Astrodienst Ephemeris Tables

from the year 1150 for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 1150
geocentric

JANUARY 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 3	17♉23'35	18♉38	28♐34	26♉42	20♓23	7°R38	1°R25	25♐54	26♏58	27°R57	3°R54	4♈40	27♏20	0°R29	S 1
M 2	7 11 0	18°24'41	1♒10	0♉ 0	27°57	21° 6	7♍35	1♋21	25°57	26°59	27♉56	3♈41	4°37	27°27	0♉29	M 2
T 3	7 14 56	19°25'47	13°52	1°28	29°12	21°49	7°31	1°16	26° 0	27° 1	27°56	3°30	4°33	27°34	0°D29	T 3
W 4	7 18 53	20°26'51	26°45	2°56	0♒28	22°32	7°28	1°11	26° 4	27° 2	27°55	3°22	4°30	27°40	0°29	W 4
T 5	7 22 49	21°27'54	9♓48	4°24	1°43	23°15	7°25	1° 7	26° 7	27° 4	27°54	3°17	4°27	27°47	0°29	T 5
F 6	7 26 46	22°28'57	23° 4	5°54	2°58	23°58	7°21	1° 3	26°10	27° 5	27°54	3°15	4°24	27°54	0°29	F 6
S 7	7 30 42	23°29'58	6♈32	7°24	4°13	24°41	7°17	0°58	26°14	27° 7	27°53	3°D14	4°21	28° 0	0°30	S 7
S 8	7 34 39	24°30'58	20°14	8°54	5°29	25°24	7°13	0°54	26°17	27° 8	27°52	3°R15	4°18	28° 7	0°30	S 8
M 9	7 38 36	25°31'56	4♉11	10°26	6°44	26° 7	7° 9	0°50	26°20	27°10	27°52	3°15	4°14	28°14	0°30	M 9
T 10	7 42 32	26°32'54	18°24	11°58	7°59	26°49	7° 4	0°45	26°24	27°11	27°51	3°13	4°11	28°21	0°31	T 10
W11	7 46 29	27°33'50	2♊50	13°31	9°14	27°32	7° 0	0°41	26°27	27°12	27°51	3° 8	4° 8	28°27	0°31	W11
T 12	7 50 25	28°34'45	17°27	15° 4	10°29	28°15	6°55	0°37	26°30	27°14	27°50	3° 1	4° 5	28°34	0°32	T 12
F 13	7 54 22	29°35'38	2♋ 9	16°39	11°45	28°58	6°50	0°33	26°33	27°15	27°50	2°52	4° 2	28°41	0°32	F 13
S 14	7 58 18	0♒36'31	16°48	18°14	13° 0	29°41	6°45	0°29	26°36	27°16	27°49	2°42	3°58	28°47	0°33	S 14
S 15	8 2 15	1°37'22	1♌17	19°49	14°15	0♈23	6°40	0°25	26°40	27°18	27°49	2°32	3°55	28°54	0°34	S 15
M16	8 6 12	2°38'11	15°29	21°26	15°30	1° 6	6°35	0°21	26°43	27°19	27°49	2°23	3°52	29° 1	0°34	M16
T 17	8 10 8	3°39'00	29°19	23° 3	16°45	1°49	6°29	0°18	26°46	27°20	27°48	2°16	3°49	29° 7	0°35	T 17
W18	8 14 5	4°39'47	12♍43	24°41	18° 0	2°31	6°24	0°14	26°49	27°21	27°48	2°12	3°46	29°14	0°36	W18
T 19	8 18 1	5°40'34	25°43	26°19	19°15	3°14	6°18	0°10	26°52	27°22	27°47	2°10	3°43	29°21	0°37	T 19
F 20	8 21 58	6°41'19	8♎20	27°59	20°30	3°56	6°12	0° 7	26°55	27°23	27°47	2°D10	3°39	29°28	0°38	F 20
S 21	8 25 54	7°42'03	20°38	29°39	21°45	4°39	6° 6	0° 4	26°58	27°24	27°47	2°11	3°36	29°34	0°39	S 21
S 22	8 29 51	8°42'46	2♏41	1♒20	23° 0	5°22	6° 0	0° 0	27° 1	27°25	27°47	2°12	3°33	29°41	0°40	S 22
M23	8 33 47	9°43'28	14°35	3° 2	24°15	6° 4	5°53	29♊57	27° 3	27°26	27°46	2°R12	3°30	29°48	0°41	M23
T 24	8 37 44	10°44'08	26°25	4°44	25°30	6°46	5°47	29°54	27° 6	27°27	27°46	2°10	3°27	29°54	0°43	T 24
W25	8 41 41	11°44'48	8♐16	6°28	26°45	7°29	5°40	29°51	27° 9	27°28	27°46	2° 7	3°24	0♐ 1	0°44	W25
T 26	8 45 37	12°45'27	20°13	8°12	28° 0	8°11	5°34	29°48	27°12	27°29	27°46	2° 1	3°20	0° 8	0°45	T 26
F 27	8 49 34	13°46'04	2♉20	9°57	29°14	8°54	5°27	29°45	27°15	27°30	27°45	1°53	3°17	0°14	0°47	F 27
S 28	8 53 30	14°46'39	14°38	11°44	0♓29	9°36	5°20	29°42	27°17	27°31	27°45	1°44	3°14	0°21	0°48	S 28
S 29	8 57 27	15°47'14	27°11	13°31	1°44	10°19	5°13	29°40	27°20	27°32	27°45	1°35	3°11	0°28	0°50	S 29
M30	9 1 23	16°47'47	9♒59	15°18	2°59	11° 1	5° 6	29°37	27°23	27°32	27°45	1°27	3° 8	0°35	0°51	M30
T 31	9 5 20	17♒48'18	23♒ 0	17♒ 7	4♓14	11♈43	4♍59	29♊35	27♐25	27♏33	27♉45	1♈20	3♈ 4	0♐41	0♉53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	22s25	27s 2	4s50	23s50	0s18	22s10	1s16	4s15	0s27	9n58	1n18	22n55	0s38	23s41	0s12	17s57	1n40	8n40	11s24	1n34	1n52	23s38	11n15	0s29
M 2	22 17	24 20	4 27	23 58	0 25	21 56	1 18	3 57	0 26	9 59	1 19	22 55	0 38	23 41	0 12	17 57	1 40	8 41	11 24	1 28	1 50	23 41	11 15	0 29
T 3	22 8	20 24	3 50	24 5	0 32	21 42	1 19	3 39	0 25	10 0	1 19	22 55	0 38	23 41	0 12	17 58	1 40	8 41	11 23	1 24	1 49	23 43	11 15	0 29
W 4	21 59	15 29	3 0	24 10	0 39	21 27	1 20	3 21	0 24	10 2	1 19	22 55	0 38	23 41	0 12	17 58	1 40	8 41	11 23	1 21	1 48	23 45	11 15	0 29
T 5	21 50	9 47	2 1	24 14	0 46	21 11	1 21	3 3	0 23	10 4	1 19	22 55	0 38	23 41	0 12	17 58	1 40	8 41	11 23	1 19	1 47	23 47	11 15	0 29
F 6	21 40	3 35	0 54	24 17	0 52	20 55	1 22	2 45	0 22	10 5	1 20	22 55	0 37	23 41	0 12	17 59	1 40	8 41	11 23	1 18	1 45	23 49	11 15	0 29
S 7	21 30	2n52	0n17	24 19	0 59	20 38	1 23	2 27	0 21	10 7	1 20	22 56	0 37	23 42	0 12	17 59	1 40	8 41	11 23	1 18	1 44	23 51	11 15	0 29
S 8	21 19	9 19	1 29	24 20	1 5	20 21	1 24	2 9	0 20	10 9	1 20	22 56	0 37	23 42	0 12	17 59	1 40	8 41	11 22	1 18	1 43	23 53	11 15	0 29
M 9	21 8	15 26	2 37	24 19	1 10	20 3	1 25	1 50	0 19	10 10	1 21	22 56	0 37	23 42	0 12	17 59	1 40	8 41	11 22	1 18	1 42	23 55	11 15	0 29
T 10	20 57	20 50	3 36	24 16	1 16	19 44	1 26	1 32	0 18	10 12	1 21	22 56	0 37	23 42	0 12	18 0	1 40	8 41	11 22	1 17	1 40	23 57	11 15	0 29
W11	20 45	25 6	4 22	24 13	1 21	19 25	1 26	1 14	0 17	10 14	1 21	22 56	0 37	23 42	0 12	18 0	1 40	8 42	11 22	1 15	1 39	23 59	11 15	0 29
T 12	20 33	27 48	4 52	24 8	1 26	19 5	1 27	0 56	0 16	10 16	1 21	22 56	0 37	23 42	0 12	18 0	1 40	8 42	11 21	1 12	1 38	24 1	11 15	0 29
F 13	20 20	28 35	5 3	24 1	1 31	18 45	1 27	0 38	0 15	10 18	1 22	22 57	0 36	23 42	0 12	18 0	1 40	8 42	11 21	1 9	1 36	24 3	11 15	0 29
S 14	20 7	27 21	4 54	23 53	1 36	18 24	1 28	0 20	0 14	10 20	1 22	22 57	0 36	23 42	0 12	18 1	1 41	8 42	11 21	1 5	1 35	24 5	11 16	0 29
S 15	19 54	24 17	4 26	23 44	1 40	18 3	1 28	0 3	0 13	10 22	1 22	22 57	0 36	23 42	0 12	18 1	1 41	8 42	11 21	1 1	1 34	24 7	11 16	0 29
M16	19 40	19 48	3 42	23 33	1 44	17 41	1 29	0n15	0 12	10 25	1 22	22 57	0 36	23 42	0 12	18 1	1 41	8 42	11 20	0 57	1 33	24 9	11 16	0 29
T 17	19 26	14 21	2 46	23 20	1 47	17 18	1 29	0 33	0 11	10 27	1 22	22 57	0 36	23 42	0 12	18 1	1 41	8 42	11 20	0 54	1 31	24 11	11 16	0 30
W18	19 11	8 23	1 42	23 6	1 51	16 56	1 29	0 51	0 10	10 29	1 23	22 57	0 36	23 43	0 12	18 2	1 41	8 43	11 20	0 53	1 30	24 13	11 16	0 30
T 19	18 56	2 14	0 34	22 51	1 54	16 32	1 30	1 9	0 9	10 32	1 23	22 58	0 36	23 43	0 12	18 2	1 41	8 43	11 20	0 52	1 29	24 15	11 17	0 30
F 20	18 41	3s49	0s33	22 34	1 56	16 9	1 30	1 27	0 8	10 34	1 23	22 58	0 35	23 43	0 12	18 2	1 41	8 43	11 19	0 52	1 28	24 17	11 17	0 30
S 21	18 26	9 36	1 37	22 15	1 59	15 44	1 30	1 45	0 7	10 36	1 23	22 58	0 35	23 43	0 12	18 2	1 41	8 43	11 19	0 52	1 26	24 19	11 17	0 30
S 22	18 10	14 54	2 36	21 55	2 1	15 20	1 30	2 3	0 6	10 39	1 24	22 58	0 35	23 43	0 12	18 2	1 41	8 43	11 19	0 53	1 25	24 21	11 18	0 30
M23	17 54	19 35	3 28	21 33	2 2	14 55	1 30	2 20	0 5	10 41	1 24	22 58	0 35	23 43	0 12	18 3	1 41	8 44	11 18	0 53	1 24	24 23	11 18	0 30
T 24	17 37	23 29	4 10	21 10	2 3	14 29	1 30	2 38	0 4	10 44	1 24	22 58	0 35	23 43	0 12	18 3	1 41	8 44	11 18	0 52	1 23	24 25	11 19	0 30
W25	17 21	26 25	4 41	20 45	2 4	14 3	1 29	2 56	0 4	10 47	1 24	22 58	0 35	23 43	0 12	18 3	1 41	8 44	11 18	0 51	1 21	24 27	11 19	0 30
T 26	17 4	28 11	5 1	20 18	2 4	13 37	1 29	3 13	0 3	10 49	1 24	22 59	0 35	23 43	0 12	18 3	1 41	8 44	11 18	0 48	1 20	24 29	11 19	0 30
F 27	16 46	28 39	5 7	19 50	2 4	13 11	1 29	3 31	0 2	10 52	1 25	22 59	0 34	23 43	0 12	18 3	1 41	8 44	11 17	0 45	1 19	24 31	11 20	0 30
S 28	16 29	27 42	4 59	19 20	2 4	12 44	1 28	3 48	0 1	10 55	1 25	22 59	0 34	23 43	0 12	18 3	1 41	8 45	11 17	0 42	1 17	24 33	11 20	0 30
S 29	16 11	25 21	4 37	18 48	2 3	12 16	1 28	4 6	0 0	10 57	1 25	22 59	0 34	23 43	0 12	18 3	1 41	8 45	11 17	0 38	1 16	24 35	11 21	0 30
M30	15 53	21 42	4 1	18 15	2 1	11 49	1 27	4 23	0n 1	11 0	1 25	22 59	0 34	23 44	0 12	18 4	1 41	8 45	11 17	0 35	1 15	24 37	11 21	0 30
T 31	15s34	16s55	3s12	17s40	1s59	11s21	1s27	4n41	0n 2	11n 3	1n25	22n59	0s34	23s44	0s12	18s 4	1n41	8n45	11s16	0n32	1n14	24s38	11n22	0s30

Julian Day Number = 2141095.5, Delta T = 15m18s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'22, Lahiri = 12°00'22 Julian Calendar 1 Jan. 1150 == Greg. Calendar 8 Jan. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

FEBRUARY 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 9 16	18♒48'47	6♓16	18♒57	5♓28	12♈25	4°R52	29°R32	27♐28	27♏34	27°R45	1°R15	3♈ 1	0♐48	0♉55	W 1
T 2	9 13 13	19°49'15	19°43	20°47	6°43	13° 8	4♍44	29♊30	27°31	27°34	27♉45	1♈13	2°58	0°55	0°56	T 2
F 3	9 17 10	20°49'41	3♈21	22°39	7°58	13°50	4°37	29°28	27°33	27°35	27°45	1°D12	2°55	1° 1	0°58	F 3
S 4	9 21 6	21°50'05	17° 8	24°31	9°13	14°32	4°30	29°26	27°36	27°36	27°D45	1°13	2°52	1° 8	1° 0	S 4
S 5	9 25 3	22°50'27	1♉ 3	26°23	10°27	15°14	4°22	29°24	27°38	27°36	27°45	1°15	2°49	1°15	1° 2	S 5
M 6	9 28 59	23°50'47	15° 5	28°17	11°42	15°56	4°14	29°22	27°40	27°37	27°45	1°16	2°45	1°21	1° 4	M 6
T 7	9 32 56	24°51'05	29°13	0♓10	12°56	16°38	4° 7	29°20	27°43	27°37	27°45	1°R16	2°42	1°28	1° 6	T 7
W 8	9 36 52	25°51'21	13♊26	2° 5	14°11	17°20	3°59	29°18	27°45	27°38	27°45	1°15	2°39	1°35	1° 8	W 8
T 9	9 40 49	26°51'34	27°41	3°59	15°26	18° 2	3°51	29°17	27°47	27°38	27°45	1°12	2°36	1°42	1°10	T 9
F 10	9 44 45	27°51'46	11♋55	5°54	16°40	18°44	3°44	29°15	27°50	27°39	27°45	1° 8	2°33	1°48	1°12	F 10
S 11	9 48 42	28°51'56	26° 5	7°48	17°55	19°26	3°36	29°14	27°52	27°39	27°45	1° 3	2°30	1°55	1°15	S 11
S 12	9 52 39	29°52'04	10♌ 5	9°43	19° 9	20° 8	3°28	29°13	27°54	27°39	27°45	0°57	2°26	2° 2	1°17	S 12
M13	9 56 35	0♓52'09	23°52	11°36	20°23	20°50	3°20	29°12	27°56	27°40	27°46	0°53	2°23	2° 8	1°19	M13
T 14	10 0 32	1°52'13	7♍23	13°29	21°38	21°32	3°13	29°11	27°58	27°40	27°46	0°50	2°20	2°15	1°22	T 14
W15	10 4 28	2°52'14	20°35	15°20	22°52	22°14	3° 5	29°10	28° 0	27°40	27°46	0°48	2°17	2°22	1°24	W15
T 16	10 8 25	3°52'14	3♎28	17°10	24° 6	22°56	2°57	29° 9	28° 2	27°40	27°46	0°D48	2°14	2°29	1°27	T 16
F 17	10 12 21	4°52'12	16° 3	18°57	25°21	23°37	2°49	29° 8	28° 4	27°40	27°47	0°48	2°10	2°35	1°29	F 17
S 18	10 16 18	5°52'08	28°21	20°43	26°35	24°19	2°41	29° 8	28° 6	27°41	27°47	0°50	2° 7	2°42	1°32	S 18
S 19	10 20 14	6°52'03	10♏26	22°25	27°49	25° 1	2°33	29° 7	28° 8	27°41	27°47	0°52	2° 4	2°49	1°34	S 19
M20	10 24 11	7°51'56	22°22	24° 3	29° 3	25°42	2°26	29° 7	28°10	27°41	27°48	0°53	2° 1	2°55	1°37	M20
T 21	10 28 8	8°51'47	4♐15	25°38	0♈17	26°24	2°18	29° 7	28°11	27°R41	27°48	0°R54	1°58	3° 2	1°40	T 21
W22	10 32 4	9°51'37	16° 7	27° 7	1°31	27° 5	2°10	29°D 7	28°13	27°41	27°48	0°54	1°55	3° 9	1°42	W22
T 23	10 36 1	10°51'24	28° 5	28°32	2°46	27°47	2° 2	29° 7	28°15	27°41	27°49	0°53	1°51	3°15	1°45	T 23
F 24	10 39 57	11°51'10	10♑13	29°51	4° 0	28°29	1°55	29° 7	28°16	27°41	27°49	0°51	1°48	3°22	1°48	F 24
S 25	10 43 54	12°50'55	22°35	1♈ 5	5°14	29°10	1°47	29° 7	28°18	27°41	27°50	0°49	1°45	3°29	1°51	S 25
S 26	10 47 50	13°50'37	5♒14	2°11	6°27	29°51	1°40	29° 8	28°19	27°40	27°50	0°46	1°42	3°36	1°54	S 26
M27	10 51 47	14°50'17	18°12	3°11	7°41	0♉33	1°32	29° 8	28°21	27°40	27°51	0°44	1°39	3°42	1°57	M27
T 28	10 55 43	15♓49'56	1♓29	4♈ 4	8♈55	1♉14	1♍25	29♊ 9	28♐22	27♏40	27♉51	0♈42	1♈35	3♐49	2♉ 0	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s15	11s17	2s11	17s 4	1s57	10s53	1s26	4n58	0n 2	11n 6	1n25	22n59	0s34	23s44	0s12	18s 4	1n41	8n46	11s16	0n30	1n12	24s40	11n22	0s30
T 2	14 56	5 2	1 2	16 26	1 54	10 24	1 25	5 15	0 3	11 9	1 26	23 0	0 33	23 44	0 12	18 4	1 41	8 46	11 16	0 29	1 11	24 42	11 23	0 30
F 3	14 37	1n31	0n12	15 46	1 50	9 56	1 25	5 33	0 4	11 11	1 26	23 0	0 33	23 44	0 12	18 4	1 42	8 46	11 15	0 29	1 10	24 44	11 24	0 30
S 4	14 18	8 4	1 25	15 5	1 46	9 27	1 24	5 50	0 5	11 14	1 26	23 0	0 33	23 44	0 12	18 4	1 42	8 46	11 15	0 29	1 9	24 46	11 24	0 30
S 5	13 58	14 19	2 35	14 22	1 41	8 57	1 23	6 7	0 6	11 17	1 26	23 0	0 33	23 44	0 12	18 4	1 42	8 47	11 15	0 30	1 7	24 48	11 25	0 30
M 6	13 38	19 52	3 36	13 38	1 36	8 28	1 22	6 24	0 7	11 20	1 26	23 0	0 33	23 44	0 12	18 4	1 42	8 47	11 15	0 30	1 6	24 50	11 25	0 31
T 7	13 18	24 22	4 24	12 52	1 30	7 58	1 21	6 41	0 7	11 23	1 26	23 0	0 33	23 44	0 12	18 4	1 42	8 47	11 14	0 30	1 5	24 52	11 26	0 31
W 8	12 58	27 25	4 56	12 5	1 24	7 28	1 19	6 58	0 8	11 26	1 26	23 0	0 33	23 44	0 12	18 4	1 42	8 48	11 14	0 30	1 4	24 53	11 27	0 31
T 9	12 37	28 43	5 11	11 17	1 16	6 58	1 18	7 15	0 9	11 29	1 26	23 1	0 32	23 44	0 12	18 4	1 42	8 48	11 14	0 29	1 2	24 55	11 27	0 31
F 10	12 16	28 5	5 6	10 27	1 9	6 28	1 17	7 32	0 10	11 32	1 27	23 1	0 32	23 44	0 12	18 4	1 42	8 48	11 13	0 27	1 1	24 57	11 28	0 31
S 11	11 55	25 39	4 42	9 37	1 0	5 58	1 16	7 48	0 11	11 35	1 27	23 1	0 32	23 44	0 12	18 4	1 42	8 49	11 13	0 25	1 0	24 59	11 29	0 31
S 12	11 34	21 41	4 2	8 45	0 51	5 27	1 14	8 5	0 11	11 38	1 27	23 1	0 32	23 44	0 12	18 4	1 42	8 49	11 13	0 23	0 58	25 1	11 30	0 31
M13	11 13	16 35	3 8	7 53	0 42	4 56	1 13	8 21	0 12	11 41	1 27	23 1	0 32	23 44	0 12	18 4	1 42	8 49	11 13	0 21	0 57	25 3	11 30	0 31
T 14	10 52	10 46	2 5	7 0	0 31	4 26	1 11	8 38	0 13	11 43	1 27	23 1	0 32	23 44	0 12	18 4	1 42	8 49	11 12	0 20	0 56	25 4	11 31	0 31
W15	10 30	4 36	0 56	6 7	0 21	3 55	1 10	8 54	0 14	11 46	1 27	23 2	0 31	23 44	0 12	18 4	1 42	8 50	11 12	0 19	0 55	25 6	11 32	0 31
T 16	10 8	1s37	0s15	5 14	0 9	3 24	1 8	9 11	0 14	11 49	1 27	23 2	0 31	23 45	0 12	18 4	1 42	8 50	11 12	0 19	0 53	25 8	11 33	0 31
F 17	9 46	7 37	1 23	4 21	0n 3	2 52	1 6	9 27	0 15	11 52	1 27	23 2	0 31	23 45	0 12	18 4	1 42	8 50	11 12	0 19	0 52	25 10	11 34	0 31
S 18	9 24	13 12	2 26	3 28	0 15	2 21	1 5	9 43	0 16	11 55	1 27	23 2	0 31	23 45	0 12	18 4	1 42	8 51	11 11	0 20	0 51	25 12	11 34	0 31
S 19	9 2	18 12	3 21	2 36	0 28	1 50	1 3	9 59	0 16	11 58	1 27	23 2	0 31	23 45	0 12	18 4	1 42	8 51	11 11	0 21	0 50	25 13	11 35	0 31
M20	8 40	22 25	4 7	1 45	0 41	1 19	1 1	10 15	0 17	12 1	1 27	23 2	0 31	23 45	0 12	18 4	1 42	8 51	11 11	0 21	0 48	25 15	11 36	0 31
T 21	8 17	25 42	4 42	0 55	0 54	0 47	0 59	10 31	0 18	12 4	1 27	23 2	0 30	23 45	0 12	18 4	1 42	8 52	11 10	0 22	0 47	25 17	11 37	0 31
W22	7 54	27 52	5 5	0 7	1 7	0 16	0 57	10 46	0 19	12 7	1 27	23 3	0 30	23 45	0 12	18 4	1 43	8 52	11 10	0 22	0 46	25 19	11 38	0 31
T 23	7 32	28 47	5 15	0n39	1 21	0n16	0 55	11 2	0 19	12 9	1 27	23 3	0 30	23 45	0 12	18 4	1 43	8 52	11 10	0 21	0 44	25 20	11 39	0 31
F 24	7 9	28 19	5 11	1 23	1 34	0 47	0 53	11 18	0 20	12 12	1 27	23 3	0 30	23 45	0 12	18 4	1 43	8 53	11 10	0 20	0 43	25 22	11 40	0 31
S 25	6 46	26 27	4 53	2 4	1 48	1 18	0 51	11 33	0 21	12 15	1 27	23 3	0 30	23 45	0 12	18 4	1 43	8 53	11 9	0 19	0 42	25 24	11 41	0 32
S 26	6 23	23 15	4 20	2 43	2 0	1 50	0 49	11 48	0 21	12 18	1 27	23 3	0 30	23 45	0 12	18 4	1 43	8 54	11 9	0 18	0 41	25 26	11 42	0 32
M27	6 0	18 50	3 33	3 18	2 13	2 21	0 47	12 4	0 22	12 20	1 27	23 3	0 30	23 45	0 12	18 4	1 43	8 54	11 9	0 17	0 39	25 27	11 43	0 32
T 28	5s37	13s24	2s34	3n50	2n25	2n52	0s44	12n19	0n23	12n23	1n27	23n 4	0s29	23s45	0s12	18s 4	1n43	8n54	11s 9	0n17	0n38	25s29	11n44	0s32

Julian Day Number = 2141126.5, Delta T = 15m18s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'26, Lahiri = 12°00'27 Julian Calendar 1 Feb. 1150 == Greg. Calendar 8 Feb. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

MARCH 1150 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 59 40	16♓49'32	15♓ 5	4♈49	10♈ 9	1♉56	1°R17	29♊ 9	28♐24	27°R40	27♉52	0°R40	1♈32	3♐56	2♉ 3	W 1
T 2	11 3 36	17°49'07	28°57	5°27	11°23	2°37	1♍10	29°10	28°25	27♏40	27°52	0°D40	1°29	4° 2	2° 6	T 2
F 3	11 7 33	18°48'39	13♈ 2	5°57	12°37	3°18	1° 3	29°11	28°26	27°39	27°53	0♈40	1°26	4° 9	2° 9	F 3
S 4	11 11 30	19°48'09	27°17	6°19	13°50	3°59	0°56	29°12	28°27	27°39	27°53	0°41	1°23	4°16	2°12	S 4
S 5	11 15 26	20°47'37	11♉36	6°33	15° 4	4°41	0°49	29°13	28°29	27°38	27°54	0°42	1°20	4°22	2°15	S 5
M 6	11 19 23	21°47'03	25°57	6°R39	16°18	5°22	0°42	29°14	28°30	27°38	27°55	0°43	1°16	4°29	2°18	M 6
T 7	11 23 19	22°46'26	10♊15	6°37	17°31	6° 3	0°35	29°16	28°31	27°38	27°55	0°43	1°13	4°36	2°22	T 7
W 8	11 27 16	23°45'47	24°27	6°28	18°45	6°44	0°28	29°17	28°32	27°37	27°56	0°R43	1°10	4°43	2°25	W 8
T 9	11 31 12	24°45'05	8♋32	6°12	19°58	7°25	0°22	29°19	28°33	27°37	27°57	0°43	1° 7	4°49	2°28	T 9
F 10	11 35 9	25°44'22	22°28	5°49	21°12	8° 6	0°15	29°20	28°34	27°36	27°57	0°43	1° 4	4°56	2°32	F 10
S 11	11 39 5	26°43'35	6♌12	5°20	22°25	8°47	0° 9	29°22	28°34	27°36	27°58	0°42	1° 1	5° 3	2°35	S 11
S 12	11 43 2	27°42'47	19°45	4°46	23°39	9°28	0° 2	29°24	28°35	27°35	27°59	0°42	0°57	5° 9	2°38	S 12
M13	11 46 59	28°41'56	3♍ 4	4° 7	24°52	10° 9	29♌56	29°26	28°36	27°34	28° 0	0°41	0°54	5°16	2°42	M13
T 14	11 50 55	29°41'03	16°10	3°24	26° 5	10°50	29°50	29°28	28°37	27°34	28° 0	0°41	0°51	5°23	2°45	T 14
W15	11 54 52	0♈40'07	29° 2	2°39	27°18	11°31	29°44	29°30	28°37	27°33	28° 1	0°41	0°48	5°30	2°49	W15
T 16	11 58 48	1°39'10	11♎40	1°52	28°31	12°12	29°39	29°33	28°38	27°32	28° 2	0°41	0°45	5°36	2°52	T 16
F 17	12 2 45	2°38'10	24° 5	1° 3	29°45	12°53	29°33	29°35	28°39	27°32	28° 3	0°41	0°41	5°43	2°56	F 17
S 18	12 6 41	3°37'09	6♏18	0°15	0♉58	13°33	29°28	29°38	28°39	27°31	28° 4	0°41	0°38	5°50	2°59	S 18
S 19	12 10 38	4°36'06	18°21	29♓28	2°11	14°14	29°22	29°40	28°40	27°30	28° 4	0°40	0°35	5°56	3° 3	S 19
M20	12 14 34	5°35'00	0♐17	28°42	3°24	14°55	29°17	29°43	28°40	27°29	28° 5	0°40	0°32	6° 3	3° 7	M20
T 21	12 18 31	6°33'53	12°10	27°59	4°36	15°35	29°12	29°46	28°40	27°28	28° 6	0°39	0°29	6°10	3°10	T 21
W22	12 22 28	7°32'45	24° 3	27°20	5°49	16°16	29° 7	29°49	28°41	27°28	28° 7	0°39	0°26	6°17	3°14	W22
T 23	12 26 24	8°31'34	6♑ 0	26°44	7° 2	16°57	29° 2	29°52	28°41	27°27	28° 8	0°D39	0°22	6°23	3°18	T 23
F 24	12 30 21	9°30'22	18° 7	26°12	8°15	17°37	28°58	29°55	28°41	27°26	28° 9	0°39	0°19	6°30	3°21	F 24
S 25	12 34 17	10°29'08	0♒28	25°45	9°28	18°18	28°53	29°58	28°41	27°25	28°10	0°39	0°16	6°37	3°25	S 25
S 26	12 38 14	11°27'52	13° 6	25°23	10°40	18°58	28°49	0♋ 1	28°41	27°24	28°11	0°40	0°13	6°43	3°29	S 26
M27	12 42 10	12°26'35	26° 6	25° 6	11°53	19°39	28°45	0° 5	28°R41	27°23	28°12	0°41	0°10	6°50	3°33	M27
T 28	12 46 7	13°25'15	9♓29	24°54	13° 5	20°19	28°41	0° 8	28°41	27°22	28°13	0°42	0° 7	6°57	3°37	T 28
W29	12 50 3	14°23'54	23°16	24°48	14°18	21° 0	28°37	0°12	28°41	27°21	28°14	0°43	0° 3	7° 4	3°40	W29
T 30	12 54 0	15°22'31	7♈26	24°D47	15°30	21°40	28°34	0°16	28°41	27°20	28°15	0°R43	0° 0	7°10	3°44	T 30
F 31	12 57 57	16♈21'06	21♈55	24♓50	16♉43	22♉20	28♌30	0♋19	28♐41	27♏19	28♉16	0♈42	29♓57	7♐17	3♉48	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s14	7s13	1s25	4n19	2n36	3n24	0s42	12n34	0n23	12n26	1n27	23n 4	0s29	23s45	0s13	18s 4	1n43	8n55	11s 8	0n16	0n37	25s31	11n45	0s32
T 2	4 50	0 34	0 10	4 44	2 47	3 55	0 40	12 49	0 24	12 28	1 27	23 4	0 29	23 45	0 13	18 4	1 43	8 55	11 8	0 16	0 36	25 32	11 46	0 32
F 3	4 27	6n13	1n 8	5 4	2 57	4 26	0 37	13 4	0 25	12 31	1 27	23 4	0 29	23 45	0 13	18 3	1 43	8 55	11 8	0 16	0 34	25 34	11 47	0 32
S 4	4 3	12 46	2 22	5 21	3 5	4 57	0 35	13 18	0 25	12 33	1 27	23 4	0 29	23 45	0 13	18 3	1 43	8 56	11 8	0 16	0 33	25 36	11 48	0 32
S 5	3 40	18 41	3 28	5 33	3 13	5 28	0 32	13 33	0 26	12 36	1 27	23 4	0 29	23 45	0 13	18 3	1 43	8 56	11 7	0 17	0 32	25 37	11 49	0 32
M 6	3 16	23 33	4 20	5 41	3 19	5 59	0 30	13 47	0 26	12 38	1 27	23 5	0 28	23 45	0 13	18 3	1 43	8 57	11 7	0 17	0 31	25 39	11 50	0 32
T 7	2 53	26 59	4 57	5 45	3 24	6 29	0 27	14 2	0 27	12 41	1 27	23 5	0 28	23 45	0 13	18 3	1 43	8 57	11 7	0 17	0 29	25 41	11 51	0 32
W 8	2 29	28 41	5 15	5 45	3 27	7 0	0 25	14 16	0 28	12 43	1 27	23 5	0 28	23 45	0 13	18 3	1 43	8 57	11 6	0 17	0 28	25 42	11 52	0 32
T 9	2 6	28 30	5 14	5 40	3 29	7 30	0 22	14 30	0 28	12 45	1 27	23 5	0 28	23 45	0 13	18 3	1 43	8 58	11 6	0 17	0 27	25 44	11 53	0 32
F 10	1 42	26 30	4 54	5 31	3 29	8 0	0 19	14 44	0 29	12 47	1 27	23 5	0 28	23 45	0 13	18 2	1 43	8 58	11 6	0 17	0 25	25 46	11 54	0 32
S 11	1 18	22 58	4 18	5 18	3 27	8 30	0 17	14 58	0 30	12 50	1 27	23 5	0 28	23 45	0 13	18 2	1 43	8 58	11 6	0 17	0 24	25 47	11 55	0 32
S 12	0 55	18 15	3 28	5 1	3 24	9 0	0 14	15 11	0 30	12 52	1 27	23 5	0 28	23 45	0 13	18 2	1 43	8 59	11 6	0 17	0 23	25 49	11 56	0 32
M13	0 31	12 43	2 27	4 41	3 19	9 30	0 11	15 25	0 31	12 54	1 27	23 6	0 27	23 45	0 13	18 2	1 43	8 59	11 5	0 17	0 22	25 51	11 57	0 32
T 14	0 8	6 42	1 20	4 18	3 12	9 59	0 8	15 38	0 31	12 56	1 27	23 6	0 27	23 45	0 13	18 2	1 44	9 0	11 5	0 17	0 20	25 52	11 59	0 32
W15	0n16	0 32	0 9	3 52	3 4	10 28	0 6	15 52	0 32	12 58	1 27	23 6	0 27	23 45	0 13	18 1	1 44	9 0	11 5	0 17	0 19	25 54	12 0	0 33
T 16	0 40	5s34	1s 1	3 24	2 54	10 57	0 3	16 5	0 32	13 0	1 26	23 6	0 27	23 46	0 13	18 1	1 44	9 0	11 5	0 17	0 18	25 55	12 1	0 33
F 17	1 3	11 20	2 6	2 54	2 42	11 26	0 0	16 18	0 33	13 2	1 26	23 6	0 27	23 46	0 13	18 1	1 44	9 1	11 4	0 16	0 17	25 57	12 2	0 33
S 18	1 27	16 35	3 5	2 23	2 30	11 54	0n 3	16 31	0 34	13 4	1 26	23 6	0 27	23 46	0 13	18 1	1 44	9 1	11 4	0 16	0 15	25 59	12 3	0 33
S 19	1 50	21 7	3 55	1 52	2 16	12 23	0 6	16 44	0 34	13 5	1 26	23 7	0 27	23 46	0 13	18 1	1 44	9 2	11 4	0 16	0 14	26 0	12 4	0 33
M20	2 14	24 46	4 33	1 20	2 2	12 50	0 9	16 56	0 35	13 7	1 26	23 7	0 26	23 46	0 13	18 0	1 44	9 2	11 4	0 16	0 13	26 2	12 6	0 33
T 21	2 37	27 19	5 0	0 49	1 46	13 18	0 12	17 9	0 35	13 9	1 26	23 7	0 26	23 46	0 13	18 0	1 44	9 2	11 3	0 16	0 11	26 3	12 7	0 33
W22	3 0	28 39	5 15	0 19	1 31	13 45	0 14	17 21	0 36	13 10	1 26	23 7	0 26	23 46	0 13	18 0	1 44	9 3	11 3	0 15	0 10	26 5	12 8	0 33
T 23	3 24	28 40	5 15	0s10	1 14	14 12	0 17	17 33	0 36	13 12	1 26	23 7	0 26	23 46	0 13	18 0	1 44	9 3	11 3	0 15	0 9	26 6	12 9	0 33
F 24	3 47	27 18	5 2	0 38	0 58	14 39	0 20	17 45	0 37	13 13	1 25	23 7	0 26	23 46	0 13	17 59	1 44	9 4	11 3	0 15	0 8	26 8	12 10	0 33
S 25	4 10	24 37	4 35	1 3	0 42	15 5	0 23	17 57	0 37	13 15	1 25	23 7	0 26	23 46	0 13	17 59	1 44	9 4	11 3	0 16	0 6	26 10	12 12	0 33
S 26	4 33	20 42	3 54	1 27	0 26	15 31	0 26	18 9	0 38	13 16	1 25	23 8	0 26	23 46	0 13	17 59	1 44	9 5	11 2	0 16	0 5	26 11	12 13	0 33
M27	4 56	15 42	3 0	1 48	0 10	15 56	0 29	18 20	0 38	13 17	1 25	23 8	0 25	23 46	0 13	17 59	1 44	9 5	11 2	0 16	0 4	26 13	12 14	0 33
T 28	5 19	9 49	1 55	2 7	0s 6	16 21	0 32	18 32	0 39	13 19	1 25	23 8	0 25	23 46	0 13	17 58	1 44	9 5	11 2	0 17	0 3	26 14	12 15	0 33
W29	5 42	3 19	0 41	2 24	0 21	16 46	0 35	18 43	0 39	13 20	1 25	23 8	0 25	23 46	0 13	17 58	1 44	9 6	11 2	0 17	0 1	26 16	12 17	0 33
T 30	6 5	3n32	0n37	2 37	0 35	17 10	0 38	18 54	0 40	13 21	1 25	23 8	0 25	23 46	0 13	17 58	1 44	9 6	11 2	0 17	0 0	26 17	12 18	0 34
F 31	6n28	10n21	1n54	2s49	0s49	17n34	0n41	19n 5	0n40	13n22	1n24	23n 8	0s25	23s46	0s13	17s58	1n44	9n 7	11s 1	0n17	0s 1	26s19	12n19	0s34

Julian Day Number = 2141154.5, Delta T = 15m18s
Ecliptic obliquity = 23°33'08, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'30, Lahiri = 12°00'30 Julian Calendar 1 March 1150 == Greg. Calendar 8 March 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

APRIL 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 53	17♈19'39	6♉37	24♓59	17♉55	23♉ 1	28°R27	0♋23	28°R41	27°R17	28♉17	0°R40	29♓54	7♐24	3♉52	S 1
S 2	13 5 50	18°18'10	21°24	25°13	19° 7	23°41	28♌24	0°27	28♐41	27♏16	28°18	0♈38	29°51	7°30	3°56	S 2
M 3	13 9 46	19°16'39	6♊10	25°31	20°19	24°21	28°21	0°31	28°40	27°15	28°19	0°36	29°47	7°37	4° 0	M 3
T 4	13 13 43	20°15'05	20°48	25°54	21°32	25° 1	28°19	0°35	28°40	27°14	28°20	0°34	29°44	7°44	4° 4	T 4
W 5	13 17 39	21°13'30	5♋12	26°22	22°44	25°42	28°16	0°40	28°39	27°13	28°22	0°32	29°41	7°51	4° 7	W 5
T 6	13 21 36	22°11'53	19°19	26°53	23°56	26°22	28°14	0°44	28°39	27°11	28°23	0°D31	29°38	7°57	4°11	T 6
F 7	13 25 32	23°10'13	3♌ 7	27°29	25° 8	27° 2	28°12	0°48	28°39	27°10	28°24	0°32	29°35	8° 4	4°15	F 7
S 8	13 29 29	24° 8'31	16°38	28° 8	26°19	27°42	28°10	0°53	28°38	27° 9	28°25	0°33	29°32	8°11	4°19	S 8
S 9	13 33 26	25° 6'47	29°51	28°52	27°31	28°22	28° 8	0°57	28°37	27° 8	28°26	0°34	29°28	8°17	4°23	S 9
M10	13 37 22	26° 5'01	12♍49	29°38	28°43	29° 2	28° 6	1° 2	28°37	27° 6	28°27	0°36	29°25	8°24	4°27	M10
T 11	13 41 19	27° 3'13	25°33	0♈29	29°55	29°42	28° 5	1° 7	28°36	27° 5	28°29	0°R37	29°22	8°31	4°31	T 11
W12	13 45 15	28° 1'22	8♎ 5	1°22	1♊ 6	0♊22	28° 4	1°12	28°35	27° 4	28°30	0°37	29°19	8°38	4°35	W12
T 13	13 49 12	28°59'30	20°26	2°19	2°18	1° 2	28° 3	1°16	28°34	27° 2	28°31	0°35	29°16	8°44	4°39	T 13
F 14	13 53 8	29°57'37	2♏38	3°18	3°29	1°42	28° 2	1°21	28°34	27° 1	28°32	0°32	29°12	8°51	4°43	F 14
S 15	13 57 5	0♉55'41	14°43	4°21	4°41	2°22	28° 1	1°26	28°33	26°59	28°33	0°28	29° 9	8°58	4°47	S 15
S 16	14 1 1	1°53'44	26°41	5°26	5°52	3° 2	28° 1	1°32	28°32	26°58	28°35	0°23	29° 6	9° 4	4°51	S 16
M17	14 4 58	2°51'46	8♐36	6°34	7° 3	3°41	28° 0	1°37	28°31	26°57	28°36	0°17	29° 3	9°11	4°55	M17
T 18	14 8 55	3°49'46	20°28	7°45	8°14	4°21	28°D 0	1°42	28°30	26°55	28°37	0°11	29° 0	9°18	4°59	T 18
W19	14 12 51	4°47'44	2♑21	8°58	9°25	5° 1	28° 0	1°47	28°29	26°54	28°38	0° 6	28°57	9°25	5° 3	W19
T 20	14 16 48	5°45'41	14°18	10°14	10°36	5°41	28° 0	1°53	28°28	26°52	28°40	0° 3	28°53	9°31	5° 7	T 20
F 21	14 20 44	6°43'37	26°23	11°32	11°47	6°20	28° 1	1°58	28°26	26°51	28°41	0° 1	28°50	9°38	5°11	F 21
S 22	14 24 41	7°41'31	8♒40	12°52	12°58	7° 0	28° 2	2° 4	28°25	26°49	28°42	29°D59	28°47	9°45	5°15	S 22
S 23	14 28 37	8°39'24	21°15	14°15	14° 9	7°40	28° 2	2° 9	28°24	26°48	28°44	0° 1	28°44	9°51	5°19	S 23
M24	14 32 34	9°37'16	4♓11	15°40	15°20	8°19	28° 3	2°15	28°23	26°46	28°45	0° 2	28°41	9°58	5°23	M24
T 25	14 36 30	10°35'07	17°32	17° 7	16°30	8°59	28° 4	2°21	28°21	26°45	28°46	0° 3	28°38	10° 5	5°27	T 25
W26	14 40 27	11°32'56	1♈20	18°37	17°41	9°38	28° 6	2°27	28°20	26°43	28°47	0°R 4	28°34	10°12	5°31	W26
T 27	14 44 24	12°30'44	15°35	20° 9	18°51	10°18	28° 7	2°33	28°19	26°42	28°49	0° 3	28°31	10°18	5°35	T 27
F 28	14 48 20	13°28'30	0♉15	21°43	20° 2	10°58	28° 9	2°39	28°17	26°40	28°50	29♓59	28°28	10°25	5°39	F 28
S 29	14 52 17	14°26'16	15°13	23°19	21°12	11°37	28°11	2°45	28°16	26°38	28°51	29°55	28°25	10°32	5°43	S 29
S 30	14 56 13	15♉24'00	0♊21	24♈57	22♊22	12♊16	28♌13	2♋51	28♐14	26♏37	28♉53	29♓49	28♓22	10♐38	5♉47	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n50	16n42	3n 5	2s57	1s 2	17n57	0n44	19n16	0n41	13n23	1n24	23n 8	0s25	23s46	0s13	17s57	1n44	9n 7	11s 1	0n16	0s 2	26s20	12n20	0s34
S 2	7 13	22 7	4 4	3 3	1 15	18 20	0 47	19 27	0 41	13 24	1 24	23 8	0 25	23 46	0 13	17 57	1 44	9 7	11 1	0 15	0 4	26 22	12 22	0 34
M 3	7 35	26 9	4 47	3 7	1 27	18 43	0 50	19 37	0 42	13 25	1 24	23 9	0 24	23 46	0 13	17 57	1 44	9 8	11 1	0 14	0 5	26 23	12 23	0 34
T 4	7 57	28 23	5 10	3 8	1 38	19 5	0 53	19 48	0 42	13 26	1 24	23 9	0 24	23 46	0 13	17 56	1 44	9 8	11 1	0 13	0 6	26 24	12 24	0 34
W 5	8 19	28 41	5 14	3 7	1 48	19 26	0 55	19 58	0 43	13 26	1 24	23 9	0 24	23 46	0 13	17 56	1 44	9 9	11 0	0 13	0 8	26 26	12 25	0 34
T 6	8 41	27 4	4 58	3 3	1 58	19 47	0 58	20 8	0 43	13 27	1 24	23 9	0 24	23 46	0 13	17 56	1 44	9 9	11 0	0 13	0 9	26 27	12 27	0 34
F 7	9 3	23 51	4 26	2 57	2 7	20 8	1 1	20 18	0 43	13 28	1 23	23 9	0 24	23 46	0 13	17 55	1 44	9 9	11 0	0 13	0 10	26 29	12 28	0 34
S 8	9 24	19 24	3 39	2 48	2 15	20 27	1 4	20 27	0 44	13 28	1 23	23 9	0 24	23 46	0 13	17 55	1 45	9 10	11 0	0 13	0 11	26 30	12 29	0 34
S 9	9 46	14 5	2 41	2 38	2 23	20 47	1 7	20 37	0 44	13 29	1 23	23 9	0 24	23 46	0 13	17 55	1 45	9 10	11 0	0 14	0 13	26 32	12 30	0 34
M10	10 7	8 16	1 36	2 25	2 29	21 6	1 10	20 46	0 45	13 29	1 23	23 9	0 24	23 46	0 13	17 54	1 45	9 11	11 0	0 14	0 14	26 33	12 32	0 34
T 11	10 28	2 12	0 28	2 11	2 35	21 24	1 12	20 55	0 45	13 29	1 23	23 9	0 23	23 46	0 13	17 54	1 45	9 11	10 59	0 15	0 15	26 35	12 33	0 34
W12	10 49	3s51	0s41	1 54	2 41	21 42	1 15	21 4	0 46	13 30	1 22	23 10	0 23	23 46	0 13	17 54	1 45	9 11	10 59	0 15	0 16	26 36	12 34	0 34
T 13	11 10	9 40	1 46	1 36	2 45	21 59	1 18	21 13	0 46	13 30	1 22	23 10	0 23	23 46	0 13	17 53	1 45	9 12	10 59	0 14	0 18	26 37	12 35	0 34
F 14	11 31	15 3	2 46	1 16	2 49	22 16	1 20	21 21	0 46	13 30	1 22	23 10	0 23	23 46	0 13	17 53	1 45	9 12	10 59	0 13	0 19	26 39	12 37	0 35
S 15	11 51	19 48	3 38	0 54	2 52	22 32	1 23	21 30	0 47	13 30	1 22	23 10	0 23	23 46	0 13	17 53	1 45	9 13	10 59	0 11	0 20	26 40	12 38	0 35
S 16	12 11	23 43	4 19	0 30	2 55	22 47	1 25	21 38	0 47	13 30	1 22	23 10	0 23	23 46	0 13	17 52	1 45	9 13	10 59	0 9	0 22	26 41	12 39	0 35
M17	12 31	26 36	4 49	0 5	2 57	23 2	1 28	21 46	0 48	13 30	1 22	23 10	0 23	23 46	0 13	17 52	1 45	9 13	10 58	0 7	0 23	26 43	12 41	0 35
T 18	12 51	28 18	5 7	0n22	2 58	23 16	1 31	21 54	0 48	13 30	1 21	23 10	0 22	23 46	0 13	17 52	1 45	9 14	10 58	0 4	0 24	26 44	12 42	0 35
W19	13 11	28 43	5 11	0 50	2 58	23 30	1 33	22 2	0 48	13 30	1 21	23 10	0 22	23 46	0 13	17 51	1 45	9 14	10 58	0 3	0 25	26 46	12 43	0 35
T 20	13 30	27 47	5 2	1 20	2 58	23 43	1 35	22 9	0 49	13 29	1 21	23 10	0 22	23 46	0 14	17 51	1 45	9 15	10 58	0 1	0 27	26 47	12 44	0 35
F 21	13 49	25 32	4 39	1 51	2 58	23 55	1 38	22 17	0 49	13 29	1 21	23 10	0 22	23 46	0 14	17 51	1 45	9 15	10 58	0 0	0 28	26 48	12 46	0 35
S 22	14 8	22 5	4 3	2 24	2 56	24 7	1 40	22 24	0 50	13 29	1 21	23 10	0 22	23 46	0 14	17 50	1 45	9 15	10 58	0s 0	0 29	26 50	12 47	0 35
S 23	14 27	17 34	3 15	2 58	2 54	24 18	1 42	22 31	0 50	13 28	1 20	23 10	0 22	23 46	0 14	17 50	1 45	9 16	10 58	0n 0	0 30	26 51	12 48	0 35
M24	14 46	12 8	2 16	3 33	2 52	24 28	1 44	22 38	0 50	13 28	1 20	23 10	0 22	23 46	0 14	17 50	1 45	9 16	10 58	0 1	0 32	26 52	12 49	0 35
T 25	15 4	5 59	1 8	4 10	2 49	24 38	1 47	22 44	0 51	13 27	1 20	23 10	0 22	23 46	0 14	17 49	1 45	9 17	10 58	0 1	0 33	26 53	12 51	0 35
W26	15 22	0n38	0n 7	4 47	2 45	24 47	1 49	22 51	0 51	13 26	1 20	23 10	0 22	23 46	0 14	17 49	1 45	9 17	10 57	0 2	0 34	26 55	12 52	0 35
T 27	15 40	7 26	1 23	5 26	2 41	24 55	1 51	22 57	0 51	13 26	1 20	23 10	0 21	23 46	0 14	17 48	1 45	9 17	10 57	0 1	0 35	26 56	12 53	0 36
F 28	15 57	14 2	2 36	6 5	2 36	25 3	1 53	23 3	0 52	13 25	1 19	23 10	0 21	23 46	0 14	17 48	1 45	9 18	10 57	0s 0	0 37	26 57	12 54	0 36
S 29	16 15	19 58	3 39	6 46	2 31	25 10	1 55	23 9	0 52	13 24	1 19	23 10	0 21	23 46	0 14	17 48	1 45	9 18	10 57	0 2	0 38	26 59	12 56	0 36
S 30	16n32	24n41	4n28	7n28	2s25	25n16	1n56	23n14	0n53	13n23	1n19	23n10	0s21	23s46	0s14	17s47	1n45	9n18	10s57	0s 4	0s39	27s 0	12n57	0s36

Julian Day Number = 2141185.5, Delta T = 15m17s
Ecliptic obliquity = 23°33'08, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'34, Lahiri = 12°00'35 Julian Calendar 1 Apr. 1150 == Greg. Calendar 8 Apr. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

MAY 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 0 10	16♉21'43	15♊30	26♈37	23♊32	12♊56	28♌15	2♋57	28°R12	26°R35	28♉54	29°R42	28♓18	10♐45	5♉51	M 1
T 2	15 4 6	17°19'24	0♋29	28°20	24°42	13°35	28°17	3° 3	28♐11	26♏34	28°56	29♓35	28°15	10°52	5°55	T 2
W 3	15 8 3	18°17'04	15° 9	0♉ 5	25°52	14°15	28°20	3° 9	28° 9	26°32	28°57	29°30	28°12	10°59	5°59	W 3
T 4	15 11 59	19°14'42	29°27	1°52	27° 2	14°54	28°23	3°16	28° 8	26°30	28°58	29°26	28° 9	11° 5	6° 3	T 4
F 5	15 15 56	20°12'18	13♌19	3°41	28°12	15°33	28°26	3°22	28° 6	26°29	29° 0	29°25	28° 6	11°12	6° 7	F 5
S 6	15 19 53	21° 9'53	26°47	5°32	29°22	16°13	28°29	3°28	28° 4	26°27	29° 1	29°D25	28° 3	11°19	6°11	S 6
S 7	15 23 49	22° 7'26	9♍52	7°25	0♋31	16°52	28°32	3°35	28° 2	26°26	29° 2	29°26	27°59	11°25	6°15	S 7
M 8	15 27 46	23° 4'58	22°37	9°21	1°41	17°31	28°35	3°41	28° 0	26°24	29° 4	29°26	27°56	11°32	6°19	M 8
T 9	15 31 42	24° 2'29	5♎ 7	11°18	2°50	18°11	28°39	3°48	27°59	26°22	29° 5	29°R26	27°53	11°39	6°22	T 9
W10	15 35 39	24°59'58	17°25	13°18	3°59	18°50	28°43	3°55	27°57	26°21	29° 6	29°25	27°50	11°46	6°26	W10
T 11	15 39 35	25°57'26	29°33	15°19	5° 8	19°29	28°47	4° 1	27°55	26°19	29° 8	29°21	27°47	11°52	6°30	T 11
F 12	15 43 32	26°54'52	11♏35	17°23	6°17	20° 8	28°51	4° 8	27°53	26°18	29° 9	29°14	27°44	11°59	6°34	F 12
S 13	15 47 28	27°52'18	23°32	19°28	7°26	20°47	28°55	4°15	27°51	26°16	29°11	29° 6	27°40	12° 6	6°38	S 13
S 14	15 51 25	28°49'43	5♐26	21°34	8°35	21°26	28°59	4°22	27°49	26°14	29°12	28°55	27°37	12°12	6°42	S 14
M15	15 55 22	29°47'06	17°18	23°43	9°44	22° 5	29° 4	4°28	27°47	26°13	29°13	28°44	27°34	12°19	6°45	M15
T 16	15 59 18	0♊44'29	29°11	25°52	10°52	22°45	29° 9	4°35	27°45	26°11	29°15	28°33	27°31	12°26	6°49	T 16
W17	16 3 15	1°41'51	11♑ 6	28° 2	12° 1	23°24	29°13	4°42	27°43	26° 9	29°16	28°22	27°28	12°33	6°53	W17
T 18	16 7 11	2°39'13	23° 5	0♊13	13° 9	24° 3	29°18	4°49	27°41	26° 8	29°17	28°14	27°24	12°39	6°57	T 18
F 19	16 11 8	3°36'33	5♒11	2°25	14°17	24°42	29°24	4°56	27°39	26° 6	29°19	28° 8	27°21	12°46	7° 0	F 19
S 20	16 15 4	4°33'53	17°28	4°37	15°25	25°21	29°29	5° 3	27°36	26° 5	29°20	28° 5	27°18	12°53	7° 4	S 20
S 21	16 19 1	5°31'13	0♓ 0	6°49	16°33	26° 0	29°34	5°10	27°34	26° 3	29°22	28° 3	27°15	13° 0	7° 8	S 21
M22	16 22 57	6°28'32	12°52	9° 1	17°41	26°39	29°40	5°18	27°32	26° 1	29°23	28°D 3	27°12	13° 6	7°11	M22
T 23	16 26 54	7°25'50	26° 6	11°12	18°48	27°17	29°46	5°25	27°30	26° 0	29°24	28°R 3	27° 9	13°13	7°15	T 23
W24	16 30 51	8°23'08	9♈48	13°22	19°56	27°56	29°52	5°32	27°28	25°58	29°26	28° 3	27° 5	13°20	7°19	W24
T 25	16 34 47	9°20'26	23°58	15°31	21° 3	28°35	29°58	5°39	27°25	25°57	29°27	28° 1	27° 2	13°26	7°22	T 25
F 26	16 38 44	10°17'43	8♉35	17°40	22°10	29°14	0♍ 4	5°47	27°23	25°55	29°28	27°56	26°59	13°33	7°26	F 26
S 27	16 42 40	11°15'00	23°35	19°46	23°17	29°53	0°10	5°54	27°21	25°54	29°30	27°49	26°56	13°40	7°29	S 27
S 28	16 46 37	12°12'16	8♊50	21°51	24°24	0♋32	0°17	6° 1	27°18	25°52	29°31	27°40	26°53	13°47	7°33	S 28
M29	16 50 33	13° 9'32	24° 9	23°54	25°31	1°11	0°23	6° 9	27°16	25°50	29°32	27°29	26°50	13°53	7°36	M29
T 30	16 54 30	14° 6'48	9♋21	25°56	26°38	1°49	0°30	6°16	27°14	25°49	29°34	27°19	26°46	14° 0	7°39	T 30
W31	16 58 26	15♊ 4'02	24♋15	27♊55	27♋44	2♋28	0♍37	6♋23	27♐11	25♏47	29♉35	27♓11	26♓43	14♐ 7	7♉43	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n49	27n42	4n58	8n10	2s18	25n22	1n58	23n20	0n53	13n22	1n19	23n10	0s21	23s46	0s14	17s47	1n45	9n19	10s57	0s 7	0s41	27s 1	12n58	0s36
T 2	17 5	28 41	5 8	8 53	2 11	25 26	2 0	23 25	0 53	13 21	1 19	23 10	0 21	23 46	0 14	17 47	1 45	9 19	10 57	0 10	0 42	27 2	12 59	0 36
W 3	17 21	27 35	4 56	9 37	2 4	25 31	2 1	23 30	0 54	13 20	1 19	23 10	0 21	23 46	0 14	17 46	1 45	9 19	10 57	0 12	0 43	27 4	13 1	0 36
T 4	17 37	24 42	4 27	10 22	1 56	25 34	2 3	23 35	0 54	13 19	1 18	23 10	0 21	23 46	0 14	17 46	1 45	9 20	10 57	0 13	0 44	27 5	13 2	0 36
F 5	17 53	20 26	3 42	11 7	1 48	25 37	2 4	23 40	0 54	13 18	1 18	23 10	0 20	23 46	0 14	17 45	1 45	9 20	10 57	0 14	0 46	27 6	13 3	0 36
S 6	18 8	15 15	2 46	11 52	1 39	25 39	2 6	23 44	0 55	13 17	1 18	23 10	0 20	23 46	0 14	17 45	1 45	9 21	10 57	0 14	0 47	27 7	13 4	0 36
S 7	18 23	9 30	1 43	12 38	1 30	25 40	2 7	23 49	0 55	13 15	1 18	23 10	0 20	23 46	0 14	17 45	1 45	9 21	10 56	0 14	0 48	27 8	13 6	0 36
M 8	18 38	3 30	0 37	13 24	1 21	25 41	2 8	23 53	0 55	13 14	1 18	23 10	0 20	23 46	0 14	17 44	1 45	9 21	10 56	0 13	0 49	27 10	13 7	0 36
T 9	18 52	2s31	0s30	14 10	1 11	25 41	2 9	23 57	0 55	13 12	1 17	23 10	0 20	23 46	0 14	17 44	1 45	9 22	10 56	0 13	0 51	27 11	13 8	0 37
W10	19 6	8 20	1 35	14 56	1 1	25 40	2 11	24 0	0 56	13 11	1 17	23 10	0 20	23 46	0 14	17 44	1 45	9 22	10 56	0 14	0 52	27 12	13 9	0 37
T 11	19 20	13 46	2 34	15 42	0 51	25 38	2 11	24 4	0 56	13 9	1 17	23 10	0 20	23 46	0 14	17 43	1 45	9 22	10 56	0 16	0 53	27 13	13 10	0 37
F 12	19 34	18 38	3 25	16 28	0 40	25 36	2 12	24 7	0 56	13 8	1 17	23 10	0 20	23 46	0 14	17 43	1 45	9 23	10 56	0 18	0 55	27 14	13 12	0 37
S 13	19 47	22 44	4 7	17 12	0 29	25 33	2 13	24 10	0 57	13 6	1 17	23 9	0 20	23 46	0 14	17 42	1 45	9 23	10 56	0 22	0 56	27 16	13 13	0 37
S 14	20 0	25 52	4 38	17 56	0 19	25 30	2 14	24 13	0 57	13 4	1 16	23 9	0 19	23 46	0 14	17 42	1 45	9 23	10 56	0 26	0 57	27 17	13 14	0 37
M15	20 12	27 52	4 57	18 40	0 8	25 26	2 14	24 16	0 57	13 3	1 16	23 9	0 19	23 46	0 14	17 42	1 45	9 24	10 56	0 30	0 58	27 18	13 15	0 37
T 16	20 24	28 36	5 3	19 21	0n 3	25 21	2 15	24 19	0 58	13 1	1 16	23 9	0 19	23 46	0 14	17 41	1 45	9 24	10 56	0 35	1 0	27 19	13 16	0 37
W17	20 36	28 0	4 56	20 2	0 13	25 15	2 15	24 21	0 58	12 59	1 16	23 9	0 19	23 46	0 14	17 41	1 45	9 24	10 56	0 39	1 1	27 20	13 17	0 37
T 18	20 47	26 5	4 35	20 41	0 24	25 9	2 16	24 23	0 58	12 57	1 16	23 9	0 19	23 46	0 14	17 41	1 45	9 24	10 56	0 42	1 2	27 21	13 18	0 37
F 19	20 58	22 59	4 3	21 18	0 34	25 2	2 16	24 25	0 58	12 55	1 16	23 9	0 19	23 46	0 14	17 40	1 45	9 25	10 56	0 45	1 3	27 22	13 20	0 37
S 20	21 9	18 49	3 18	21 53	0 44	24 54	2 16	24 27	0 59	12 53	1 15	23 8	0 19	23 46	0 14	17 40	1 45	9 25	10 56	0 46	1 5	27 24	13 21	0 38
S 21	21 20	13 45	2 23	22 25	0 53	24 46	2 16	24 28	0 59	12 51	1 15	23 8	0 19	23 46	0 14	17 40	1 45	9 25	10 56	0 47	1 6	27 25	13 22	0 38
M22	21 30	7 59	1 20	22 56	1 2	24 37	2 16	24 30	0 59	12 49	1 15	23 8	0 19	23 46	0 14	17 39	1 45	9 26	10 56	0 47	1 7	27 26	13 23	0 38
T 23	21 39	1 43	0 10	23 23	1 11	24 28	2 16	24 31	0 59	12 47	1 15	23 8	0 19	23 46	0 14	17 39	1 45	9 26	10 56	0 47	1 8	27 27	13 24	0 38
W24	21 48	4n51	1n 2	23 48	1 18	24 18	2 15	24 32	1 0	12 44	1 15	23 8	0 18	23 46	0 14	17 38	1 45	9 26	10 56	0 47	1 10	27 28	13 25	0 38
T 25	21 57	11 24	2 13	24 11	1 26	24 7	2 15	24 33	1 0	12 42	1 15	23 8	0 18	23 46	0 14	17 38	1 45	9 26	10 56	0 48	1 11	27 29	13 26	0 38
F 26	22 6	17 32	3 17	24 30	1 32	23 56	2 14	24 33	1 0	12 40	1 14	23 7	0 18	23 46	0 14	17 38	1 45	9 27	10 56	0 49	1 12	27 30	13 27	0 38
S 27	22 14	22 47	4 10	24 47	1 38	23 44	2 14	24 33	1 0	12 37	1 14	23 7	0 18	23 46	0 14	17 37	1 45	9 27	10 56	0 52	1 14	27 31	13 28	0 38
S 28	22 22	26 34	4 45	25 1	1 43	23 31	2 13	24 34	1 1	12 35	1 14	23 7	0 18	23 46	0 14	17 37	1 45	9 27	10 56	0 56	1 15	27 32	13 29	0 38
M29	22 29	28 26	5 1	25 13	1 48	23 18	2 12	24 34	1 1	12 32	1 14	23 7	0 18	23 46	0 14	17 37	1 45	9 28	10 56	1 0	1 16	27 33	13 30	0 38
T 30	22 36	28 7	4 55	25 21	1 52	23 4	2 11	24 33	1 1	12 30	1 14	23 6	0 18	23 45	0 14	17 36	1 45	9 28	10 56	1 4	1 17	27 34	13 31	0 39
W31	22n43	25n46	4n29	25n27	1n55	22n50	2n10	24n33	1n 1	12n27	1n14	23n 6	0s18	23s45	0s14	17s36	1n45	9n28	10s56	1s 8	1s19	27s35	13n32	0s39

Julian Day Number = 2141215.5, Delta T = 15m17s
Ecliptic obliquity = 23°33'07, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'38, Lahiri = 12°00'39 Julian Calendar 1 May 1150 == Greg. Calendar 8 May 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

JUNE 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 23	16♊ 1'17	8♌44	29♊53	28♋50	3♋ 7	0♍44	6♋31	27°R 9	25°R46	29♉36	27°R 4	26♓40	14♐13	7♉46	T 1
F 2	17 6 20	16°58'30	22°45	1♋48	29°57	3°46	0°51	6°38	27♐ 7	25♏44	29°38	27♓ 0	26°37	14°20	7°50	F 2
S 3	17 10 16	17°55'42	6♍16	3°41	1♌ 2	4°25	0°58	6°46	27° 4	25°43	29°39	26°59	26°34	14°27	7°53	S 3
S 4	17 14 13	18°52'54	19°22	5°32	2° 8	5° 3	1° 5	6°53	27° 2	25°41	29°40	26°58	26°30	14°34	7°56	S 4
M 5	17 18 9	19°50'06	2♎ 4	7°21	3°14	5°42	1°13	7° 1	26°59	25°40	29°42	26°58	26°27	14°40	7°59	M 5
T 6	17 22 6	20°47'16	14°29	9° 7	4°19	6°21	1°21	7° 9	26°57	25°39	29°43	26°57	26°24	14°47	8° 3	T 6
W 7	17 26 2	21°44'26	26°39	10°51	5°24	6°59	1°28	7°16	26°55	25°37	29°44	26°55	26°21	14°54	8° 6	W 7
T 8	17 29 59	22°41'36	8♏41	12°33	6°29	7°38	1°36	7°24	26°52	25°36	29°46	26°49	26°18	15° 0	8° 9	T 8
F 9	17 33 55	23°38'46	20°36	14°13	7°34	8°17	1°44	7°31	26°50	25°34	29°47	26°41	26°15	15° 7	8°12	F 9
S 10	17 37 52	24°35'55	2♐29	15°51	8°38	8°55	1°52	7°39	26°47	25°33	29°48	26°31	26°11	15°14	8°15	S 10
S 11	17 41 49	25°33'04	14°21	17°26	9°43	9°34	2° 1	7°47	26°45	25°32	29°49	26°18	26° 8	15°21	8°18	S 11
M12	17 45 45	26°30'13	26°14	18°59	10°47	10°12	2° 9	7°54	26°43	25°30	29°51	26° 4	26° 5	15°27	8°21	M12
T 13	17 49 42	27°27'22	8♑10	20°30	11°51	10°51	2°17	8° 2	26°40	25°29	29°52	25°51	26° 2	15°34	8°24	T 13
W14	17 53 38	28°24'30	20° 9	21°58	12°54	11°29	2°26	8°10	26°38	25°28	29°53	25°38	25°59	15°41	8°27	W14
T 15	17 57 35	29°21'39	2♒15	23°24	13°58	12° 8	2°35	8°18	26°35	25°26	29°54	25°28	25°56	15°48	8°30	T 15
F 16	18 1 31	0♋18'48	14°27	24°48	15° 1	12°46	2°43	8°25	26°33	25°25	29°56	25°20	25°52	15°54	8°33	F 16
S 17	18 5 28	1°15'58	26°50	26° 9	16° 3	13°25	2°52	8°33	26°30	25°24	29°57	25°15	25°49	16° 1	8°35	S 17
S 18	18 9 25	2°13'07	9♓25	27°28	17° 6	14° 3	3° 1	8°41	26°28	25°23	29°58	25°13	25°46	16° 8	8°38	S 18
M19	18 13 21	3°10'17	22°17	28°45	18° 8	14°42	3°10	8°49	26°26	25°21	29°59	25°D12	25°43	16°14	8°41	M19
T 20	18 17 18	4° 7'27	5♈28	29°59	19°10	15°20	3°20	8°56	26°23	25°20	0♊ 0	25°R12	25°40	16°21	8°44	T 20
W21	18 21 14	5° 4'38	19° 3	1♌10	20°12	15°59	3°29	9° 4	26°21	25°19	0° 1	25°12	25°36	16°28	8°46	W21
T 22	18 25 11	6° 1'50	3♉ 4	2°18	21°14	16°37	3°38	9°12	26°18	25°18	0° 3	25° 9	25°33	16°35	8°49	T 22
F 23	18 29 7	6°59'02	17°30	3°24	22°15	17°16	3°48	9°20	26°16	25°17	0° 4	25° 5	25°30	16°41	8°51	F 23
S 24	18 33 4	7°56'14	2♊19	4°28	23°16	17°54	3°57	9°28	26°14	25°16	0° 5	24°58	25°27	16°48	8°54	S 24
S 25	18 37 0	8°53'28	17°24	5°28	24°16	18°33	4° 7	9°35	26°11	25°15	0° 6	24°49	25°24	16°55	8°56	S 25
M26	18 40 57	9°50'41	2♋37	6°25	25°16	19°11	4°17	9°43	26° 9	25°14	0° 7	24°39	25°21	17° 1	8°59	M26
T 27	18 44 54	10°47'56	17°47	7°19	26°16	19°49	4°27	9°51	26° 7	25°13	0° 8	24°28	25°17	17° 8	9° 1	T 27
W28	18 48 50	11°45'10	2♌43	8°10	27°16	20°28	4°37	9°59	26° 4	25°12	0° 9	24°20	25°14	17°15	9° 3	W28
T 29	18 52 47	12°42'25	17°16	8°57	28°15	21° 6	4°47	10° 7	26° 2	25°11	0°10	24°13	25°11	17°22	9° 6	T 29
F 30	18 56 43	13♋39'40	1♍23	9♌41	29♌14	21♋45	4♍57	10♋14	26♐ 0	25♏10	0♊11	24♓ 9	25♓ 8	17♐28	9♉ 8	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	21n47	3n46	25n30	1n57	22n35	2n 9	24n32	1n 2	12n25	1n13	23n 6	0s18	23s45	0s14	17s36	1n45	9n28	10s56	1s10	1s20	27s36	13n33	0s39
F 2	22 55	16 41	2 50	25 31	1 59	22 20	2 8	24 32	1 2	12 22	1 13	23 6	0 18	23 45	0 14	17 35	1 45	9 29	10 56	1 12	1 21	27 37	13 34	0 39
S 3	23 0	10 55	1 47	25 30	2 0	22 4	2 6	24 31	1 2	12 19	1 13	23 5	0 17	23 45	0 14	17 35	1 45	9 29	10 56	1 12	1 22	27 38	13 35	0 39
S 4	23 5	4 51	0 40	25 26	2 0	21 48	2 5	24 29	1 2	12 16	1 13	23 5	0 17	23 45	0 14	17 35	1 45	9 29	10 56	1 13	1 24	27 39	13 36	0 39
M 5	23 10	1s14	0s27	25 20	1 59	21 31	2 3	24 28	1 2	12 14	1 13	23 5	0 17	23 45	0 14	17 34	1 45	9 29	10 56	1 13	1 25	27 40	13 37	0 39
T 6	23 14	7 8	1 31	25 12	1 58	21 14	2 1	24 26	1 3	12 11	1 13	23 4	0 17	23 45	0 14	17 34	1 44	9 29	10 56	1 13	1 26	27 41	13 38	0 39
W 7	23 18	12 39	2 30	25 2	1 56	20 56	1 59	24 25	1 3	12 8	1 12	23 4	0 17	23 45	0 14	17 34	1 44	9 30	10 56	1 14	1 27	27 42	13 39	0 39
T 8	23 21	17 38	3 21	24 50	1 53	20 37	1 57	24 23	1 3	12 5	1 12	23 4	0 17	23 45	0 14	17 34	1 44	9 30	10 56	1 16	1 29	27 43	13 40	0 39
F 9	23 24	21 53	4 3	24 37	1 50	20 19	1 55	24 21	1 3	12 2	1 12	23 3	0 17	23 45	0 14	17 33	1 44	9 30	10 56	1 19	1 30	27 44	13 41	0 40
S 10	23 26	25 14	4 34	24 22	1 46	20 0	1 52	24 18	1 3	11 59	1 12	23 3	0 17	23 45	0 14	17 33	1 44	9 30	10 56	1 24	1 31	27 45	13 42	0 40
S 11	23 29	27 29	4 53	24 6	1 42	19 40	1 50	24 16	1 4	11 56	1 12	23 3	0 17	23 45	0 14	17 33	1 44	9 30	10 56	1 29	1 33	27 46	13 43	0 40
M12	23 30	28 29	4 59	23 48	1 37	19 20	1 47	24 13	1 4	11 52	1 12	23 2	0 17	23 45	0 14	17 32	1 44	9 31	10 56	1 34	1 34	27 47	13 44	0 40
T 13	23 32	28 10	4 53	23 29	1 31	18 59	1 45	24 10	1 4	11 49	1 12	23 2	0 16	23 45	0 14	17 32	1 44	9 31	10 57	1 40	1 35	27 48	13 44	0 40
W14	23 33	26 32	4 33	23 9	1 25	18 39	1 42	24 7	1 4	11 46	1 11	23 2	0 16	23 45	0 14	17 32	1 44	9 31	10 57	1 45	1 36	27 49	13 45	0 40
T 15	23 33	23 39	4 1	22 48	1 18	18 17	1 39	24 4	1 4	11 43	1 11	23 1	0 16	23 45	0 14	17 32	1 44	9 31	10 57	1 49	1 38	27 50	13 46	0 40
F 16	23 33	19 43	3 17	22 26	1 11	17 56	1 36	24 0	1 4	11 39	1 11	23 1	0 16	23 45	0 14	17 31	1 44	9 31	10 57	1 52	1 39	27 50	13 47	0 40
S 17	23 33	14 53	2 24	22 3	1 3	17 34	1 32	23 57	1 5	11 36	1 11	23 0	0 16	23 45	0 14	17 31	1 44	9 31	10 57	1 54	1 40	27 51	13 48	0 40
S 18	23 32	9 21	1 22	21 40	0 55	17 12	1 29	23 53	1 5	11 33	1 11	23 0	0 16	23 45	0 14	17 31	1 44	9 32	10 57	1 55	1 41	27 52	13 48	0 41
M19	23 31	3 19	0 15	21 16	0 46	16 49	1 25	23 49	1 5	11 29	1 11	23 0	0 16	23 45	0 14	17 31	1 44	9 32	10 57	1 55	1 43	27 53	13 49	0 41
T 20	23 29	3n 1	0n54	20 51	0 37	16 26	1 22	23 45	1 5	11 26	1 11	22 59	0 16	23 44	0 14	17 30	1 44	9 32	10 57	1 55	1 44	27 54	13 50	0 41
W21	23 27	9 23	2 3	20 26	0 27	16 3	1 18	23 40	1 5	11 22	1 11	22 59	0 16	23 44	0 14	17 30	1 44	9 32	10 57	1 55	1 45	27 55	13 51	0 41
T 22	23 25	15 30	3 6	20 1	0 17	15 39	1 14	23 36	1 5	11 19	1 10	22 58	0 16	23 44	0 14	17 30	1 44	9 32	10 57	1 56	1 46	27 56	13 51	0 41
F 23	23 22	20 57	3 59	19 35	0 7	15 16	1 10	23 31	1 6	11 15	1 10	22 58	0 16	23 44	0 14	17 30	1 44	9 32	10 57	1 58	1 48	27 56	13 52	0 41
S 24	23 19	25 16	4 38	19 10	0s 4	14 52	1 6	23 26	1 6	11 12	1 10	22 57	0 15	23 44	0 14	17 29	1 44	9 32	10 57	2 1	1 49	27 57	13 53	0 41
S 25	23 15	27 54	4 59	18 44	0 16	14 27	1 1	23 21	1 6	11 8	1 10	22 57	0 15	23 44	0 14	17 29	1 44	9 33	10 58	2 4	1 50	27 58	13 54	0 41
M26	23 11	28 30	4 58	18 19	0 27	14 3	0 57	23 16	1 6	11 4	1 10	22 56	0 15	23 44	0 14	17 29	1 44	9 33	10 58	2 8	1 52	27 59	13 54	0 41
T 27	23 7	26 56	4 37	17 54	0 39	13 38	0 52	23 10	1 6	11 1	1 10	22 56	0 15	23 44	0 14	17 29	1 44	9 33	10 58	2 12	1 53	28 0	13 55	0 42
W28	23 2	23 29	3 57	17 29	0 52	13 13	0 47	23 5	1 6	10 57	1 10	22 55	0 15	23 44	0 14	17 29	1 44	9 33	10 58	2 16	1 54	28 1	13 55	0 42
T 29	22 57	18 37	3 2	17 4	1 4	12 48	0 42	22 59	1 6	10 53	1 10	22 55	0 15	23 44	0 14	17 28	1 44	9 33	10 58	2 18	1 55	28 1	13 56	0 42
F 30	22n51	12n52	1n58	16n40	1s17	12n23	0n37	22n53	1n 7	10n49	1n 9	22n54	0s15	23s44	0s14	17s28	1n44	9n33	10s58	2s20	1s57	28s 2	13n57	0s42

Julian Day Number = 2141246.5, Delta T = 15m17s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'43, Lahiri = 12°00'43 Julian Calendar 1 June 1150 == Greg. Calendar 8 June 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

JULY 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 0 40	14♋36'55	15♍ 0	10♌21	0♍12	22♋23	5♍ 7	10♋22	25°R57	25°R 9	0♊12	24°R 7	25♓ 5	17♐35	9♉10	S 1
S 2	19 4 36	15°34'11	28°10	10°58	1°10	23° 1	5°17	10°30	25♐55	25♏ 8	0°13	24°D 7	25° 2	17°42	9°12	S 2
M 3	19 8 33	16°31'26	10♎55	11°30	2° 8	23°40	5°28	10°38	25°53	25° 7	0°14	24°R 7	24°58	17°49	9°14	M 3
T 4	19 12 29	17°28'43	23°20	11°58	3° 5	24°18	5°38	10°45	25°51	25° 6	0°15	24♓ 7	24°55	17°55	9°16	T 4
W 5	19 16 26	18°25'59	5♏30	12°22	4° 1	24°56	5°49	10°53	25°49	25° 5	0°16	24° 5	24°52	18° 2	9°18	W 5
T 6	19 20 23	19°23'16	17°30	12°42	4°58	25°35	5°59	11° 1	25°46	25° 5	0°17	24° 2	24°49	18° 9	9°20	T 6
F 7	19 24 19	20°20'34	29°23	12°57	5°53	26°13	6°10	11° 9	25°44	25° 4	0°18	23°56	24°46	18°15	9°22	F 7
S 8	19 28 16	21°17'52	11♐15	13° 7	6°49	26°51	6°21	11°16	25°42	25° 3	0°19	23°48	24°42	18°22	9°24	S 8
S 9	19 32 12	22°15'11	23° 8	13°12	7°43	27°29	6°32	11°24	25°40	25° 2	0°20	23°38	24°39	18°29	9°26	S 9
M10	19 36 9	23°12'30	5♑ 4	13°R12	8°37	28° 8	6°43	11°32	25°38	25° 2	0°21	23°26	24°36	18°36	9°27	M10
T 11	19 40 5	24° 9'51	17° 6	13° 7	9°31	28°46	6°54	11°39	25°36	25° 1	0°22	23°15	24°33	18°42	9°29	T 11
W12	19 44 2	25° 7'12	29°14	12°57	10°24	29°24	7° 5	11°47	25°34	25° 0	0°23	23° 5	24°30	18°49	9°31	W12
T 13	19 47 59	26° 4'34	11♒30	12°41	11°17	0♌ 2	7°16	11°55	25°32	25° 0	0°24	22°57	24°27	18°56	9°32	T 13
F 14	19 51 55	27° 1'57	23°55	12°21	12° 9	0°41	7°27	12° 2	25°30	24°59	0°25	22°51	24°23	19° 3	9°34	F 14
S 15	19 55 52	27°59'21	6♓30	11°56	13° 0	1°19	7°38	12°10	25°28	24°59	0°25	22°48	24°20	19° 9	9°35	S 15
S 16	19 59 48	28°56'46	19°17	11°26	13°50	1°57	7°50	12°18	25°26	24°58	0°26	22°D46	24°17	19°16	9°37	S 16
M17	20 3 45	29°54'12	2♈17	10°51	14°40	2°35	8° 1	12°25	25°24	24°58	0°27	22°46	24°14	19°23	9°38	M17
T 18	20 7 41	0♌51'39	15°34	10°13	15°29	3°14	8°12	12°33	25°22	24°57	0°28	22°47	24°11	19°29	9°39	T 18
W19	20 11 38	1°49'08	29° 9	9°31	16°18	3°52	8°24	12°40	25°21	24°57	0°29	22°R48	24° 8	19°36	9°40	W19
T 20	20 15 34	2°46'39	13♉ 3	8°46	17° 6	4°30	8°36	12°48	25°19	24°57	0°29	22°48	24° 4	19°43	9°42	T 20
F 21	20 19 31	3°44'11	27°17	7°59	17°53	5° 8	8°47	12°55	25°17	24°56	0°30	22°46	24° 1	19°50	9°43	F 21
S 22	20 23 28	4°41'44	11♊49	7°11	18°39	5°47	8°59	13° 3	25°15	24°56	0°31	22°41	23°58	19°56	9°44	S 22
S 23	20 27 24	5°39'19	26°35	6°22	19°24	6°25	9°11	13°10	25°14	24°56	0°31	22°36	23°55	20° 3	9°45	S 23
M24	20 31 21	6°36'55	11♋28	5°34	20° 9	7° 3	9°22	13°17	25°12	24°55	0°32	22°29	23°52	20°10	9°46	M24
T 25	20 35 17	7°34'33	26°21	4°47	20°52	7°41	9°34	13°25	25°11	24°55	0°33	22°22	23°48	20°17	9°47	T 25
W26	20 39 14	8°32'12	11♌ 3	4° 3	21°35	8°19	9°46	13°32	25° 9	24°55	0°33	22°16	23°45	20°23	9°47	W26
T 27	20 43 10	9°29'52	25°29	3°21	22°17	8°58	9°58	13°39	25° 7	24°55	0°34	22°12	23°42	20°30	9°48	T 27
F 28	20 47 7	10°27'33	9♍32	2°44	22°57	9°36	10°10	13°47	25° 6	24°55	0°34	22° 9	23°39	20°37	9°49	F 28
S 29	20 51 3	11°25'16	23°10	2°11	23°37	10°14	10°22	13°54	25° 5	24°55	0°35	22°D 8	23°36	20°43	9°50	S 29
S 30	20 55 0	12°22'59	6♎22	1°44	24°15	10°52	10°34	14° 1	25° 3	24°55	0°36	22° 9	23°33	20°50	9°50	S 30
M31	20 58 57	13♌20'44	19♎11	1♌24	24♍53	11♌31	10♍47	14♋ 8	25♐ 2	24°D54	0♊36	22♓11	23♓29	20♐57	9♉51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n45	6n40	0n48	16n17	1s30	11n57	0n32	22n47	1n 7	10n45	1n 9	22n54	0s15	23s44	0s14	17s28	1n43	9n33	10s58	2s21	1s58	28s 3	13n57	0s42
S 2	22 38	0 24	0s22	15 54	1 44	11 31	0 26	22 40	1 7	10 41	1 9	22 53	0 15	23 44	0 14	17 28	1 43	9 33	10 58	2 21	1 59	28 4	13 58	0 42
M 3	22 31	5s41	1 28	15 32	1 57	11 6	0 21	22 34	1 7	10 37	1 9	22 53	0 15	23 44	0 14	17 28	1 43	9 33	10 59	2 21	2 0	28 4	13 58	0 42
T 4	22 24	11 25	2 29	15 11	2 11	10 40	0 15	22 27	1 7	10 33	1 9	22 52	0 15	23 44	0 14	17 28	1 43	9 33	10 59	2 21	2 2	28 5	13 59	0 42
W 5	22 17	16 35	3 21	14 52	2 24	10 14	0 9	22 21	1 7	10 29	1 9	22 52	0 15	23 44	0 14	17 27	1 43	9 33	10 59	2 21	2 3	28 6	13 59	0 43
T 6	22 9	21 2	4 4	14 33	2 38	9 47	0 3	22 14	1 7	10 25	1 9	22 51	0 14	23 43	0 14	17 27	1 43	9 34	10 59	2 23	2 4	28 7	14 0	0 43
F 7	22 0	24 36	4 36	14 16	2 51	9 21	0s 3	22 7	1 7	10 21	1 9	22 51	0 14	23 43	0 14	17 27	1 43	9 34	10 59	2 25	2 5	28 7	14 0	0 43
S 8	21 51	27 7	4 56	14 1	3 4	8 55	0 9	21 59	1 7	10 17	1 9	22 50	0 14	23 43	0 14	17 27	1 43	9 34	10 59	2 29	2 7	28 8	14 1	0 43
S 9	21 42	28 25	5 3	13 47	3 17	8 28	0 15	21 52	1 8	10 13	1 9	22 49	0 14	23 43	0 14	17 27	1 43	9 34	10 59	2 33	2 8	28 9	14 1	0 43
M10	21 33	28 24	4 57	13 35	3 30	8 2	0 22	21 44	1 8	10 9	1 8	22 49	0 14	23 43	0 14	17 27	1 43	9 34	11 0	2 37	2 9	28 9	14 2	0 43
T 11	21 23	27 3	4 38	13 24	3 42	7 36	0 29	21 37	1 8	10 5	1 8	22 48	0 14	23 43	0 14	17 27	1 43	9 34	11 0	2 41	2 11	28 10	14 2	0 43
W12	21 13	24 25	4 6	13 16	3 54	7 9	0 36	21 29	1 8	10 1	1 8	22 48	0 14	23 43	0 14	17 27	1 43	9 34	11 0	2 45	2 12	28 11	14 3	0 43
T 13	21 2	20 39	3 22	13 10	4 5	6 43	0 43	21 21	1 8	9 56	1 8	22 47	0 14	23 43	0 14	17 27	1 43	9 34	11 0	2 49	2 13	28 11	14 3	0 43
F 14	20 51	15 56	2 28	13 6	4 15	6 16	0 50	21 12	1 8	9 52	1 8	22 47	0 14	23 43	0 14	17 26	1 43	9 34	11 0	2 51	2 14	28 12	14 3	0 44
S 15	20 40	10 30	1 26	13 4	4 24	5 50	0 57	21 4	1 8	9 48	1 8	22 46	0 14	23 43	0 14	17 26	1 43	9 34	11 0	2 52	2 16	28 13	14 4	0 44
S 16	20 28	4 33	0 19	13 5	4 32	5 23	1 5	20 56	1 8	9 43	1 8	22 45	0 14	23 43	0 14	17 26	1 43	9 34	11 0	2 53	2 17	28 13	14 4	0 44
M17	20 16	1n42	0n51	13 8	4 38	4 57	1 12	20 47	1 8	9 39	1 8	22 45	0 14	23 43	0 14	17 26	1 43	9 34	11 1	2 53	2 18	28 14	14 4	0 44
T 18	20 4	7 59	1 59	13 13	4 44	4 31	1 20	20 38	1 8	9 35	1 8	22 44	0 13	23 43	0 14	17 26	1 43	9 34	11 1	2 52	2 19	28 15	14 5	0 44
W19	19 51	14 4	3 3	13 20	4 47	4 5	1 28	20 29	1 8	9 30	1 8	22 43	0 13	23 43	0 14	17 26	1 43	9 34	11 1	2 52	2 21	28 15	14 5	0 44
T 20	19 38	19 35	3 57	13 30	4 49	3 39	1 36	20 20	1 9	9 26	1 8	22 43	0 13	23 43	0 14	17 26	1 42	9 34	11 1	2 52	2 22	28 16	14 5	0 44
F 21	19 24	24 9	4 38	13 41	4 50	3 13	1 44	20 11	1 9	9 21	1 8	22 42	0 13	23 43	0 14	17 26	1 42	9 34	11 1	2 53	2 23	28 17	14 5	0 44
S 22	19 11	27 18	5 2	13 55	4 48	2 47	1 53	20 2	1 9	9 17	1 8	22 41	0 13	23 42	0 14	17 26	1 42	9 34	11 1	2 55	2 24	28 17	14 6	0 45
S 23	18 57	28 37	5 7	14 10	4 45	2 21	2 1	19 52	1 9	9 12	1 7	22 41	0 13	23 42	0 14	17 26	1 42	9 34	11 2	2 57	2 26	28 18	14 6	0 45
M24	18 42	27 53	4 51	14 27	4 39	1 56	2 10	19 42	1 9	9 8	1 7	22 40	0 13	23 42	0 14	17 26	1 42	9 34	11 2	3 0	2 27	28 18	14 6	0 45
T 25	18 28	25 10	4 16	14 45	4 32	1 31	2 19	19 33	1 9	9 3	1 7	22 40	0 13	23 42	0 14	17 26	1 42	9 34	11 2	3 3	2 28	28 19	14 6	0 45
W26	18 13	20 48	3 23	15 4	4 23	1 6	2 28	19 23	1 9	8 59	1 7	22 39	0 13	23 42	0 14	17 26	1 42	9 34	11 2	3 5	2 29	28 19	14 6	0 45
T 27	17 58	15 16	2 19	15 24	4 13	0 41	2 37	19 13	1 9	8 54	1 7	22 38	0 13	23 42	0 14	17 26	1 42	9 33	11 2	3 7	2 31	28 20	14 6	0 45
F 28	17 42	9 5	1 8	15 44	4 1	0 16	2 46	19 2	1 9	8 50	1 7	22 38	0 13	23 42	0 14	17 26	1 42	9 33	11 3	3 8	2 32	28 21	14 6	0 45
S 29	17 26	2 38	0s 6	16 4	3 47	0s 8	2 55	18 52	1 9	8 45	1 7	22 37	0 13	23 42	0 14	17 26	1 42	9 33	11 3	3 8	2 33	28 21	14 6	0 46
S 30	17 10	3s43	1 16	16 24	3 33	0 32	3 5	18 42	1 9	8 40	1 7	22 36	0 12	23 42	0 14	17 26	1 42	9 33	11 3	3 8	2 35	28 22	14 7	0 46
M31	16n54	9s43	2s22	16n44	3s17	0s56	3s14	18n31	1n 9	8n36	1n 7	22n36	0s12	23s42	0s14	17s26	1n42	9n33	11s 3	3s 7	2s36	28s22	14n 7	0s46

Julian Day Number = 2141276.5, Delta T = 15m17s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'47, Lahiri = 12°00'47 Julian Calendar 1 July 1150 == Greg. Calendar 8 July 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

AUGUST 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 2 53	14♌18'30	1♏39	1°R10	25♍29	12♌ 9	10♍59	14♋15	25°R 1	24♏54	0♊37	22♓12	23♓26	21♐ 4	9♉51	T 1
W 2	21 6 50	15°16'17	13°51	1°D 3	26° 4	12°47	11°11	14°23	24♐59	24°55	0°37	22°R13	23°23	21°10	9°52	W 2
T 3	21 10 46	16°14'06	25°52	1♌ 4	26°37	13°25	11°23	14°30	24°58	24°55	0°38	22°12	23°20	21°17	9°52	T 3
F 4	21 14 43	17°11'56	7♐46	1°12	27°10	14° 3	11°36	14°37	24°57	24°55	0°38	22°10	23°17	21°24	9°52	F 4
S 5	21 18 39	18° 9'47	19°39	1°28	27°40	14°41	11°48	14°44	24°56	24°55	0°38	22° 7	23°14	21°30	9°52	S 5
S 6	21 22 36	19° 7'39	1♑34	1°52	28°10	15°20	12° 0	14°50	24°55	24°55	0°39	22° 2	23°10	21°37	9°53	S 6
M 7	21 26 32	20° 5'33	13°34	2°24	28°38	15°58	12°13	14°57	24°54	24°55	0°39	21°57	23° 7	21°44	9°53	M 7
T 8	21 30 29	21° 3'28	25°42	3° 4	29° 4	16°36	12°25	15° 4	24°53	24°55	0°40	21°51	23° 4	21°51	9°R53	T 8
W 9	21 34 26	22° 1'24	8♒ 0	3°51	29°29	17°14	12°38	15°11	24°52	24°56	0°40	21°46	23° 1	21°57	9°53	W 9
T 10	21 38 22	22°59'22	20°30	4°46	29°52	17°52	12°50	15°18	24°51	24°56	0°40	21°42	22°58	22° 4	9°53	T 10
F 11	21 42 19	23°57'22	3♓11	5°47	0♎13	18°31	13° 3	15°24	24°50	24°56	0°41	21°40	22°54	22°11	9°53	F 11
S 12	21 46 15	24°55'23	16° 6	6°56	0°33	19° 9	13°16	15°31	24°49	24°57	0°41	21°D38	22°51	22°18	9°52	S 12
S 13	21 50 12	25°53'27	29°12	8°10	0°50	19°47	13°28	15°38	24°48	24°57	0°41	21°38	22°48	22°24	9°52	S 13
M14	21 54 8	26°51'32	12♈32	9°31	1° 6	20°25	13°41	15°44	24°47	24°58	0°41	21°40	22°45	22°31	9°52	M14
T 15	21 58 5	27°49'38	26° 3	10°57	1°20	21° 3	13°54	15°51	24°47	24°58	0°42	21°41	22°42	22°38	9°51	T 15
W16	22 2 1	28°47'47	9♉48	12°27	1°32	21°42	14° 6	15°57	24°46	24°58	0°42	21°42	22°39	22°44	9°51	W16
T 17	22 5 58	29°45'59	23°45	14° 3	1°41	22°20	14°19	16° 3	24°46	24°59	0°42	21°R43	22°35	22°51	9°51	T 17
F 18	22 9 55	0♍44'12	7♊53	15°42	1°49	22°58	14°32	16°10	24°45	25° 0	0°42	21°43	22°32	22°58	9°50	F 18
S 19	22 13 51	1°42'27	22°11	17°24	1°54	23°36	14°45	16°16	24°44	25° 0	0°42	21°42	22°29	23° 5	9°49	S 19
S 20	22 17 48	2°40'45	6♋36	19° 9	1°57	24°14	14°57	16°22	24°44	25° 1	0°42	21°40	22°26	23°11	9°49	S 20
M21	22 21 44	3°39'04	21° 4	20°57	1°R58	24°53	15°10	16°28	24°44	25° 1	0°42	21°38	22°23	23°18	9°48	M21
T 22	22 25 41	4°37'26	5♌29	22°46	1°57	25°31	15°23	16°35	24°43	25° 2	0°43	21°36	22°20	23°25	9°47	T 22
W23	22 29 37	5°35'50	19°47	24°37	1°53	26° 9	15°36	16°41	24°43	25° 3	0°43	21°34	22°16	23°32	9°46	W23
T 24	22 33 34	6°34'15	3♍53	26°29	1°47	26°47	15°49	16°47	24°43	25° 4	0°43	21°32	22°13	23°38	9°45	T 24
F 25	22 37 30	7°32'43	17°41	28°22	1°38	27°26	16° 2	16°52	24°43	25° 4	0°R43	21°D32	22°10	23°45	9°44	F 25
S 26	22 41 27	8°31'12	1♎10	0♍16	1°27	28° 4	16°15	16°58	24°42	25° 5	0°43	21°32	22° 7	23°52	9°43	S 26
S 27	22 45 24	9°29'43	14°18	2° 9	1°14	28°42	16°28	17° 4	24°42	25° 6	0°43	21°33	22° 4	23°58	9°42	S 27
M28	22 49 20	10°28'16	27° 6	4° 3	0°59	29°20	16°41	17°10	24°D42	25° 7	0°43	21°34	22° 0	24° 5	9°41	M28
T 29	22 53 17	11°26'50	9♏35	5°56	0°41	29°59	16°54	17°15	24°42	25° 8	0°42	21°35	21°57	24°12	9°40	T 29
W30	22 57 13	12°25'27	21°49	7°49	0°20	0♍37	17° 6	17°21	24°42	25° 9	0°42	21°36	21°54	24°19	9°39	W30
T 31	23 1 10	13♍24'05	3♐51	9♍41	29♍58	1♍15	17♍19	17♋26	24♐42	25♏10	0♊42	21♓36	21♓51	24♐25	9♉38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n37	15s12	3s18	17n 3	3s 1	1s19	3s24	18n20	1n 9	8n31	1n 7	22n35	0s12	23s42	0s14	17s26	1n42	9n33	11s 3	3s 7	2s37	28s23	14n 7	0s46
W 2	16 20	19 57	4 4	17 21	2 44	1 42	3 34	18 10	1 9	8 26	1 7	22 34	0 12	23 42	0 14	17 26	1 42	9 33	11 3	3 6	2 38	28 23	14 7	0 46
T 3	16 3	23 50	4 39	17 38	2 26	2 5	3 44	17 59	1 9	8 21	1 7	22 33	0 12	23 42	0 14	17 26	1 42	9 33	11 4	3 6	2 40	28 24	14 7	0 46
F 4	15 45	26 40	5 1	17 54	2 9	2 27	3 54	17 48	1 9	8 17	1 7	22 33	0 12	23 42	0 14	17 27	1 42	9 33	11 4	3 7	2 41	28 24	14 7	0 46
S 5	15 27	28 19	5 11	18 7	1 51	2 48	4 4	17 36	1 9	8 12	1 7	22 32	0 12	23 42	0 14	17 27	1 41	9 33	11 4	3 9	2 42	28 25	14 7	0 46
S 6	15 9	28 39	5 7	18 19	1 33	3 10	4 15	17 25	1 9	8 7	1 7	22 31	0 12	23 42	0 14	17 27	1 41	9 33	11 4	3 10	2 43	28 25	14 6	0 47
M 7	14 51	27 39	4 50	18 29	1 16	3 30	4 25	17 14	1 9	8 2	1 7	22 31	0 12	23 42	0 14	17 27	1 41	9 32	11 4	3 13	2 45	28 26	14 6	0 47
T 8	14 33	25 21	4 19	18 37	0 59	3 50	4 36	17 2	1 9	7 57	1 7	22 30	0 12	23 42	0 14	17 27	1 41	9 32	11 5	3 15	2 46	28 26	14 6	0 47
W 9	14 14	21 50	3 36	18 42	0 42	4 10	4 46	16 51	1 9	7 53	1 7	22 29	0 12	23 42	0 14	17 27	1 41	9 32	11 5	3 17	2 47	28 26	14 6	0 47
T 10	13 55	17 17	2 42	18 45	0 26	4 29	4 57	16 39	1 9	7 48	1 7	22 29	0 12	23 42	0 14	17 27	1 41	9 32	11 5	3 18	2 48	28 27	14 6	0 47
F 11	13 36	11 56	1 39	18 45	0 10	4 47	5 8	16 27	1 9	7 43	1 7	22 28	0 12	23 41	0 14	17 27	1 41	9 32	11 5	3 19	2 50	28 27	14 6	0 47
S 12	13 17	5 59	0 30	18 42	0n 4	5 5	5 18	16 15	1 9	7 38	1 7	22 27	0 11	23 41	0 14	17 28	1 41	9 32	11 5	3 20	2 51	28 28	14 6	0 47
S 13	12 57	0n19	0n41	18 36	0 18	5 22	5 29	16 3	1 9	7 33	1 7	22 27	0 11	23 41	0 14	17 28	1 41	9 32	11 6	3 20	2 52	28 28	14 5	0 47
M14	12 37	6 42	1 52	18 27	0 31	5 38	5 40	15 51	1 9	7 28	1 7	22 26	0 11	23 41	0 14	17 28	1 41	9 32	11 6	3 19	2 53	28 29	14 5	0 48
T 15	12 17	12 52	2 58	18 15	0 43	5 53	5 51	15 39	1 9	7 23	1 7	22 25	0 11	23 41	0 14	17 28	1 41	9 31	11 6	3 19	2 55	28 29	14 5	0 48
W16	11 57	18 31	3 54	18 0	0 54	6 8	6 1	15 26	1 9	7 18	1 7	22 25	0 11	23 41	0 14	17 28	1 41	9 31	11 6	3 18	2 56	28 29	14 5	0 48
T 17	11 36	23 17	4 38	17 42	1 4	6 21	6 12	15 14	1 9	7 13	1 6	22 24	0 11	23 41	0 14	17 28	1 41	9 31	11 6	3 18	2 57	28 30	14 4	0 48
F 18	11 16	26 45	5 6	17 22	1 12	6 34	6 22	15 1	1 9	7 8	1 6	22 23	0 11	23 41	0 14	17 29	1 41	9 31	11 7	3 18	2 59	28 30	14 4	0 48
S 19	10 55	28 33	5 15	16 58	1 20	6 46	6 33	14 48	1 9	7 3	1 6	22 23	0 11	23 41	0 14	17 29	1 41	9 31	11 7	3 18	3 0	28 30	14 4	0 48
S 20	10 34	28 27	5 4	16 32	1 27	6 56	6 43	14 36	1 9	6 58	1 6	22 22	0 11	23 41	0 14	17 29	1 41	9 31	11 7	3 19	3 1	28 31	14 4	0 48
M21	10 13	26 25	4 34	16 3	1 33	7 6	6 53	14 23	1 9	6 53	1 6	22 21	0 11	23 41	0 14	17 29	1 41	9 30	11 7	3 20	3 2	28 31	14 3	0 49
T 22	9 52	22 39	3 47	15 32	1 38	7 14	7 3	14 10	1 9	6 48	1 6	22 20	0 11	23 41	0 14	17 29	1 40	9 30	11 7	3 21	3 4	28 32	14 3	0 49
W23	9 30	17 35	2 46	14 58	1 42	7 22	7 13	13 57	1 9	6 43	1 6	22 20	0 11	23 41	0 14	17 30	1 40	9 30	11 8	3 22	3 5	28 32	14 2	0 49
T 24	9 9	11 37	1 36	14 23	1 45	7 28	7 22	13 44	1 9	6 38	1 6	22 19	0 11	23 41	0 14	17 30	1 40	9 30	11 8	3 22	3 6	28 32	14 2	0 49
F 25	8 47	5 13	0 21	13 46	1 47	7 33	7 31	13 30	1 9	6 33	1 6	22 18	0 10	23 41	0 14	17 30	1 40	9 30	11 8	3 22	3 7	28 32	14 2	0 49
S 26	8 25	1s17	0s53	13 7	1 48	7 37	7 40	13 17	1 9	6 28	1 6	22 18	0 10	23 41	0 14	17 30	1 40	9 29	11 8	3 22	3 9	28 33	14 1	0 49
S 27	8 3	7 33	2 3	12 27	1 49	7 39	7 49	13 4	1 9	6 23	1 6	22 17	0 10	23 41	0 14	17 31	1 40	9 29	11 8	3 22	3 10	28 33	14 1	0 49
M28	7 41	13 21	3 4	11 46	1 49	7 40	7 56	12 50	1 9	6 18	1 6	22 17	0 10	23 41	0 14	17 31	1 40	9 29	11 9	3 22	3 11	28 33	14 0	0 49
T 29	7 18	18 28	3 56	11 3	1 48	7 39	8 4	12 37	1 9	6 13	1 6	22 16	0 10	23 41	0 14	17 31	1 40	9 29	11 9	3 21	3 12	28 34	14 0	0 50
W30	6 56	22 43	4 35	10 20	1 47	7 38	8 11	12 23	1 9	6 8	1 6	22 15	0 10	23 41	0 14	17 31	1 40	9 29	11 9	3 21	3 14	28 34	13 59	0 50
T 31	6n33	25s57	5s 2	9n35	1n45	7s34	8s17	12n 9	1n 9	6n 3	1n 6	22n15	0s10	23s41	0s14	17s32	1n40	9n28	11s 9	3s21	3s15	28s34	13n59	0s50

Julian Day Number = 2141307.5, Delta T = 15m17s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'51, Lahiri = 12°00'51 Julian Calendar 1 Aug. 1150 == Greg. Calendar 8 Aug. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

SEPTEMBER 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 5 6	14♍22'45	15♐47	11♍33	29°R33	1♍53	17♍32	17♋32	24♐43	25♏11	0°R42	21°R36	21♓48	24♐32	9°R36	F 1
S 2	23 9 3	15°21'26	27°40	13°24	29♍ 7	2°32	17°45	17°37	24°43	25°12	0♊42	21♓36	21°45	24°39	9♉35	S 2
S 3	23 12 59	16°20'10	9♑35	15°15	28°38	3°10	17°58	17°42	24°43	25°13	0°42	21°36	21°41	24°45	9°33	S 3
M 4	23 16 56	17°18'55	21°37	17° 4	28° 8	3°48	18°11	17°48	24°43	25°14	0°42	21°35	21°38	24°52	9°32	M 4
T 5	23 20 53	18°17'42	3♒50	18°53	27°37	4°27	18°24	17°53	24°44	25°15	0°41	21°35	21°35	24°59	9°30	T 5
W 6	23 24 49	19°16'31	16°15	20°40	27° 3	5° 5	18°37	17°58	24°44	25°16	0°41	21°34	21°32	25° 6	9°29	W 6
T 7	23 28 46	20°15'21	28°57	22°27	26°29	5°43	18°50	18° 3	24°45	25°17	0°41	21°34	21°29	25°12	9°27	T 7
F 8	23 32 42	21°14'14	11♓55	24°13	25°54	6°21	19° 3	18° 8	24°45	25°18	0°40	21°34	21°25	25°19	9°25	F 8
S 9	23 36 39	22°13'08	25°11	25°58	25°18	7° 0	19°16	18°12	24°46	25°20	0°40	21°34	21°22	25°26	9°23	S 9
S 10	23 40 35	23°12'05	8♈42	27°42	24°41	7°38	19°29	18°17	24°46	25°21	0°40	21°34	21°19	25°33	9°22	S 10
M11	23 44 32	24°11'03	22°28	29°26	24° 4	8°16	19°42	18°22	24°47	25°22	0°39	21°34	21°16	25°39	9°20	M11
T 12	23 48 28	25°10'04	6♉25	1♎ 8	23°27	8°55	19°55	18°26	24°48	25°24	0°39	21°33	21°13	25°46	9°18	T 12
W13	23 52 25	26° 9'07	20°31	2°49	22°50	9°33	20° 8	18°31	24°49	25°25	0°39	21°33	21°10	25°53	9°16	W13
T 14	23 56 21	27° 8'13	4♊42	4°30	22°14	10°11	20°21	18°35	24°49	25°26	0°38	21°33	21° 6	25°59	9°14	T 14
F 15	0 0 18	28° 7'21	18°56	6°10	21°39	10°50	20°34	18°40	24°50	25°28	0°38	21°32	21° 3	26° 6	9°12	F 15
S 16	0 4 15	29° 6'32	3♋ 9	7°49	21° 4	11°28	20°47	18°44	24°51	25°29	0°37	21°D32	21° 0	26°13	9°10	S 16
S 17	0 8 11	0♎ 5'45	17°20	9°27	20°31	12° 6	21° 0	18°48	24°52	25°30	0°37	21°32	20°57	26°20	9° 7	S 17
M18	0 12 8	1° 5'00	1♌25	11° 4	19°59	12°45	21°13	18°52	24°53	25°32	0°36	21°33	20°54	26°26	9° 5	M18
T 19	0 16 4	2° 4'17	15°24	12°41	19°28	13°23	21°26	18°56	24°54	25°33	0°36	21°34	20°51	26°33	9° 3	T 19
W20	0 20 1	3° 3'37	29°13	14°16	19° 0	14° 2	21°39	19° 0	24°55	25°35	0°35	21°35	20°47	26°40	9° 1	W20
T 21	0 23 57	4° 2'59	12♍51	15°52	18°33	14°40	21°52	19° 4	24°57	25°37	0°35	21°35	20°44	26°46	8°58	T 21
F 22	0 27 54	5° 2'23	26°17	17°26	18° 8	15°18	22° 5	19° 7	24°58	25°38	0°34	21°R36	20°41	26°53	8°56	F 22
S 23	0 31 50	6° 1'50	9♎28	19° 0	17°45	15°57	22°17	19°11	24°59	25°40	0°34	21°35	20°38	27° 0	8°54	S 23
S 24	0 35 47	7° 1'18	22°23	20°32	17°24	16°35	22°30	19°14	25° 1	25°41	0°33	21°33	20°35	27° 7	8°51	S 24
M25	0 39 44	8° 0'48	5♏ 4	22° 5	17° 6	17°14	22°43	19°18	25° 2	25°43	0°32	21°31	20°31	27°13	8°49	M25
T 26	0 43 40	9° 0'21	17°29	23°36	16°50	17°52	22°56	19°21	25° 3	25°45	0°32	21°29	20°28	27°20	8°46	T 26
W27	0 47 37	9°59'55	29°42	25° 7	16°37	18°31	23° 8	19°24	25° 5	25°46	0°31	21°26	20°25	27°27	8°44	W27
T 28	0 51 33	10°59'31	11♐44	26°37	16°26	19° 9	23°21	19°27	25° 6	25°48	0°31	21°23	20°22	27°34	8°41	T 28
F 29	0 55 30	11°59'09	23°39	28° 7	16°17	19°48	23°34	19°30	25° 8	25°50	0°30	21°21	20°19	27°40	8°38	F 29
S 30	0 59 26	12♎58'49	5♑31	29♎36	16♍11	20♍26	23♍46	19♋33	25♐ 9	25♏52	0♊29	21♓20	20♓16	27♐47	8♉36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n11	28s 0	5s15	8n50	1n42	7s30	8s22	11n56	1n 9	5n58	1n 6	22n14	0s10	23s41	0s14	17s32	1n40	9n28	11s 9	3s21	3s16	28s34	13n58	0s50
S 2	5 48	28 47	5 15	8 5	1 39	7 23	8 27	11 42	1 9	5 53	1 7	22 13	0 10	23 41	0 14	17 32	1 40	9 28	11 10	3 21	3 17	28 35	13 57	0 50
S 3	5 25	28 13	5 1	7 19	1 36	7 16	8 31	11 28	1 9	5 48	1 7	22 13	0 10	23 41	0 14	17 33	1 40	9 28	11 10	3 21	3 19	28 35	13 57	0 50
M 4	5 2	26 19	4 34	6 32	1 32	7 7	8 34	11 14	1 9	5 43	1 7	22 12	0 10	23 41	0 14	17 33	1 40	9 27	11 10	3 21	3 20	28 35	13 56	0 50
T 5	4 39	23 11	3 55	5 46	1 28	6 56	8 37	11 0	1 9	5 38	1 7	22 12	0 10	23 41	0 14	17 33	1 40	9 27	11 10	3 21	3 21	28 35	13 56	0 50
W 6	4 16	18 57	3 3	4 59	1 23	6 45	8 38	10 46	1 9	5 32	1 7	22 11	0 10	23 41	0 14	17 34	1 40	9 27	11 10	3 21	3 22	28 36	13 55	0 51
T 7	3 53	13 48	2 2	4 12	1 18	6 32	8 39	10 31	1 9	5 27	1 7	22 10	0 9	23 41	0 14	17 34	1 40	9 27	11 11	3 22	3 24	28 36	13 54	0 51
F 8	3 29	7 57	0 53	3 25	1 13	6 17	8 39	10 17	1 9	5 22	1 7	22 10	0 9	23 41	0 14	17 34	1 39	9 27	11 11	3 22	3 25	28 36	13 54	0 51
S 9	3 6	1 37	0n20	2 39	1 8	6 2	8 38	10 3	1 9	5 17	1 7	22 9	0 9	23 41	0 14	17 35	1 39	9 26	11 11	3 22	3 26	28 36	13 53	0 51
S 10	2 43	4n54	1 34	1 52	1 2	5 45	8 35	9 48	1 9	5 12	1 7	22 9	0 9	23 41	0 14	17 35	1 39	9 26	11 11	3 22	3 27	28 36	13 52	0 51
M11	2 19	11 18	2 43	1 5	0 56	5 28	8 32	9 34	1 8	5 7	1 7	22 8	0 9	23 41	0 14	17 35	1 39	9 26	11 11	3 22	3 29	28 36	13 52	0 51
T 12	1 56	17 14	3 44	0 19	0 50	5 10	8 28	9 19	1 8	5 2	1 7	22 8	0 9	23 41	0 14	17 36	1 39	9 26	11 11	3 22	3 30	28 37	13 51	0 51
W13	1 32	22 19	4 31	0s27	0 44	4 51	8 23	9 5	1 8	4 57	1 7	22 7	0 9	23 41	0 14	17 36	1 39	9 25	11 12	3 22	3 31	28 37	13 50	0 51
T 14	1 9	26 8	5 3	1 13	0 37	4 31	8 17	8 50	1 8	4 52	1 7	22 7	0 9	23 41	0 14	17 36	1 39	9 25	11 12	3 22	3 32	28 37	13 49	0 52
F 15	0 45	28 20	5 16	1 59	0 31	4 11	8 11	8 35	1 8	4 47	1 7	22 6	0 9	23 41	0 14	17 37	1 39	9 25	11 12	3 22	3 34	28 37	13 49	0 52
S 16	0 21	28 41	5 10	2 44	0 24	3 50	8 3	8 21	1 8	4 42	1 7	22 6	0 9	23 41	0 14	17 37	1 39	9 24	11 12	3 22	3 35	28 37	13 48	0 52
S 17	0s 2	27 8	4 45	3 29	0 18	3 30	7 55	8 6	1 8	4 37	1 7	22 5	0 9	23 41	0 14	17 38	1 39	9 24	11 12	3 22	3 36	28 37	13 47	0 52
M18	0 26	23 53	4 3	4 14	0 11	3 9	7 46	7 51	1 8	4 31	1 7	22 5	0 9	23 41	0 14	17 38	1 39	9 24	11 13	3 22	3 38	28 37	13 46	0 52
T 19	0 50	19 16	3 7	4 58	0 4	2 48	7 36	7 36	1 8	4 26	1 7	22 4	0 8	23 42	0 14	17 38	1 39	9 24	11 13	3 22	3 39	28 38	13 45	0 52
W20	1 13	13 41	2 1	5 42	0s 3	2 27	7 26	7 21	1 8	4 21	1 7	22 4	0 8	23 42	0 14	17 39	1 39	9 23	11 13	3 21	3 40	28 38	13 44	0 52
T 21	1 37	7 30	0 48	6 25	0 10	2 7	7 15	7 6	1 8	4 16	1 7	22 3	0 8	23 42	0 14	17 39	1 39	9 23	11 13	3 21	3 41	28 38	13 44	0 52
F 22	2 1	1 5	0s26	7 8	0 17	1 47	7 3	6 51	1 7	4 11	1 7	22 3	0 8	23 42	0 14	17 40	1 39	9 23	11 13	3 21	3 43	28 38	13 43	0 53
S 23	2 24	5s15	1 37	7 50	0 24	1 27	6 51	6 36	1 7	4 6	1 7	22 2	0 8	23 42	0 14	17 40	1 39	9 23	11 13	3 21	3 44	28 38	13 42	0 53
S 24	2 48	11 15	2 42	8 32	0 31	1 7	6 39	6 21	1 7	4 1	1 7	22 2	0 8	23 42	0 14	17 40	1 39	9 22	11 14	3 22	3 45	28 38	13 41	0 53
M25	3 12	16 41	3 37	9 13	0 38	0 49	6 26	6 6	1 7	3 56	1 7	22 1	0 8	23 42	0 14	17 41	1 39	9 22	11 14	3 23	3 46	28 38	13 40	0 53
T 26	3 35	21 18	4 21	9 54	0 45	0 31	6 13	5 51	1 7	3 51	1 8	22 1	0 8	23 42	0 14	17 41	1 39	9 22	11 14	3 24	3 48	28 38	13 39	0 53
W27	3 59	24 56	4 52	10 34	0 52	0 13	6 0	5 35	1 7	3 46	1 8	22 1	0 8	23 42	0 14	17 42	1 39	9 22	11 14	3 25	3 49	28 38	13 38	0 53
T 28	4 22	27 25	5 10	11 13	0 58	0n 3	5 47	5 20	1 7	3 41	1 8	22 0	0 8	23 42	0 14	17 42	1 39	9 21	11 14	3 26	3 50	28 38	13 37	0 53
F 29	4 46	28 38	5 14	11 52	1 5	0 19	5 33	5 5	1 7	3 36	1 8	22 0	0 8	23 42	0 14	17 43	1 38	9 21	11 14	3 27	3 51	28 38	13 36	0 53
S 30	5s 9	28s31	5s 5	12s30	1s12	0n34	5s20	4n50	1n 7	3n31	1n 8	22n 0	0s 8	23s42	0s14	17s43	1n38	9n21	11s14	3s27	3s53	28s38	13n35	0s54

Julian Day Number = 2141338.5, Delta T = 15m16s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'55, Lahiri = 12°00'56 Julian Calendar 1 Sept. 1150 == Greg. Calendar 8 Sept. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

OCTOBER 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 3 23	13♎58'31	17♉25	1♏ 4	16°R 7	21♍ 5	23♍59	19♋36	25♐11	25♏53	0°R28	21°D20	20♓12	27♐54	8°R33	S 1
M 2	1 7 19	14°58'14	29°25	2°31	16°D 5	21°43	24°12	19°39	25°13	25°55	0♊28	21♓21	20° 9	28° 0	8♉30	M 2
T 3	1 11 16	15°57'59	11♒37	3°58	16♍ 6	22°22	24°24	19°41	25°15	25°57	0°27	21°22	20° 6	28° 7	8°27	T 3
W 4	1 15 13	16°57'46	24° 5	5°24	16°10	23° 0	24°37	19°44	25°16	25°59	0°26	21°24	20° 3	28°14	8°25	W 4
T 5	1 19 9	17°57'35	6♓51	6°49	16°15	23°39	24°49	19°46	25°18	26° 1	0°25	21°25	20° 0	28°21	8°22	T 5
F 6	1 23 6	18°57'25	20° 0	8°13	16°23	24°17	25° 2	19°48	25°20	26° 3	0°24	21°R26	19°57	28°27	8°19	F 6
S 7	1 27 2	19°57'17	3♈32	9°37	16°33	24°56	25°14	19°50	25°22	26° 4	0°24	21°25	19°53	28°34	8°16	S 7
S 8	1 30 59	20°57'11	17°26	11° 0	16°46	25°34	25°26	19°53	25°24	26° 6	0°23	21°23	19°50	28°41	8°13	S 8
M 9	1 34 55	21°57'07	1♉39	12°22	17° 0	26°13	25°39	19°54	25°26	26° 8	0°22	21°20	19°47	28°47	8°10	M 9
T 10	1 38 52	22°57'05	16° 6	13°43	17°17	26°51	25°51	19°56	25°28	26°10	0°21	21°15	19°44	28°54	8° 7	T 10
W11	1 42 48	23°57'06	0♊40	15° 2	17°35	27°30	26° 3	19°58	25°30	26°12	0°20	21°10	19°41	29° 1	8° 5	W11
T 12	1 46 45	24°57'08	15°16	16°21	17°56	28° 9	26°15	20° 0	25°32	26°14	0°19	21° 6	19°37	29° 8	8° 2	T 12
F 13	1 50 42	25°57'13	29°47	17°38	18°18	28°47	26°28	20° 1	25°35	26°16	0°18	21° 2	19°34	29°14	7°59	F 13
S 14	1 54 38	26°57'19	14♋ 8	18°55	18°43	29°26	26°40	20° 3	25°37	26°18	0°17	21° 0	19°31	29°21	7°56	S 14
S 15	1 58 35	27°57'28	28°16	20° 9	19° 9	0♎ 4	26°52	20° 4	25°39	26°20	0°17	20°D59	19°28	29°28	7°53	S 15
M16	2 2 31	28°57'39	12♌10	21°22	19°36	0°43	27° 4	20° 5	25°41	26°22	0°16	21° 0	19°25	29°35	7°50	M16
T 17	2 6 28	29°57'53	25°50	22°33	20° 6	1°22	27°16	20° 6	25°44	26°24	0°15	21° 1	19°22	29°41	7°47	T 17
W18	2 10 24	0♏58'08	9♍16	23°42	20°37	2° 0	27°27	20° 7	25°46	26°26	0°14	21° 2	19°18	29°48	7°43	W18
T 19	2 14 21	1°58'25	22°29	24°49	21° 9	2°39	27°39	20° 8	25°49	26°28	0°13	21°R 3	19°15	29°55	7°40	T 19
F 20	2 18 17	2°58'44	5♎30	25°53	21°43	3°18	27°51	20° 9	25°51	26°31	0°12	21° 2	19°12	0♑ 1	7°37	F 20
S 21	2 22 14	3°59'05	18°20	26°55	22°19	3°56	28° 3	20° 9	25°54	26°33	0°11	20°59	19° 9	0° 8	7°34	S 21
S 22	2 26 11	4°59'28	0♏58	27°53	22°55	4°35	28°14	20°10	25°56	26°35	0°10	20°53	19° 6	0°15	7°31	S 22
M23	2 30 7	5°59'53	13°26	28°48	23°33	5°14	28°26	20°10	25°59	26°37	0° 9	20°46	19° 2	0°22	7°28	M23
T 24	2 34 4	7° 0'19	25°43	29°38	24°13	5°53	28°37	20°11	26° 1	26°39	0° 8	20°37	18°59	0°28	7°25	T 24
W25	2 38 0	8° 0'47	7♐50	0♐25	24°53	6°31	28°49	20°11	26° 4	26°41	0° 7	20°28	18°56	0°35	7°22	W25
T 26	2 41 57	9° 1'17	19°49	1° 6	25°35	7°10	29° 0	20°R11	26° 7	26°43	0° 6	20°19	18°53	0°42	7°19	T 26
F 27	2 45 53	10° 1'48	1♑42	1°41	26°17	7°49	29°12	20°11	26° 9	26°46	0° 4	20°11	18°50	0°48	7°16	F 27
S 28	2 49 50	11° 2'20	13°33	2°10	27° 1	8°28	29°23	20°11	26°12	26°48	0° 3	20° 5	18°47	0°55	7°13	S 28
S 29	2 53 46	12° 2'54	25°24	2°32	27°46	9° 6	29°34	20°10	26°15	26°50	0° 2	20° 1	18°43	1° 2	7°10	S 29
M30	2 57 43	13° 3'29	7♒21	2°46	28°32	9°45	29°45	20°10	26°18	26°52	0° 1	19°59	18°40	1° 9	7° 7	M30
T 31	3 1 40	14♏ 4'05	19♒29	2°R51	29♍19	10♎24	29♍56	20♋ 9	26♐21	26♏54	0♊ 0	19°D59	18♓37	1♑15	7♉ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s32	27s 5	4s43	13s 7	1s19	0n48	5s 6	4n34	1n 6	3n26	1n 8	21n59	0s 8	23s42	0s14	17s44	1n38	9n20	11s15	3s27	3s54	28s38	13n34	0s54
M 2	5 55	24 24	4 8	13 44	1 25	1 1	4 52	4 19	1 6	3 21	1 8	21 59	0 7	23 42	0 14	17 44	1 38	9 20	11 15	3 27	3 55	28 38	13 33	0 54
T 3	6 19	20 36	3 21	14 20	1 31	1 13	4 39	4 3	1 6	3 16	1 8	21 59	0 7	23 42	0 14	17 44	1 38	9 20	11 15	3 26	3 56	28 38	13 32	0 54
W 4	6 42	15 50	2 24	14 55	1 38	1 25	4 25	3 48	1 6	3 12	1 8	21 58	0 7	23 42	0 14	17 45	1 38	9 20	11 15	3 26	3 58	28 38	13 31	0 54
T 5	7 5	10 16	1 19	15 29	1 44	1 35	4 12	3 33	1 6	3 7	1 8	21 58	0 7	23 42	0 14	17 45	1 38	9 19	11 15	3 25	3 59	28 38	13 30	0 54
F 6	7 28	4 6	0 8	16 3	1 50	1 44	3 58	3 17	1 6	3 2	1 8	21 58	0 7	23 42	0 14	17 46	1 38	9 19	11 15	3 25	4 0	28 38	13 29	0 54
S 7	7 50	2n25	1n 6	16 35	1 56	1 52	3 45	3 2	1 6	2 57	1 8	21 58	0 7	23 43	0 14	17 46	1 38	9 19	11 15	3 25	4 1	28 38	13 28	0 54
S 8	8 13	8 59	2 17	17 7	2 1	2 0	3 32	2 46	1 5	2 52	1 9	21 58	0 7	23 43	0 14	17 47	1 38	9 18	11 15	3 26	4 3	28 38	13 27	0 54
M 9	8 35	15 15	3 22	17 37	2 6	2 6	3 19	2 31	1 5	2 47	1 9	21 57	0 7	23 43	0 14	17 47	1 38	9 18	11 16	3 27	4 4	28 38	13 26	0 54
T 10	8 58	20 48	4 15	18 7	2 12	2 11	3 7	2 15	1 5	2 42	1 9	21 57	0 7	23 43	0 14	17 48	1 38	9 18	11 16	3 29	4 5	28 38	13 25	0 55
W11	9 20	25 8	4 52	18 36	2 17	2 15	2 54	1 59	1 5	2 38	1 9	21 57	0 7	23 43	0 14	17 48	1 38	9 18	11 16	3 31	4 6	28 38	13 24	0 55
T 12	9 42	27 52	5 10	19 3	2 21	2 19	2 42	1 44	1 5	2 33	1 9	21 57	0 7	23 43	0 14	17 49	1 38	9 17	11 16	3 33	4 8	28 37	13 23	0 55
F 13	10 4	28 41	5 8	19 30	2 25	2 21	2 30	1 28	1 5	2 28	1 9	21 57	0 6	23 43	0 14	17 49	1 38	9 17	11 16	3 34	4 9	28 37	13 22	0 55
S 14	10 26	27 33	4 46	19 55	2 29	2 22	2 18	1 13	1 4	2 23	1 9	21 57	0 6	23 43	0 14	17 50	1 38	9 17	11 16	3 35	4 10	28 37	13 21	0 55
S 15	10 48	24 39	4 8	20 19	2 33	2 23	2 6	0 57	1 4	2 19	1 9	21 56	0 6	23 43	0 14	17 50	1 38	9 16	11 16	3 35	4 11	28 37	13 20	0 55
M16	11 9	20 21	3 15	20 42	2 36	2 22	1 55	0 41	1 4	2 14	1 9	21 56	0 6	23 43	0 14	17 51	1 38	9 16	11 16	3 35	4 13	28 37	13 19	0 55
T 17	11 31	15 3	2 13	21 3	2 39	2 21	1 44	0 26	1 4	2 9	1 9	21 56	0 6	23 43	0 14	17 51	1 38	9 16	11 16	3 35	4 14	28 37	13 18	0 55
W18	11 52	9 7	1 4	21 24	2 41	2 19	1 33	0 10	1 4	2 5	1 10	21 56	0 6	23 43	0 14	17 52	1 38	9 16	11 16	3 34	4 15	28 37	13 17	0 55
T 19	12 13	2 52	0s 8	21 42	2 43	2 16	1 22	0s 5	1 3	2 0	1 10	21 56	0 6	23 43	0 14	17 52	1 38	9 15	11 17	3 34	4 16	28 37	13 16	0 55
F 20	12 34	3s23	1 18	21 59	2 45	2 12	1 12	0 21	1 3	1 56	1 10	21 56	0 6	23 43	0 14	17 53	1 38	9 15	11 17	3 34	4 18	28 36	13 15	0 56
S 21	12 54	9 24	2 22	22 14	2 45	2 7	1 2	0 37	1 3	1 51	1 10	21 56	0 6	23 44	0 14	17 53	1 38	9 15	11 17	3 36	4 19	28 36	13 13	0 56
S 22	13 15	14 58	3 19	22 28	2 45	2 2	0 52	0 52	1 3	1 46	1 10	21 56	0 6	23 44	0 14	17 54	1 38	9 15	11 17	3 38	4 20	28 36	13 12	0 56
M23	13 35	19 49	4 5	22 40	2 45	1 56	0 42	1 8	1 3	1 42	1 10	21 56	0 6	23 44	0 14	17 54	1 38	9 14	11 17	3 41	4 21	28 36	13 11	0 56
T 24	13 55	23 47	4 38	22 49	2 43	1 49	0 33	1 23	1 2	1 37	1 10	21 56	0 5	23 44	0 14	17 55	1 38	9 14	11 17	3 44	4 23	28 36	13 10	0 56
W25	14 15	26 38	4 59	22 57	2 41	1 41	0 23	1 39	1 2	1 33	1 10	21 56	0 5	23 44	0 14	17 55	1 38	9 14	11 17	3 48	4 24	28 35	13 9	0 56
T 26	14 34	28 15	5 6	23 2	2 37	1 33	0 15	1 55	1 2	1 29	1 11	21 56	0 5	23 44	0 14	17 56	1 38	9 13	11 17	3 51	4 25	28 35	13 8	0 56
F 27	14 54	28 33	5 0	23 5	2 33	1 23	0 6	2 10	1 2	1 24	1 11	21 57	0 5	23 44	0 14	17 57	1 38	9 13	11 17	3 55	4 26	28 35	13 7	0 56
S 28	15 13	27 31	4 41	23 6	2 27	1 14	0n 3	2 26	1 2	1 20	1 11	21 57	0 5	23 44	0 14	17 57	1 38	9 13	11 17	3 57	4 28	28 35	13 6	0 56
S 29	15 31	25 15	4 10	23 4	2 21	1 3	0 11	2 41	1 1	1 15	1 11	21 57	0 5	23 44	0 14	17 58	1 38	9 13	11 17	3 58	4 29	28 35	13 5	0 56
M30	15 50	21 52	3 28	22 58	2 12	0 52	0 19	2 57	1 1	1 11	1 11	21 57	0 5	23 44	0 14	17 58	1 38	9 12	11 17	3 59	4 30	28 34	13 4	0 56
T 31	16s 8	17s31	2s36	22s50	2s 3	0n41	0n26	3s12	1n 1	1n 7	1n11	21n57	0s 5	23s44	0s14	17s59	1n38	9n12	11s17	3s59	4s31	28s34	13n 3	0s57

Julian Day Number = 2141368.5, Delta T = 15m16s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°53'59, Lahiri = 12°01'00 Julian Calendar 1 Oct. 1150 == Greg. Calendar 8 Oct. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

NOVEMBER 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 5 36	15♏ 4'43	1♓52	2°R47	0♎ 7	11♎ 3	0♎ 7	20°R 9	26♐24	26♏57	29°R59	20♓ 0	18♓34	1♑22	7°R 0	W 1
T 2	3 9 33	16° 5'22	14°36	2♐33	0°55	11°42	0°18	20♋ 8	26°27	26°59	29♉58	20°R 1	18°31	1°29	6♉57	T 2
F 3	3 13 29	17° 6'01	27°45	2° 9	1°45	12°20	0°29	20° 7	26°30	27° 1	29°57	20° 0	18°28	1°36	6°54	F 3
S 4	3 17 26	18° 6'42	11♈21	1°34	2°35	12°59	0°39	20° 6	26°32	27° 3	29°56	19°58	18°24	1°42	6°51	S 4
S 5	3 21 22	19° 7'25	25°26	0°48	3°26	13°38	0°50	20° 5	26°36	27° 6	29°55	19°54	18°21	1°49	6°48	S 5
M 6	3 25 19	20° 8'08	9♉56	29♏53	4°18	14°17	1° 0	20° 4	26°39	27° 8	29°53	19°47	18°18	1°56	6°45	M 6
T 7	3 29 15	21° 8'53	24°46	28°48	5°11	14°56	1°11	20° 3	26°42	27°10	29°52	19°38	18°15	2° 2	6°42	T 7
W 8	3 33 12	22° 9'40	9♊47	27°35	6° 4	15°35	1°21	20° 1	26°45	27°12	29°51	19°28	18°12	2° 9	6°39	W 8
T 9	3 37 9	23°10'27	24°51	26°16	6°58	16°13	1°32	20° 0	26°48	27°15	29°50	19°18	18° 8	2°16	6°37	T 9
F 10	3 41 5	24°11'16	9♋46	24°54	7°53	16°52	1°42	19°58	26°51	27°17	29°49	19°10	18° 5	2°23	6°34	F 10
S 11	3 45 2	25°12'07	24°26	23°32	8°48	17°31	1°52	19°56	26°54	27°19	29°48	19° 4	18° 2	2°29	6°31	S 11
S 12	3 48 58	26°12'59	8♌45	22°12	9°44	18°10	2° 2	19°55	26°57	27°21	29°47	19° 0	17°59	2°36	6°28	S 12
M13	3 52 55	27°13'53	22°42	20°56	10°41	18°49	2°12	19°53	27° 1	27°24	29°45	18°D59	17°56	2°43	6°25	M13
T 14	3 56 51	28°14'47	6♍16	19°48	11°38	19°28	2°21	19°51	27° 4	27°26	29°44	18°59	17°53	2°49	6°22	T 14
W15	4 0 48	29°15'44	19°30	18°49	12°36	20° 7	2°31	19°48	27° 7	27°28	29°43	18°R59	17°49	2°56	6°19	W15
T 16	4 4 44	0♐16'41	2♎28	18° 0	13°34	20°46	2°41	19°46	27°10	27°30	29°42	18°59	17°46	3° 3	6°17	T 16
F 17	4 8 41	1°17'40	15°10	17°22	14°33	21°25	2°50	19°44	27°14	27°33	29°41	18°56	17°43	3°10	6°14	F 17
S 18	4 12 38	2°18'40	27°42	16°56	15°32	22° 4	2°59	19°41	27°17	27°35	29°40	18°50	17°40	3°16	6°11	S 18
S 19	4 16 34	3°19'41	10♏ 3	16°41	16°32	22°43	3° 9	19°39	27°20	27°37	29°39	18°41	17°37	3°23	6° 9	S 19
M20	4 20 31	4°20'43	22°17	16°D37	17°32	23°22	3°18	19°36	27°24	27°39	29°37	18°29	17°34	3°30	6° 6	M20
T 21	4 24 27	5°21'46	4♐23	16°44	18°33	24° 1	3°27	19°34	27°27	27°42	29°36	18°16	17°30	3°36	6° 3	T 21
W22	4 28 24	6°22'50	16°23	16°59	19°34	24°40	3°36	19°31	27°31	27°44	29°35	18° 1	17°27	3°43	6° 1	W22
T 23	4 32 20	7°23'55	28°18	17°24	20°35	25°19	3°45	19°28	27°34	27°46	29°34	17°46	17°24	3°50	5°58	T 23
F 24	4 36 17	8°25'01	10♑10	17°56	21°37	25°58	3°53	19°25	27°37	27°48	29°33	17°33	17°21	3°57	5°56	F 24
S 25	4 40 13	9°26'07	21°59	18°35	22°39	26°37	4° 2	19°22	27°41	27°51	29°32	17°22	17°18	4° 3	5°53	S 25
S 26	4 44 10	10°27'14	3♒50	19°20	23°42	27°16	4°10	19°18	27°44	27°53	29°31	17°15	17°14	4°10	5°51	S 26
M27	4 48 7	11°28'21	15°46	20°11	24°45	27°55	4°19	19°15	27°48	27°55	29°30	17°10	17°11	4°17	5°49	M27
T 28	4 52 3	12°29'28	27°50	21° 6	25°48	28°34	4°27	19°12	27°51	27°57	29°28	17° 7	17° 8	4°24	5°46	T 28
W29	4 56 0	13°30'36	10♓ 8	22° 6	26°52	29°13	4°35	19° 8	27°55	28° 0	29°27	17° 7	17° 5	4°30	5°44	W29
T 30	4 59 56	14♐31'44	22♓45	23♏10	27♎56	29♎52	4♎43	19♋ 5	27♐58	28♏ 2	29♉26	17♓ 7	17♓ 2	4♑37	5♉42	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s26	12s21	1s36	22s39	1s52	0n28	0n34	3s28	1n 1	1n 3	1n11	21n57	0s 5	23s44	0s14	17s59	1n37	9n12	11s17	3s59	4s33	28s34	13n 2	0s57
T 2	16 44	6 32	0 29	22 23	1 39	0 16	0 41	3 43	1 0	0 58	1 12	21 57	0 5	23 44	0 14	18 0	1 37	9 12	11 17	3 58	4 34	28 33	13 0	0 57
F 3	17 1	0 16	0n41	22 5	1 25	0 2	0 48	3 59	1 0	0 54	1 12	21 58	0 5	23 45	0 14	18 0	1 37	9 11	11 17	3 59	4 35	28 33	12 59	0 57
S 4	17 18	6n13	1 51	21 42	1 9	0s12	0 55	4 14	1 0	0 50	1 12	21 58	0 4	23 45	0 14	18 1	1 37	9 11	11 17	3 59	4 36	28 33	12 58	0 57
S 5	17 35	12 37	2 57	21 16	0 52	0 26	1 1	4 29	1 0	0 46	1 12	21 58	0 4	23 45	0 14	18 1	1 37	9 11	11 17	4 1	4 38	28 33	12 57	0 57
M 6	17 52	18 33	3 53	20 46	0 33	0 41	1 8	4 45	0 59	0 42	1 12	21 58	0 4	23 45	0 14	18 2	1 37	9 11	11 17	4 4	4 39	28 32	12 56	0 57
T 7	18 8	23 30	4 35	20 12	0 14	0 56	1 14	5 0	0 59	0 38	1 12	21 59	0 4	23 45	0 14	18 2	1 37	9 11	11 17	4 7	4 40	28 32	12 55	0 57
W 8	18 24	26 57	4 59	19 36	0n 7	1 12	1 20	5 15	0 59	0 34	1 13	21 59	0 4	23 45	0 14	18 3	1 37	9 10	11 17	4 11	4 41	28 32	12 54	0 57
T 9	18 39	28 28	5 2	18 58	0 27	1 28	1 25	5 31	0 59	0 30	1 13	21 59	0 4	23 45	0 14	18 3	1 37	9 10	11 17	4 15	4 43	28 31	12 53	0 57
F 10	18 54	27 54	4 44	18 19	0 48	1 45	1 31	5 46	0 58	0 26	1 13	22 0	0 4	23 45	0 14	18 4	1 37	9 10	11 17	4 18	4 44	28 31	12 52	0 57
S 11	19 9	25 24	4 8	17 40	1 7	2 2	1 36	6 1	0 58	0 22	1 13	22 0	0 4	23 45	0 14	18 4	1 37	9 10	11 17	4 21	4 45	28 31	12 51	0 57
S 12	19 24	21 19	3 17	17 1	1 26	2 19	1 41	6 16	0 58	0 19	1 13	22 0	0 4	23 45	0 14	18 5	1 37	9 9	11 17	4 22	4 46	28 30	12 50	0 57
M13	19 38	16 8	2 15	16 25	1 43	2 37	1 46	6 31	0 57	0 15	1 13	22 1	0 4	23 45	0 14	18 5	1 37	9 9	11 17	4 23	4 48	28 30	12 49	0 57
T 14	19 52	10 17	1 7	15 53	1 58	2 55	1 51	6 46	0 57	0 11	1 14	22 1	0 3	23 45	0 14	18 6	1 37	9 9	11 17	4 23	4 49	28 30	12 48	0 58
W15	20 5	4 8	0s 3	15 24	2 11	3 14	1 55	7 1	0 57	0 7	1 14	22 2	0 3	23 45	0 14	18 6	1 37	9 9	11 17	4 23	4 50	28 29	12 47	0 58
T 16	20 18	2s 4	1 11	15 1	2 21	3 33	1 59	7 16	0 57	0 4	1 14	22 2	0 3	23 46	0 14	18 7	1 37	9 9	11 17	4 23	4 51	28 29	12 46	0 58
F 17	20 31	8 4	2 14	14 42	2 30	3 52	2 3	7 31	0 56	0 0	1 14	22 2	0 3	23 46	0 14	18 7	1 37	9 8	11 17	4 24	4 53	28 28	12 45	0 58
S 18	20 43	13 39	3 9	14 29	2 36	4 11	2 7	7 46	0 56	0s 4	1 14	22 3	0 3	23 46	0 14	18 8	1 37	9 8	11 17	4 26	4 54	28 28	12 44	0 58
S 19	20 55	18 37	3 55	14 20	2 41	4 31	2 11	8 1	0 56	0 7	1 15	22 3	0 3	23 46	0 14	18 8	1 37	9 8	11 17	4 30	4 55	28 28	12 43	0 58
M20	21 7	22 45	4 29	14 17	2 43	4 51	2 14	8 16	0 55	0 11	1 15	22 4	0 3	23 46	0 14	18 9	1 37	9 8	11 17	4 34	4 56	28 27	12 42	0 58
T 21	21 18	25 53	4 51	14 17	2 44	5 11	2 18	8 30	0 55	0 14	1 15	22 4	0 3	23 46	0 14	18 9	1 37	9 8	11 17	4 40	4 58	28 27	12 41	0 58
W22	21 29	27 49	4 59	14 22	2 44	5 31	2 21	8 45	0 55	0 17	1 15	22 5	0 3	23 46	0 14	18 10	1 37	9 8	11 17	4 46	4 59	28 26	12 41	0 58
T 23	21 39	28 27	4 55	14 31	2 42	5 51	2 24	9 0	0 54	0 21	1 15	22 5	0 3	23 46	0 14	18 10	1 37	9 7	11 17	4 51	5 0	28 26	12 40	0 58
F 24	21 49	27 46	4 37	14 42	2 39	6 12	2 27	9 14	0 54	0 24	1 16	22 6	0 2	23 46	0 14	18 11	1 37	9 7	11 17	4 56	5 1	28 25	12 39	0 58
S 25	21 58	25 49	4 7	14 57	2 36	6 33	2 29	9 29	0 54	0 27	1 16	22 6	0 2	23 46	0 14	18 11	1 37	9 7	11 17	5 1	5 3	28 25	12 38	0 58
S 26	22 7	22 44	3 27	15 13	2 31	6 54	2 31	9 43	0 53	0 30	1 16	22 7	0 2	23 46	0 14	18 12	1 37	9 7	11 17	5 4	5 4	28 24	12 37	0 58
M27	22 16	18 41	2 37	15 32	2 26	7 15	2 34	9 58	0 53	0 33	1 16	22 8	0 2	23 46	0 14	18 12	1 37	9 7	11 16	5 6	5 5	28 24	12 36	0 58
T 28	22 24	13 51	1 40	15 52	2 20	7 36	2 36	10 12	0 53	0 36	1 16	22 8	0 2	23 46	0 14	18 13	1 37	9 7	11 16	5 7	5 6	28 23	12 35	0 58
W29	22 32	8 22	0 37	16 14	2 14	7 57	2 38	10 26	0 52	0 40	1 17	22 9	0 2	23 46	0 14	18 13	1 37	9 7	11 16	5 7	5 7	28 23	12 35	0 58
T 30	22s39	2s26	0n30	16s36	2n 7	8s18	2n39	10s40	0n52	0s42	1n17	22n 9	0s 2	23s46	0s14	18s14	1n37	9n 6	11s16	5s 7	5s 9	28s22	12n34	0s58

Julian Day Number = 2141399.5, Delta T = 15m16s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'04, Lahiri = 12°01'04 Julian Calendar 1 Nov. 1150 == Greg. Calendar 8 Nov. 1150

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ASTRODIENST EPHEMERIS for the year 1150
geocentric

DECEMBER 1150 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 3 53	15♐32'52	5♈47	24♏16	29♎ 0	0♏31	4♎51	19°R 1	28♐ 2	28♏ 4	29°R25	17°R 6	16♓59	4♉44	5°R39	F 1
S 2	5 7 49	16°34'01	19°17	25°26	0♏ 5	1°11	4°58	18♋57	28° 5	28° 6	29♉24	17♓ 3	16°55	4°50	5♉37	S 2
S 3	5 11 46	17°35'09	3♉17	26°38	1°10	1°50	5° 6	18°54	28° 9	28° 8	29°23	16°58	16°52	4°57	5°35	S 3
M 4	5 15 42	18°36'18	17°47	27°52	2°15	2°29	5°13	18°50	28°12	28°10	29°22	16°50	16°49	5° 4	5°33	M 4
T 5	5 19 39	19°37'27	2♊44	29° 8	3°20	3° 8	5°20	18°46	28°16	28°13	29°21	16°40	16°46	5°11	5°31	T 5
W 6	5 23 36	20°38'37	17°57	0♐26	4°26	3°47	5°28	18°42	28°20	28°15	29°20	16°28	16°43	5°17	5°29	W 6
T 7	5 27 32	21°39'47	3♋18	1°46	5°32	4°26	5°35	18°38	28°23	28°17	29°19	16°16	16°40	5°24	5°27	T 7
F 8	5 31 29	22°40'57	18°34	3° 6	6°38	5° 5	5°41	18°34	28°27	28°19	29°18	16° 6	16°36	5°31	5°25	F 8
S 9	5 35 25	23°42'07	3♌34	4°28	7°45	5°44	5°48	18°29	28°30	28°21	29°17	15°58	16°33	5°37	5°24	S 9
S 10	5 39 22	24°43'18	18°11	5°51	8°52	6°24	5°55	18°25	28°34	28°23	29°16	15°54	16°30	5°44	5°22	S 10
M11	5 43 18	25°44'29	2♍21	7°15	9°59	7° 3	6° 1	18°21	28°37	28°25	29°14	15°51	16°27	5°51	5°20	M11
T 12	5 47 15	26°45'40	16° 3	8°40	11° 6	7°42	6° 7	18°16	28°41	28°27	29°13	15°D51	16°24	5°58	5°19	T 12
W13	5 51 12	27°46'52	29°19	10° 6	12°13	8°21	6°14	18°12	28°45	28°29	29°12	15°R51	16°20	6° 4	5°17	W13
T 14	5 55 8	28°48'04	12♎13	11°32	13°21	9° 0	6°19	18° 8	28°48	28°31	29°11	15°50	16°17	6°11	5°15	T 14
F 15	5 59 5	29°49'17	24°48	12°59	14°29	9°40	6°25	18° 3	28°52	28°33	29°11	15°48	16°14	6°18	5°14	F 15
S 16	6 3 1	0♏50'29	7♏ 9	14°27	15°37	10°19	6°31	17°58	28°55	28°35	29°10	15°42	16°11	6°24	5°12	S 16
S 17	6 6 58	1°51'42	19°20	15°55	16°45	10°58	6°36	17°54	28°59	28°37	29° 9	15°34	16° 8	6°31	5°11	S 17
M18	6 10 54	2°52'55	1♐22	17°24	17°53	11°37	6°42	17°49	29° 3	28°39	29° 8	15°23	16° 5	6°38	5°10	M18
T 19	6 14 51	3°54'08	13°20	18°53	19° 2	12°16	6°47	17°44	29° 6	28°41	29° 7	15°10	16° 1	6°45	5° 9	T 19
W20	6 18 47	4°55'20	25°14	20°23	20°10	12°56	6°52	17°40	29°10	28°43	29° 6	14°56	15°58	6°51	5° 7	W20
T 21	6 22 44	5°56'33	7♑ 6	21°53	21°19	13°35	6°57	17°35	29°13	28°45	29° 5	14°42	15°55	6°58	5° 6	T 21
F 22	6 26 41	6°57'45	18°57	23°24	22°28	14°14	7° 1	17°30	29°17	28°47	29° 4	14°30	15°52	7° 5	5° 5	F 22
S 23	6 30 37	7°58'57	0♒49	24°55	23°37	14°53	7° 6	17°25	29°21	28°49	29° 3	14°19	15°49	7°11	5° 4	S 23
S 24	6 34 34	9° 0'08	12°43	26°27	24°47	15°33	7°10	17°20	29°24	28°51	29° 2	14°12	15°46	7°18	5° 3	S 24
M25	6 38 30	10° 1'19	24°42	27°59	25°56	16°12	7°14	17°16	29°28	28°52	29° 1	14° 7	15°42	7°25	5° 2	M25
T 26	6 42 27	11° 2'29	6♓50	29°32	27° 6	16°51	7°18	17°11	29°31	28°54	29° 1	14° 5	15°39	7°32	5° 2	T 26
W27	6 46 23	12° 3'38	19° 9	1♑ 5	28°15	17°30	7°22	17° 6	29°35	28°56	29° 0	14°D 5	15°36	7°38	5° 1	W27
T 28	6 50 20	13° 4'47	1♈44	2°38	29°25	18°10	7°26	17° 1	29°38	28°58	28°59	14° 5	15°33	7°45	5° 0	T 28
F 29	6 54 16	14° 5'55	14°39	4°13	0♐35	18°49	7°29	16°56	29°42	29° 0	28°58	14°R 6	15°30	7°52	4°59	F 29
S 30	6 58 13	15° 7'01	28° 0	5°47	1°45	19°28	7°33	16°51	29°45	29° 1	28°58	14° 5	15°26	7°58	4°59	S 30
S 31	7 2 10	16♑ 8'07	11♉49	7♑22	2♐55	20♏ 8	7♎36	16♋46	29♐49	29♏ 3	28♉57	14♓ 2	15♓23	8♑ 5	4♉58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s46	3n47	1n37	16s59	2n 0	8s40	2n41	10s54	0n51	0s45	1n17	22n10	0s 2	23s47	0s14	18s14	1n37	9n 6	11s16	5s 7	5s10	28s22	12n33	0s58
S 2	22 52	10 4	2 41	17 23	1 53	9 1	2 42	11 8	0 51	0 48	1 17	22 11	0 2	23 47	0 14	18 15	1 37	9 6	11 16	5 8	5 11	28 21	12 32	0 59
S 3	22 58	16 4	3 38	17 47	1 45	9 23	2 44	11 22	0 51	0 51	1 17	22 11	0 2	23 47	0 14	18 15	1 37	9 6	11 16	5 10	5 12	28 21	12 32	0 59
M 4	23 4	21 25	4 23	18 12	1 38	9 44	2 45	11 36	0 50	0 54	1 18	22 12	0 1	23 47	0 14	18 16	1 37	9 6	11 16	5 13	5 14	28 20	12 31	0 59
T 5	23 9	25 34	4 51	18 36	1 30	10 5	2 46	11 50	0 50	0 56	1 18	22 13	0 1	23 47	0 14	18 16	1 37	9 6	11 16	5 17	5 15	28 20	12 30	0 59
W 6	23 13	27 59	5 0	19 0	1 22	10 27	2 47	12 4	0 49	0 59	1 18	22 13	0 1	23 47	0 14	18 17	1 38	9 6	11 15	5 22	5 16	28 19	12 29	0 59
T 7	23 17	28 17	4 47	19 24	1 14	10 48	2 47	12 17	0 49	1 2	1 18	22 14	0 1	23 47	0 14	18 17	1 38	9 6	11 15	5 26	5 17	28 19	12 29	0 59
F 8	23 21	26 27	4 14	19 48	1 6	11 9	2 48	12 31	0 49	1 4	1 19	22 15	0 1	23 47	0 14	18 18	1 38	9 6	11 15	5 30	5 19	28 18	12 28	0 59
S 9	23 24	22 44	3 23	20 11	0 58	11 30	2 48	12 44	0 48	1 7	1 19	22 15	0 1	23 47	0 14	18 18	1 38	9 6	11 15	5 33	5 20	28 17	12 27	0 59
S 10	23 27	17 41	2 21	20 34	0 50	11 52	2 48	12 58	0 48	1 9	1 19	22 16	0 1	23 47	0 14	18 18	1 38	9 6	11 15	5 35	5 21	28 17	12 27	0 59
M11	23 29	11 47	1 11	20 56	0 42	12 13	2 49	13 11	0 47	1 11	1 19	22 17	0 1	23 47	0 14	18 19	1 38	9 5	11 15	5 36	5 22	28 16	12 26	0 59
T 12	23 31	5 31	0s 1	21 17	0 35	12 33	2 49	13 24	0 47	1 14	1 20	22 17	0 1	23 47	0 14	18 19	1 38	9 5	11 15	5 36	5 24	28 16	12 26	0 59
W13	23 32	0s48	1 11	21 38	0 27	12 54	2 48	13 37	0 46	1 16	1 20	22 18	0 0	23 47	0 14	18 20	1 38	9 5	11 14	5 36	5 25	28 15	12 25	0 59
T 14	23 33	6 55	2 15	21 57	0 19	13 15	2 48	13 50	0 46	1 18	1 20	22 19	0 0	23 47	0 14	18 20	1 38	9 5	11 14	5 37	5 26	28 14	12 25	0 59
F 15	23 33	12 36	3 10	22 16	0 12	13 35	2 48	14 3	0 46	1 20	1 20	22 19	0 0	23 47	0 14	18 21	1 38	9 5	11 14	5 38	5 27	28 14	12 24	0 59
S 16	23 33	17 41	3 56	22 34	0 4	13 55	2 47	14 16	0 45	1 22	1 21	22 20	0 0	23 47	0 14	18 21	1 38	9 5	11 14	5 40	5 29	28 13	12 23	0 59
S 17	23 32	21 58	4 30	22 52	0s 3	14 16	2 47	14 29	0 45	1 24	1 21	22 21	0 0	23 47	0 14	18 21	1 38	9 5	11 14	5 43	5 30	28 13	12 23	0 59
M18	23 31	25 17	4 52	23 8	0 11	14 35	2 46	14 41	0 44	1 26	1 21	22 22	0n 0	23 47	0 14	18 22	1 38	9 5	11 14	5 47	5 31	28 12	12 23	0 59
T 19	23 30	27 28	5 0	23 23	0 18	14 55	2 45	14 54	0 44	1 28	1 21	22 22	0 0	23 47	0 14	18 22	1 38	9 5	11 13	5 52	5 32	28 11	12 22	0 59
W20	23 28	28 24	4 56	23 37	0 25	15 14	2 44	15 6	0 43	1 29	1 22	22 23	0 0	23 47	0 14	18 23	1 38	9 5	11 13	5 58	5 34	28 11	12 22	0 59
T 21	23 25	28 0	4 38	23 50	0 31	15 33	2 43	15 19	0 43	1 31	1 22	22 24	0 0	23 47	0 14	18 23	1 38	9 5	11 13	6 3	5 35	28 10	12 21	0 59
F 22	23 22	26 19	4 9	24 1	0 38	15 52	2 42	15 31	0 42	1 33	1 22	22 25	0 1	23 47	0 15	18 23	1 38	9 5	11 13	6 8	5 36	28 9	12 21	0 59
S 23	23 19	23 27	3 28	24 12	0 45	16 11	2 40	15 43	0 42	1 34	1 22	22 25	0 1	23 48	0 15	18 24	1 38	9 5	11 13	6 12	5 37	28 8	12 20	0 59
S 24	23 15	19 36	2 39	24 21	0 51	16 29	2 39	15 55	0 41	1 36	1 23	22 26	0 1	23 48	0 15	18 24	1 38	9 5	11 13	6 15	5 38	28 8	12 20	0 59
M25	23 10	14 56	1 41	24 29	0 57	16 47	2 37	16 7	0 41	1 37	1 23	22 27	0 1	23 48	0 15	18 25	1 38	9 5	11 12	6 17	5 40	28 7	12 20	0 59
T 26	23 5	9 39	0 39	24 36	1 3	17 4	2 36	16 19	0 40	1 39	1 23	22 27	0 1	23 48	0 15	18 25	1 38	9 5	11 12	6 18	5 41	28 6	12 20	0 59
W27	23 0	3 54	0n27	24 41	1 9	17 22	2 34	16 30	0 40	1 40	1 23	22 28	0 1	23 48	0 15	18 25	1 38	9 5	11 12	6 18	5 42	28 6	12 19	0 59
T 28	22 54	2n 7	1 33	24 45	1 14	17 39	2 32	16 42	0 39	1 41	1 24	22 29	0 1	23 48	0 15	18 26	1 38	9 5	11 12	6 17	5 43	28 5	12 19	0 59
F 29	22 48	8 12	2 36	24 48	1 19	17 55	2 30	16 53	0 38	1 42	1 24	22 30	0 1	23 48	0 15	18 26	1 38	9 5	11 12	6 17	5 45	28 4	12 19	0 59
S 30	22 41	14 7	3 32	24 50	1 24	18 11	2 28	17 4	0 38	1 43	1 24	22 30	0 1	23 48	0 15	18 26	1 38	9 5	11 11	6 17	5 46	28 3	12 19	0 59
S 31	22s34	19n33	4n19	24s50	1s29	18s27	2n26	17s16	0n37	1s44	1n24	22n31	0n 2	23s48	0s15	18s27	1n38	9n 5	11s11	6s19	5s47	28s 3	12n18	1s 0

Julian Day Number = 2141429.5, Delta T = 15m16s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'08, Lahiri = 12°01'08 Julian Calendar 1 Dec. 1150 == Greg. Calendar 8 Dec. 1150

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

JANUARY 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 6 6	17♑ 9'12	26♉ 6	8♑58	4♐ 5	20♏47	7♎39	16°R41	29♐52	29♏ 5	28°R56	13°R57	15♓20	8♑12	4°R58	M 1
T 2	7 10 3	18°10'17	10♊50	10°34	5°16	21°26	7°41	16♋36	29°56	29° 6	28♉55	13♓50	15°17	8°19	4♉57	T 2
W 3	7 13 59	19°11'20	25°56	12°11	6°26	22° 5	7°44	16°31	29°59	29° 8	28°55	13°41	15°14	8°25	4°57	W 3
T 4	7 17 56	20°12'22	11♋14	13°49	7°37	22°45	7°46	16°26	0♑ 3	29°10	28°54	13°32	15°11	8°32	4°57	T 4
F 5	7 21 52	21°13'24	26°32	15°27	8°47	23°24	7°49	16°21	0° 6	29°11	28°53	13°25	15° 7	8°39	4°57	F 5
S 6	7 25 49	22°14'24	11♌41	17° 5	9°58	24° 3	7°51	16°17	0° 9	29°13	28°53	13°19	15° 4	8°45	4°57	S 6
S 7	7 29 46	23°15'24	26°30	18°45	11° 9	24°43	7°52	16°12	0°13	29°14	28°52	13°16	15° 1	8°52	4°57	S 7
M 8	7 33 42	24°16'23	10♍54	20°25	12°20	25°22	7°54	16° 7	0°16	29°16	28°52	13°D14	14°58	8°59	4°D57	M 8
T 9	7 37 39	25°17'21	24°49	22° 5	13°31	26° 1	7°56	16° 2	0°20	29°17	28°51	13°15	14°55	9° 6	4°57	T 9
W10	7 41 35	26°18'19	8♎15	23°47	14°42	26°41	7°57	15°57	0°23	29°19	28°50	13°16	14°52	9°12	4°57	W10
T 11	7 45 32	27°19'15	21°15	25°28	15°53	27°20	7°58	15°52	0°26	29°20	28°50	13°17	14°48	9°19	4°57	T 11
F 12	7 49 28	28°20'11	3♏53	27°11	17° 5	27°59	7°59	15°48	0°29	29°21	28°49	13°R17	14°45	9°26	4°57	F 12
S 13	7 53 25	29°21'07	16°14	28°54	18°16	28°39	7°59	15°43	0°33	29°23	28°49	13°15	14°42	9°32	4°57	S 13
S 14	7 57 21	0♒22'01	28°21	0♒38	19°28	29°18	8° 0	15°38	0°36	29°24	28°48	13°12	14°39	9°39	4°58	S 14
M15	8 1 18	1°22'55	10♐19	2°23	20°39	29°57	8° 0	15°33	0°39	29°25	28°48	13° 6	14°36	9°46	4°58	M15
T 16	8 5 15	2°23'47	22°12	4° 9	21°51	0♐37	8°R 0	15°29	0°42	29°27	28°47	12°59	14°32	9°53	4°59	T 16
W17	8 9 11	3°24'39	4♑ 3	5°55	23° 2	1°16	8° 0	15°24	0°46	29°28	28°47	12°51	14°29	9°59	4°59	W17
T 18	8 13 8	4°25'29	15°54	7°41	24°14	1°55	8° 0	15°20	0°49	29°29	28°47	12°43	14°26	10° 6	5° 0	T 18
F 19	8 17 4	5°26'18	27°47	9°29	25°26	2°35	8° 0	15°15	0°52	29°30	28°46	12°36	14°23	10°13	5° 1	F 19
S 20	8 21 1	6°27'06	9♒44	11°17	26°38	3°14	7°59	15°11	0°55	29°31	28°46	12°31	14°20	10°19	5° 1	S 20
S 21	8 24 57	7°27'53	21°46	13° 5	27°50	3°53	7°58	15° 6	0°58	29°33	28°46	12°27	14°17	10°26	5° 2	S 21
M22	8 28 54	8°28'38	3♓56	14°54	29° 2	4°33	7°57	15° 2	1° 1	29°34	28°45	12°25	14°13	10°33	5° 3	M22
T 23	8 32 50	9°29'21	16°14	16°43	0♑13	5°12	7°56	14°58	1° 4	29°35	28°45	12°D24	14°10	10°40	5° 4	T 23
W24	8 36 47	10°30'03	28°43	18°33	1°26	5°51	7°55	14°54	1° 7	29°36	28°45	12°25	14° 7	10°46	5° 5	W24
T 25	8 40 44	11°30'43	11♈26	20°22	2°38	6°30	7°53	14°49	1°10	29°37	28°44	12°27	14° 4	10°53	5° 6	T 25
F 26	8 44 40	12°31'22	24°26	22°12	3°50	7°10	7°51	14°45	1°13	29°38	28°44	12°29	14° 1	11° 0	5° 7	F 26
S 27	8 48 37	13°31'59	7♉45	24° 1	5° 2	7°49	7°49	14°41	1°16	29°39	28°44	12°R30	13°58	11° 6	5° 8	S 27
S 28	8 52 33	14°32'34	21°26	25°50	6°14	8°28	7°47	14°37	1°19	29°40	28°44	12°30	13°54	11°13	5°10	S 28
M29	8 56 30	15°33'07	5♊29	27°38	7°26	9° 8	7°45	14°33	1°22	29°40	28°44	12°28	13°51	11°20	5°11	M29
T 30	9 0 26	16°33'38	19°55	29°25	8°39	9°47	7°42	14°30	1°24	29°41	28°43	12°26	13°48	11°26	5°12	T 30
W31	9 4 23	17♒34'08	4♋38	1♓11	9♑51	10♐26	7♎40	14♋26	1♑27	29♏42	28♉43	12♓22	13♓45	11♑33	5♉14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s27	24n 4	4n51	24s48	1s33	18s42	2n24	17s27	0n37	1s45	1n25	22n32	0n 2	23s48	0s15	18s27	1n38	9n 5	11s11	6s21	5s48	28s 2	12n18	1s 0
T 2	22 19	27 12	5 5	24 45	1 38	18 57	2 22	17 37	0 36	1 46	1 25	22 33	0 2	23 48	0 15	18 27	1 38	9 6	11 11	6 23	5 50	28 1	12 18	1 0
W 3	22 10	28 28	4 58	24 41	1 42	19 12	2 20	17 48	0 36	1 47	1 25	22 33	0 2	23 48	0 15	18 28	1 38	9 6	11 10	6 27	5 51	28 0	12 18	1 0
T 4	22 1	27 34	4 31	24 35	1 45	19 26	2 17	17 59	0 35	1 47	1 25	22 34	0 2	23 48	0 15	18 28	1 38	9 6	11 10	6 30	5 52	27 59	12 18	1 0
F 5	21 52	24 36	3 44	24 27	1 49	19 39	2 15	18 9	0 34	1 48	1 26	22 35	0 2	23 48	0 15	18 28	1 38	9 6	11 10	6 33	5 53	27 59	12 18	1 0
S 6	21 42	19 56	2 41	24 18	1 52	19 52	2 12	18 20	0 34	1 49	1 26	22 35	0 2	23 48	0 15	18 28	1 38	9 6	11 10	6 35	5 55	27 58	12 18	1 0
S 7	21 32	14 8	1 29	24 7	1 55	20 5	2 10	18 30	0 33	1 49	1 26	22 36	0 2	23 48	0 15	18 29	1 38	9 6	11 9	6 37	5 56	27 57	12 18	1 0
M 8	21 22	7 43	0 13	23 55	1 57	20 17	2 7	18 40	0 33	1 49	1 27	22 37	0 2	23 48	0 15	18 29	1 38	9 6	11 9	6 37	5 57	27 56	12 18	1 0
T 9	21 11	1 7	1s 2	23 41	1 59	20 28	2 4	18 50	0 32	1 50	1 27	22 38	0 2	23 48	0 15	18 29	1 39	9 6	11 9	6 37	5 58	27 55	12 18	1 0
W10	20 59	5s17	2 11	23 26	2 1	20 40	2 1	19 0	0 31	1 50	1 27	22 38	0 3	23 48	0 15	18 30	1 39	9 6	11 9	6 36	5 59	27 55	12 18	1 0
T 11	20 48	11 16	3 10	23 9	2 2	20 50	1 59	19 10	0 31	1 50	1 27	22 39	0 3	23 48	0 15	18 30	1 39	9 6	11 9	6 36	6 1	27 54	12 18	1 0
F 12	20 35	16 37	3 59	22 50	2 3	21 0	1 56	19 19	0 30	1 50	1 28	22 40	0 3	23 48	0 15	18 30	1 39	9 7	11 8	6 36	6 2	27 53	12 18	1 0
S 13	20 23	21 10	4 35	22 29	2 4	21 9	1 53	19 29	0 29	1 50	1 28	22 40	0 3	23 48	0 15	18 30	1 39	9 7	11 8	6 37	6 3	27 52	12 18	1 0
S 14	20 10	24 44	4 59	22 7	2 4	21 18	1 50	19 38	0 29	1 50	1 28	22 41	0 3	23 48	0 15	18 31	1 39	9 7	11 8	6 38	6 4	27 51	12 18	1 0
M15	19 57	27 11	5 8	21 43	2 3	21 27	1 47	19 47	0 28	1 50	1 28	22 42	0 3	23 48	0 15	18 31	1 39	9 7	11 8	6 40	6 6	27 50	12 18	1 0
T 16	19 43	28 24	5 5	21 18	2 3	21 34	1 44	19 56	0 27	1 50	1 29	22 42	0 3	23 48	0 15	18 31	1 39	9 7	11 7	6 43	6 7	27 49	12 18	1 0
W17	19 29	28 17	4 48	20 51	2 1	21 42	1 41	20 5	0 27	1 50	1 29	22 43	0 3	23 48	0 15	18 31	1 39	9 7	11 7	6 46	6 8	27 48	12 18	1 0
T 18	19 15	26 53	4 19	20 22	2 0	21 48	1 38	20 13	0 26	1 49	1 29	22 43	0 3	23 48	0 15	18 32	1 39	9 8	11 7	6 49	6 9	27 47	12 18	1 0
F 19	19 0	24 16	3 39	19 51	1 57	21 54	1 34	20 22	0 25	1 49	1 30	22 44	0 4	23 48	0 15	18 32	1 39	9 8	11 7	6 52	6 11	27 47	12 19	1 0
S 20	18 45	20 36	2 48	19 19	1 54	21 59	1 31	20 30	0 24	1 48	1 30	22 45	0 4	23 48	0 15	18 32	1 39	9 8	11 6	6 54	6 12	27 46	12 19	1 0
S 21	18 29	16 3	1 50	18 44	1 51	22 4	1 28	20 38	0 24	1 48	1 30	22 45	0 4	23 48	0 15	18 32	1 39	9 8	11 6	6 55	6 13	27 45	12 19	1 0
M22	18 14	10 50	0 46	18 9	1 47	22 8	1 25	20 46	0 23	1 47	1 30	22 46	0 4	23 48	0 15	18 32	1 39	9 8	11 6	6 56	6 14	27 44	12 19	1 0
T 23	17 58	5 8	0n21	17 32	1 43	22 12	1 21	20 54	0 22	1 46	1 31	22 46	0 4	23 48	0 15	18 33	1 39	9 8	11 5	6 56	6 15	27 43	12 20	1 0
W24	17 41	0n50	1 28	16 53	1 37	22 15	1 18	21 2	0 21	1 46	1 31	22 47	0 4	23 48	0 15	18 33	1 39	9 9	11 5	6 56	6 17	27 42	12 20	1 0
T 25	17 25	6 53	2 32	16 13	1 31	22 17	1 15	21 10	0 21	1 45	1 31	22 48	0 4	23 48	0 15	18 33	1 39	9 9	11 5	6 55	6 18	27 41	12 20	1 0
F 26	17 8	12 46	3 30	15 31	1 25	22 18	1 11	21 17	0 20	1 44	1 31	22 48	0 4	23 48	0 15	18 33	1 39	9 9	11 5	6 55	6 19	27 40	12 21	1 0
S 27	16 50	18 13	4 18	14 48	1 18	22 19	1 8	21 24	0 19	1 43	1 32	22 49	0 4	23 48	0 15	18 33	1 39	9 9	11 4	6 54	6 20	27 39	12 21	1 0
S 28	16 33	22 55	4 53	14 4	1 10	22 20	1 5	21 31	0 18	1 42	1 32	22 49	0 5	23 48	0 15	18 33	1 39	9 10	11 4	6 54	6 22	27 38	12 22	1 0
M29	16 15	26 25	5 11	13 19	1 1	22 19	1 1	21 38	0 17	1 41	1 32	22 50	0 5	23 48	0 15	18 33	1 39	9 10	11 4	6 55	6 23	27 37	12 22	1 0
T 30	15 57	28 20	5 11	12 33	0 52	22 18	0 58	21 45	0 17	1 39	1 32	22 50	0 5	23 48	0 15	18 34	1 39	9 10	11 4	6 56	6 24	27 36	12 22	1 0
W31	15s38	28n19	4n51	11s46	0s42	22s17	0n54	21s52	0n16	1s38	1n33	22n51	0n 5	23s48	0s15	18s34	1n40	9n10	11s 3	6s57	6s25	27s35	12n23	1s 0

Julian Day Number = 2141460.5, Delta T = 15m15s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'12, Lahiri = 12°01'12 Julian Calendar 1 Jan. 1151 == Greg. Calendar 8 Jan. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

FEBRUARY 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 8 19	18♒34'35	19♋35	2♓55	11♉ 3	11♐ 5	7°R37	14°R22	1♉30	29♏43	28°R43	12°R19	13♓42	11♉40	5♉15	T 1
F 2	9 12 16	19°35'01	4♌37	4°36	12°16	11°45	7♎34	14♋19	1°33	29°44	28♉43	12♓16	13°38	11°47	5°17	F 2
S 3	9 16 13	20°35'25	19°34	6°15	13°28	12°24	7°30	14°15	1°35	29°44	28°43	12°14	13°35	11°53	5°18	S 3
S 4	9 20 9	21°35'47	4♍19	7°51	14°41	13° 3	7°27	14°12	1°38	29°45	28°43	12°13	13°32	12° 0	5°20	S 4
M 5	9 24 6	22°36'07	18°45	9°23	15°53	13°43	7°23	14° 8	1°40	29°46	28°D43	12°D13	13°29	12° 7	5°22	M 5
T 6	9 28 2	23°36'26	2♎46	10°50	17° 6	14°22	7°20	14° 5	1°43	29°46	28°43	12°13	13°26	12°13	5°24	T 6
W 7	9 31 59	24°36'44	16°21	12°13	18°18	15° 1	7°16	14° 2	1°46	29°47	28°43	12°15	13°23	12°20	5°25	W 7
T 8	9 35 55	25°36'59	29°29	13°30	19°31	15°40	7°12	13°59	1°48	29°47	28°43	12°16	13°19	12°27	5°27	T 8
F 9	9 39 52	26°37'14	12♏15	14°40	20°44	16°20	7° 7	13°56	1°50	29°48	28°43	12°17	13°16	12°34	5°29	F 9
S 10	9 43 48	27°37'26	24°40	15°44	21°56	16°59	7° 3	13°53	1°53	29°48	28°43	12°R18	13°13	12°40	5°31	S 10
S 11	9 47 45	28°37'38	6♐50	16°40	23° 9	17°38	6°58	13°50	1°55	29°49	28°43	12°17	13°10	12°47	5°33	S 11
M12	9 51 42	29°37'47	18°49	17°28	24°22	18°17	6°54	13°48	1°58	29°49	28°44	12°17	13° 7	12°54	5°35	M12
T 13	9 55 38	0♓37'55	0♑42	18° 8	25°34	18°56	6°49	13°45	2° 0	29°50	28°44	12°15	13° 4	13° 0	5°38	T 13
W14	9 59 35	1°38'02	12°32	18°39	26°47	19°36	6°44	13°43	2° 2	29°50	28°44	12°14	13° 0	13° 7	5°40	W14
T 15	10 3 31	2°38'06	24°24	19° 1	28° 0	20°15	6°39	13°40	2° 4	29°50	28°44	12°12	12°57	13°14	5°42	T 15
F 16	10 7 28	3°38'09	6♒20	19°14	29°13	20°54	6°33	13°38	2° 6	29°51	28°44	12°11	12°54	13°20	5°44	F 16
S 17	10 11 24	4°38'10	18°24	19°R18	0♒26	21°33	6°28	13°36	2° 9	29°51	28°45	12°10	12°51	13°27	5°47	S 17
S 18	10 15 21	5°38'09	0♓37	19°13	1°39	22°12	6°22	13°34	2°11	29°51	28°45	12° 9	12°48	13°34	5°49	S 18
M19	10 19 17	6°38'06	13° 1	18°59	2°51	22°51	6°16	13°32	2°13	29°51	28°45	12°D 9	12°44	13°41	5°52	M19
T 20	10 23 14	7°38'01	25°36	18°37	4° 4	23°31	6°10	13°30	2°15	29°51	28°46	12° 9	12°41	13°47	5°54	T 20
W21	10 27 11	8°37'54	8♈25	18° 7	5°17	24°10	6° 4	13°28	2°17	29°52	28°46	12°10	12°38	13°54	5°57	W21
T 22	10 31 7	9°37'45	21°27	17°30	6°30	24°49	5°58	13°26	2°18	29°52	28°46	12°10	12°35	14° 1	5°59	T 22
F 23	10 35 4	10°37'34	4♉42	16°47	7°43	25°28	5°52	13°25	2°20	29°52	28°47	12°10	12°32	14° 7	6° 2	F 23
S 24	10 39 0	11°37'21	18°12	15°59	8°56	26° 7	5°45	13°23	2°22	29°R52	28°47	12°10	12°29	14°14	6° 5	S 24
S 25	10 42 57	12°37'05	1♊57	15° 8	10° 9	26°46	5°39	13°22	2°24	29°52	28°47	12°R10	12°25	14°21	6° 7	S 25
M26	10 46 53	13°36'47	15°55	14°13	11°22	27°25	5°32	13°21	2°26	29°52	28°48	12°D10	12°22	14°27	6°10	M26
T 27	10 50 50	14°36'27	0♋ 7	13°17	12°35	28° 4	5°26	13°19	2°27	29°51	28°48	12°11	12°19	14°34	6°13	T 27
W28	10 54 46	15♓36'04	14♋30	12♓21	13♒48	28♐43	5♎19	13♋18	2♉29	29♏51	28♉49	12♓11	12♓16	14♉41	6♉16	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s20	26n14	4n10	10s58	0s31	22s15	0n51	21s58	0n15	1s37	1n33	22n51	0n 5	23s48	0s15	18s34	1n40	9n11	11s 3	6s58	6s26	27s34	12n23	1s 0	T 1
F 2	15 1	22 19	3 12	10 11	0 20	22 12	0 48	22 4	0 14	1 35	1 33	22 52	0 5	23 48	0 15	18 34	1 40	9 11	11 3	6 59	6 28	27 33	12 24	1 0	F 2
S 3	14 42	16 56	2 1	9 23	0 8	22 8	0 44	22 10	0 13	1 34	1 33	22 52	0 5	23 48	0 15	18 34	1 40	9 11	11 3	7 0	6 29	27 32	12 24	1 0	S 3
S 4	14 22	10 38	0 43	8 36	0n 4	22 4	0 41	22 16	0 12	1 32	1 34	22 53	0 5	23 48	0 15	18 34	1 40	9 11	11 2	7 1	6 30	27 31	12 25	1 0	S 4
M 5	14 3	3 55	0s36	7 49	0 18	21 59	0 37	22 22	0 11	1 31	1 34	22 53	0 5	23 48	0 15	18 34	1 40	9 12	11 2	7 1	6 31	27 30	12 25	1 0	M 5
T 6	13 43	2s48	1 51	7 3	0 31	21 54	0 34	22 27	0 10	1 29	1 34	22 54	0 5	23 48	0 15	18 34	1 40	9 12	11 2	7 0	6 33	27 29	12 26	1 0	T 6
W 7	13 23	9 11	2 57	6 19	0 45	21 47	0 31	22 33	0 10	1 27	1 34	22 54	0 6	23 48	0 15	18 34	1 40	9 12	11 1	7 0	6 34	27 28	12 27	1 0	W 7
T 8	13 2	14 58	3 52	5 36	1 0	21 41	0 27	22 38	0 9	1 25	1 35	22 54	0 6	23 48	0 15	18 34	1 40	9 12	11 1	6 59	6 35	27 27	12 27	1 0	T 8
F 9	12 42	19 55	4 34	4 55	1 14	21 33	0 24	22 43	0 8	1 23	1 35	22 55	0 6	23 48	0 15	18 34	1 40	9 13	11 1	6 59	6 36	27 26	12 28	1 0	F 9
S 10	12 21	23 54	5 1	4 17	1 29	21 25	0 20	22 48	0 7	1 21	1 35	22 55	0 6	23 48	0 15	18 35	1 40	9 13	11 1	6 59	6 38	27 24	12 28	1 0	S 10
S 11	12 0	26 43	5 15	3 42	1 44	21 16	0 17	22 53	0 6	1 19	1 35	22 56	0 6	23 48	0 15	18 35	1 40	9 13	11 0	6 59	6 39	27 23	12 29	1 0	S 11
M12	11 39	28 18	5 14	3 9	1 59	21 7	0 14	22 57	0 5	1 17	1 35	22 56	0 6	23 48	0 15	18 35	1 40	9 14	11 0	6 59	6 40	27 22	12 30	1 0	M12
T 13	11 18	28 33	5 0	2 41	2 13	20 57	0 11	23 2	0 4	1 15	1 36	22 56	0 6	23 47	0 15	18 35	1 40	9 14	11 0	7 0	6 41	27 21	12 31	1 1	T 13
W14	10 57	27 29	4 33	2 16	2 27	20 47	0 7	23 6	0 3	1 13	1 36	22 57	0 6	23 47	0 15	18 35	1 40	9 14	10 59	7 0	6 42	27 20	12 31	1 1	W14
T 15	10 35	25 11	3 55	1 55	2 40	20 36	0 4	23 10	0 2	1 11	1 36	22 57	0 6	23 47	0 15	18 35	1 40	9 14	10 59	7 1	6 44	27 19	12 32	1 1	T 15
F 16	10 13	21 46	3 6	1 38	2 52	20 24	0 1	23 14	0 1	1 9	1 36	22 57	0 6	23 47	0 15	18 35	1 40	9 15	10 59	7 1	6 45	27 18	12 33	1 1	F 16
S 17	9 51	17 25	2 8	1 26	3 4	20 12	0s 2	23 17	0s 0	1 6	1 36	22 58	0 6	23 47	0 15	18 35	1 40	9 15	10 59	7 2	6 46	27 17	12 33	1 1	S 17
S 18	9 29	12 18	1 4	1 19	3 14	19 59	0 6	23 21	0 1	1 4	1 37	22 58	0 7	23 47	0 15	18 35	1 40	9 15	10 58	7 2	6 47	27 15	12 34	1 1	S 18
M19	9 7	6 38	0n 5	1 16	3 22	19 45	0 9	23 24	0 2	1 1	1 37	22 58	0 7	23 47	0 15	18 35	1 40	9 16	10 58	7 2	6 49	27 14	12 35	1 1	M19
T 20	8 45	0 37	1 14	1 19	3 30	19 31	0 12	23 27	0 3	0 59	1 37	22 59	0 7	23 47	0 15	18 35	1 41	9 16	10 58	7 2	6 50	27 13	12 36	1 1	T 20
W21	8 22	5n30	2 21	1 25	3 35	19 16	0 15	23 30	0 5	0 56	1 37	22 59	0 7	23 47	0 15	18 35	1 41	9 16	10 58	7 2	6 51	27 12	12 37	1 1	W21
T 22	8 0	11 30	3 21	1 36	3 39	19 1	0 18	23 33	0 6	0 54	1 37	22 59	0 7	23 47	0 15	18 35	1 41	9 17	10 57	7 2	6 52	27 11	12 37	1 1	T 22
F 23	7 37	17 6	4 12	1 51	3 41	18 46	0 21	23 35	0 7	0 51	1 37	22 59	0 7	23 47	0 15	18 35	1 41	9 17	10 57	7 2	6 53	27 10	12 38	1 1	F 23
S 24	7 14	21 58	4 50	2 10	3 41	18 29	0 24	23 37	0 8	0 48	1 38	23 0	0 7	23 47	0 16	18 35	1 41	9 17	10 57	7 2	6 55	27 8	12 39	1 1	S 24
S 25	6 51	25 44	5 12	2 32	3 39	18 13	0 27	23 40	0 9	0 46	1 38	23 0	0 7	23 47	0 16	18 34	1 41	9 18	10 56	7 2	6 56	27 7	12 40	1 1	S 25
M26	6 28	28 3	5 17	2 56	3 34	17 55	0 29	23 42	0 10	0 43	1 38	23 0	0 7	23 47	0 16	18 34	1 41	9 18	10 56	7 2	6 57	27 6	12 41	1 1	M26
T 27	6 5	28 35	5 2	3 23	3 28	17 37	0 32	23 44	0 11	0 40	1 38	23 0	0 7	23 47	0 16	18 34	1 41	9 18	10 56	7 2	6 58	27 5	12 42	1 1	T 27
W28	5s42	27n12	4n28	3s52	3n21	17s19	0s35	23s45	0s12	0s37	1n38	23n 0	0n 8	23s47	0s16	18s34	1n41	9n19	10s56	7s 1	6s59	27s 4	12n43	1s 1	W28

Julian Day Number = 2141491.5, Delta T = 15m15s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'16, Lahiri = 12°01'17 Julian Calendar 1 Feb. 1151 == Greg. Calendar 8 Feb. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

MARCH 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 58 43	16♓35'39	29♋ 1	11°R26	15♒ 1	29♐22	5°R12	13°R17	2♑30	29°R51	28♉49	12♓11	12♓13	14♑48	6♉19	T 1
F 2	11 2 40	17°35'11	13♌34	10♓33	16°14	0♑ 1	5♎ 5	13♋17	2°32	29♏51	28°50	12°12	12°10	14°54	6°22	F 2
S 3	11 6 36	18°34'42	28° 6	9°43	17°27	0°40	4°58	13°16	2°33	29°51	28°50	12°12	12° 6	15° 1	6°25	S 3
S 4	11 10 33	19°34'10	12♍31	8°57	18°40	1°18	4°51	13°15	2°35	29°51	28°51	12°R12	12° 3	15° 8	6°28	S 4
M 5	11 14 29	20°33'36	26°42	8°15	19°53	1°57	4°44	13°15	2°36	29°50	28°52	12°12	12° 0	15°14	6°31	M 5
T 6	11 18 26	21°32'59	10♎35	7°39	21° 7	2°36	4°36	13°14	2°38	29°50	28°52	12°11	11°57	15°21	6°34	T 6
W 7	11 22 22	22°32'21	24° 8	7° 7	22°20	3°15	4°29	13°14	2°39	29°50	28°53	12°10	11°54	15°28	6°37	W 7
T 8	11 26 19	23°31'41	7♏18	6°42	23°33	3°54	4°21	13°14	2°40	29°49	28°53	12° 9	11°50	15°34	6°40	T 8
F 9	11 30 15	24°30'59	20° 8	6°22	24°46	4°33	4°14	13°D14	2°41	29°49	28°54	12° 7	11°47	15°41	6°44	F 9
S 10	11 34 12	25°30'16	2♐37	6° 9	25°59	5°11	4° 6	13°14	2°42	29°48	28°55	12° 6	11°44	15°48	6°47	S 10
S 11	11 38 8	26°29'30	14°51	6° 1	27°12	5°50	3°59	13°14	2°44	29°48	28°55	12° 5	11°41	15°55	6°50	S 11
M12	11 42 5	27°28'43	26°52	5°D58	28°25	6°29	3°51	13°14	2°45	29°47	28°56	12°D 4	11°38	16° 1	6°54	M12
T 13	11 46 2	28°27'54	8♑46	6° 2	29°39	7° 7	3°44	13°15	2°46	29°47	28°57	12° 4	11°35	16° 8	6°57	T 13
W14	11 49 58	29°27'03	20°37	6°11	0♓52	7°46	3°36	13°15	2°47	29°46	28°58	12° 5	11°31	16°15	7° 0	W14
T 15	11 53 55	0♈26'10	2♒30	6°25	2° 5	8°25	3°28	13°16	2°47	29°46	28°59	12° 7	11°28	16°21	7° 4	T 15
F 16	11 57 51	1°25'15	14°29	6°44	3°18	9° 3	3°21	13°17	2°48	29°45	28°59	12° 8	11°25	16°28	7° 7	F 16
S 17	12 1 48	2°24'19	26°38	7° 8	4°31	9°42	3°13	13°18	2°49	29°44	29° 0	12°10	11°22	16°35	7°11	S 17
S 18	12 5 44	3°23'20	9♓ 1	7°36	5°45	10°20	3° 5	13°18	2°50	29°44	29° 1	12°R10	11°19	16°41	7°14	S 18
M19	12 9 41	4°22'20	21°39	8° 9	6°58	10°59	2°57	13°20	2°50	29°43	29° 2	12°10	11°15	16°48	7°18	M19
T 20	12 13 37	5°21'17	4♈34	8°46	8°11	11°37	2°50	13°21	2°51	29°42	29° 3	12° 9	11°12	16°55	7°22	T 20
W21	12 17 34	6°20'12	17°45	9°26	9°24	12°15	2°42	13°22	2°52	29°41	29° 4	12° 6	11° 9	17° 2	7°25	W21
T 22	12 21 31	7°19'06	1♉12	10°11	10°37	12°54	2°34	13°23	2°52	29°41	29° 4	12° 3	11° 6	17° 8	7°29	T 22
F 23	12 25 27	8°17'57	14°53	10°59	11°51	13°32	2°27	13°25	2°53	29°40	29° 5	11°59	11° 3	17°15	7°33	F 23
S 24	12 29 24	9°16'46	28°46	11°50	13° 4	14°10	2°19	13°26	2°53	29°39	29° 6	11°55	11° 0	17°22	7°36	S 24
S 25	12 33 20	10°15'33	12♊46	12°44	14°17	14°48	2°11	13°28	2°53	29°38	29° 7	11°52	10°56	17°28	7°40	S 25
M26	12 37 17	11°14'17	26°53	13°42	15°30	15°27	2° 4	13°30	2°54	29°37	29° 8	11°50	10°53	17°35	7°44	M26
T 27	12 41 13	12°13'00	11♋ 3	14°42	16°44	16° 5	1°56	13°32	2°54	29°36	29° 9	11°D49	10°50	17°42	7°48	T 27
W28	12 45 10	13°11'39	25°15	15°45	17°57	16°43	1°49	13°34	2°54	29°35	29°10	11°49	10°47	17°48	7°51	W28
T 29	12 49 6	14°10'17	9♌26	16°50	19°10	17°21	1°41	13°36	2°54	29°34	29°11	11°51	10°44	17°55	7°55	T 29
F 30	12 53 3	15° 8'52	23°34	17°58	20°23	17°59	1°34	13°38	2°55	29°33	29°12	11°52	10°41	18° 2	7°59	F 30
S 31	12 57 0	16♈ 7'25	7♍38	19♓ 9	21♓37	18♑36	1♎27	13♋41	2♑55	29♏32	29♉13	11°R53	10♓37	18♑ 9	8♉ 3	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s19	24n 0	3n37	4s22	3n11	17s 0	0s38	23s47	0s14	0s34	1n38	23n 1	0n 8	23s47	0s16	18s34	1n41	9n19	10s55	7s 1	7s 1	27s 2	12n44	1s 1
F 2	4 56	19 15	2 32	4 52	3 1	16 41	0 40	23 48	0 15	0 32	1 38	23 1	0 8	23 47	0 16	18 34	1 41	9 20	10 55	7 1	7 2	27 1	12 45	1 1
S 3	4 32	13 24	1 17	5 22	2 48	16 21	0 43	23 49	0 16	0 29	1 38	23 1	0 8	23 47	0 16	18 34	1 41	9 20	10 55	7 1	7 3	27 0	12 46	1 1
S 4	4 9	6 52	0s 2	5 51	2 35	16 1	0 45	23 50	0 17	0 26	1 39	23 1	0 8	23 47	0 16	18 34	1 41	9 20	10 55	7 1	7 4	26 59	12 47	1 1
M 5	3 45	0 6	1 19	6 20	2 21	15 40	0 48	23 51	0 19	0 23	1 39	23 1	0 8	23 47	0 16	18 34	1 41	9 21	10 54	7 1	7 6	26 57	12 48	1 1
T 6	3 22	6s31	2 31	6 47	2 7	15 19	0 50	23 51	0 20	0 20	1 39	23 1	0 8	23 47	0 16	18 34	1 41	9 21	10 54	7 1	7 7	26 56	12 49	1 1
W 7	2 58	12 41	3 32	7 12	1 52	14 58	0 53	23 52	0 21	0 17	1 39	23 2	0 8	23 47	0 16	18 34	1 41	9 21	10 54	7 2	7 8	26 55	12 50	1 1
T 8	2 35	18 6	4 20	7 36	1 37	14 36	0 55	23 52	0 22	0 14	1 39	23 2	0 8	23 47	0 16	18 33	1 41	9 22	10 54	7 2	7 9	26 53	12 51	1 1
F 9	2 11	22 34	4 53	7 58	1 21	14 14	0 57	23 52	0 24	0 11	1 39	23 2	0 8	23 47	0 16	18 33	1 41	9 22	10 53	7 3	7 10	26 52	12 52	1 1
S 10	1 48	25 53	5 12	8 17	1 6	13 51	0 59	23 52	0 25	0 8	1 39	23 2	0 8	23 47	0 16	18 33	1 41	9 23	10 53	7 3	7 12	26 51	12 53	1 1
S 11	1 24	27 55	5 16	8 34	0 51	13 28	1 2	23 52	0 26	0 5	1 39	23 2	0 8	23 47	0 16	18 33	1 42	9 23	10 53	7 4	7 13	26 50	12 54	1 1
M12	1 0	28 37	5 6	8 49	0 36	13 4	1 4	23 51	0 28	0 1	1 39	23 2	0 9	23 47	0 16	18 33	1 42	9 23	10 53	7 4	7 14	26 48	12 55	1 1
T 13	0 37	27 58	4 43	9 1	0 21	12 41	1 6	23 51	0 29	0n 2	1 39	23 2	0 9	23 47	0 16	18 33	1 42	9 24	10 52	7 4	7 15	26 47	12 56	1 1
W14	0 13	26 2	4 8	9 11	0 7	12 16	1 8	23 50	0 30	0 5	1 39	23 2	0 9	23 47	0 16	18 32	1 42	9 24	10 52	7 4	7 17	26 46	12 57	1 1
T 15	0n10	22 58	3 22	9 18	0s 7	11 52	1 10	23 49	0 32	0 8	1 39	23 2	0 9	23 47	0 16	18 32	1 42	9 24	10 52	7 3	7 18	26 44	12 58	1 2
F 16	0 34	18 54	2 27	9 23	0 20	11 27	1 11	23 48	0 33	0 11	1 39	23 2	0 9	23 47	0 16	18 32	1 42	9 25	10 52	7 2	7 19	26 43	12 59	1 2
S 17	0 58	14 1	1 25	9 26	0 33	11 2	1 13	23 46	0 35	0 14	1 39	23 2	0 9	23 47	0 16	18 32	1 42	9 25	10 51	7 2	7 20	26 42	13 0	1 2
S 18	1 21	8 30	0 17	9 27	0 45	10 36	1 15	23 45	0 36	0 17	1 39	23 2	0 9	23 47	0 16	18 32	1 42	9 26	10 51	7 2	7 21	26 40	13 1	1 2
M19	1 45	2 32	0n52	9 25	0 56	10 11	1 16	23 43	0 38	0 20	1 39	23 2	0 9	23 47	0 16	18 32	1 42	9 26	10 51	7 2	7 23	26 39	13 2	1 2
T 20	2 8	3n39	2 0	9 22	1 7	9 45	1 18	23 41	0 39	0 23	1 39	23 2	0 9	23 47	0 16	18 31	1 42	9 26	10 51	7 2	7 24	26 37	13 4	1 2
W21	2 32	9 49	3 3	9 16	1 18	9 18	1 19	23 39	0 41	0 26	1 39	23 2	0 9	23 47	0 16	18 31	1 42	9 27	10 51	7 3	7 25	26 36	13 5	1 2
T 22	2 55	15 39	3 57	9 8	1 27	8 52	1 21	23 37	0 42	0 29	1 39	23 2	0 9	23 47	0 16	18 31	1 42	9 27	10 50	7 5	7 26	26 35	13 6	1 2
F 23	3 18	20 49	4 39	8 58	1 36	8 25	1 22	23 35	0 44	0 32	1 39	23 2	0 9	23 47	0 16	18 31	1 42	9 28	10 50	7 6	7 27	26 33	13 7	1 2
S 24	3 42	24 56	5 5	8 46	1 45	7 58	1 24	23 32	0 45	0 35	1 39	23 2	0 10	23 47	0 16	18 31	1 42	9 28	10 50	7 8	7 29	26 32	13 8	1 2
S 25	4 5	27 36	5 13	8 33	1 53	7 31	1 25	23 30	0 47	0 38	1 39	23 2	0 10	23 47	0 16	18 30	1 42	9 28	10 50	7 9	7 30	26 30	13 9	1 2
M26	4 28	28 33	5 2	8 17	2 0	7 3	1 26	23 27	0 48	0 41	1 39	23 1	0 10	23 47	0 16	18 30	1 42	9 29	10 50	7 10	7 31	26 29	13 11	1 2
T 27	4 51	27 38	4 33	8 0	2 7	6 36	1 27	23 24	0 50	0 44	1 39	23 1	0 10	23 47	0 16	18 30	1 42	9 29	10 49	7 10	7 32	26 28	13 12	1 2
W28	5 14	24 55	3 48	7 41	2 13	6 8	1 28	23 21	0 51	0 47	1 39	23 1	0 10	23 47	0 16	18 30	1 42	9 30	10 49	7 10	7 33	26 26	13 13	1 2
T 29	5 37	20 41	2 48	7 21	2 19	5 40	1 29	23 18	0 53	0 50	1 39	23 1	0 10	23 47	0 16	18 29	1 42	9 30	10 49	7 9	7 35	26 25	13 14	1 2
F 30	6 0	15 16	1 38	6 59	2 24	5 12	1 30	23 15	0 55	0 53	1 39	23 1	0 10	23 47	0 16	18 29	1 42	9 30	10 49	7 9	7 36	26 23	13 15	1 2
S 31	6n22	9n 6	0n23	6s35	2s28	4s44	1s31	23s11	0s56	0n56	1n39	23n 1	0n10	23s47	0s16	18s29	1n42	9n31	10s48	7s 8	7s37	26s22	13n16	1s 2

Julian Day Number = 2141519.5, Delta T = 15m15s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'20, Lahiri = 12°01'20 Julian Calendar 1 March 1151 == Greg. Calendar 8 March 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

APRIL 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 0 56	17♈ 5'56	21♍34	20♓22	22♓50	19♉14	1°R20	13♋43	2°R55	29°R31	29♉14	11°R53	10♓34	18♉15	8♉ 7	S 1
M 2	13 4 53	18° 4'25	5♎21	21°37	24° 3	19°52	1♎12	13°45	2♉55	29♏30	29°15	11♓51	10°31	18°22	8°11	M 2
T 3	13 8 49	19° 2'51	18°55	22°54	25°16	20°30	1° 5	13°48	2°55	29°29	29°16	11°47	10°28	18°29	8°15	T 3
W 4	13 12 46	20° 1'16	2♏14	24°13	26°30	21° 7	0°58	13°51	2°54	29°28	29°18	11°42	10°25	18°35	8°19	W 4
T 5	13 16 42	20°59'39	15°16	25°35	27°43	21°45	0°51	13°54	2°54	29°27	29°19	11°35	10°21	18°42	8°22	T 5
F 6	13 20 39	21°58'00	28° 1	26°59	28°56	22°22	0°45	13°57	2°54	29°25	29°20	11°28	10°18	18°49	8°26	F 6
S 7	13 24 35	22°56'20	10♐29	28°24	0♈ 9	23° 0	0°38	14° 0	2°54	29°24	29°21	11°21	10°15	18°55	8°30	S 7
S 8	13 28 32	23°54'38	22°42	29°52	1°23	23°37	0°31	14° 3	2°53	29°23	29°22	11°16	10°12	19° 2	8°34	S 8
M 9	13 32 29	24°52'54	4♉44	1♈21	2°36	24°15	0°25	14° 6	2°53	29°22	29°23	11°12	10° 9	19° 9	8°38	M 9
T 10	13 36 25	25°51'09	16°38	2°52	3°49	24°52	0°18	14° 9	2°53	29°20	29°24	11°10	10° 6	19°15	8°42	T 10
W11	13 40 22	26°49'22	28°29	4°26	5° 3	25°29	0°12	14°13	2°52	29°19	29°26	11°D 9	10° 2	19°22	8°47	W11
T 12	13 44 18	27°47'34	10♒22	6° 1	6°16	26° 6	0° 6	14°16	2°52	29°18	29°27	11°10	9°59	19°29	8°51	T 12
F 13	13 48 15	28°45'44	22°22	7°38	7°29	26°43	29♍59	14°20	2°51	29°17	29°28	11°11	9°56	19°36	8°55	F 13
S 14	13 52 11	29°43'53	4♓34	9°16	8°42	27°20	29°54	14°23	2°50	29°15	29°29	11°12	9°53	19°42	8°59	S 14
S 15	13 56 8	0♉42'00	17° 2	10°57	9°56	27°57	29°48	14°27	2°50	29°14	29°30	11°R12	9°50	19°49	9° 3	S 15
M16	14 0 4	1°40'05	29°50	12°40	11° 9	28°34	29°43	14°31	2°49	29°12	29°32	11°10	9°47	19°56	9° 7	M16
T 17	14 4 1	2°38'09	13♈ 0	14°24	12°22	29°10	29°37	14°35	2°48	29°11	29°33	11° 7	9°43	20° 2	9°11	T 17
W18	14 7 58	3°36'12	26°32	16°11	13°36	29°47	29°32	14°39	2°47	29°10	29°34	11° 1	9°40	20° 9	9°15	W18
T 19	14 11 54	4°34'12	10♉24	17°59	14°49	0♒23	29°26	14°43	2°47	29° 8	29°35	10°53	9°37	20°16	9°19	T 19
F 20	14 15 51	5°32'12	24°32	19°49	16° 2	1° 0	29°21	14°47	2°46	29° 7	29°37	10°44	9°34	20°22	9°23	F 20
S 21	14 19 47	6°30'09	8♊52	21°41	17°16	1°36	29°16	14°52	2°45	29° 5	29°38	10°35	9°31	20°29	9°27	S 21
S 22	14 23 44	7°28'05	23°17	23°35	18°29	2°12	29°11	14°56	2°44	29° 4	29°39	10°28	9°27	20°36	9°31	S 22
M23	14 27 40	8°25'59	7♋42	25°31	19°42	2°48	29° 7	15° 1	2°43	29° 2	29°40	10°22	9°24	20°42	9°36	M23
T 24	14 31 37	9°23'51	22° 3	27°28	20°56	3°24	29° 2	15° 5	2°42	29° 1	29°42	10°19	9°21	20°49	9°40	T 24
W25	14 35 33	10°21'42	6♌15	29°28	22° 9	4° 0	28°58	15°10	2°40	28°59	29°43	10°D18	9°18	20°56	9°44	W25
T 26	14 39 30	11°19'30	20°18	1♉29	23°22	4°36	28°54	15°14	2°39	28°58	29°44	10°18	9°15	21° 3	9°48	T 26
F 27	14 43 27	12°17'17	4♍11	3°31	24°35	5°11	28°50	15°19	2°38	28°56	29°46	10°R18	9°12	21° 9	9°52	F 27
S 28	14 47 23	13°15'02	17°54	5°36	25°49	5°47	28°46	15°24	2°37	28°55	29°47	10°18	9° 8	21°16	9°56	S 28
S 29	14 51 20	14°12'45	1♎26	7°42	27° 2	6°22	28°42	15°29	2°35	28°53	29°48	10°16	9° 5	21°23	10° 0	S 29
M30	14 55 16	15♉10'26	14♎48	9♉49	28♈15	6♒57	28♍39	15♋34	2♉34	28♏52	29♉50	10♓12	9♓ 2	21♉29	10♉ 4	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n45	2n33	0s53	6s 9	2s32	4s15	1s31	23s 7	0s58	0n59	1n39	23n 1	0n10	23s47	0s16	18s29	1n42	9n31	10s48	7s 8	7s38	26s20	13n18	1s 2
M 2	7 7	4s 2	2 4	5 43	2 35	3 47	1 32	23 4	1 0	1 1	1 39	23 0	0 10	23 48	0 16	18 28	1 42	9 32	10 48	7 9	7 40	26 19	13 19	1 2
T 3	7 30	10 20	3 8	5 14	2 37	3 18	1 32	23 0	1 2	1 4	1 38	23 0	0 10	23 48	0 16	18 28	1 42	9 32	10 48	7 11	7 41	26 17	13 20	1 2
W 4	7 52	16 3	4 0	4 45	2 39	2 49	1 33	22 56	1 3	1 7	1 38	23 0	0 10	23 48	0 16	18 28	1 42	9 33	10 48	7 13	7 42	26 16	13 21	1 3
T 5	8 14	20 54	4 38	4 13	2 41	2 20	1 33	22 51	1 5	1 9	1 38	23 0	0 11	23 48	0 16	18 27	1 43	9 33	10 48	7 15	7 43	26 14	13 23	1 3
F 6	8 36	24 42	5 1	3 41	2 42	1 51	1 34	22 47	1 7	1 12	1 38	23 0	0 11	23 48	0 16	18 27	1 43	9 33	10 47	7 18	7 44	26 13	13 24	1 3
S 7	8 58	27 13	5 9	3 7	2 42	1 22	1 34	22 42	1 9	1 15	1 38	22 59	0 11	23 48	0 16	18 27	1 43	9 34	10 47	7 20	7 46	26 11	13 25	1 3
S 8	9 19	28 24	5 3	2 32	2 42	0 53	1 34	22 38	1 10	1 17	1 38	22 59	0 11	23 48	0 16	18 27	1 43	9 34	10 47	7 22	7 47	26 10	13 26	1 3
M 9	9 41	28 12	4 44	1 55	2 41	0 24	1 34	22 33	1 12	1 20	1 38	22 59	0 11	23 48	0 16	18 26	1 43	9 35	10 47	7 24	7 48	26 8	13 27	1 3
T 10	10 2	26 41	4 12	1 18	2 40	0n 5	1 34	22 28	1 14	1 22	1 38	22 59	0 11	23 48	0 17	18 26	1 43	9 35	10 47	7 25	7 49	26 7	13 29	1 3
W11	10 23	23 59	3 30	0 39	2 38	0 34	1 34	22 23	1 16	1 24	1 37	22 58	0 11	23 48	0 17	18 26	1 43	9 35	10 47	7 25	7 50	26 5	13 30	1 3
T 12	10 44	20 16	2 39	0n 1	2 35	1 3	1 34	22 18	1 18	1 27	1 37	22 58	0 11	23 48	0 17	18 25	1 43	9 36	10 46	7 25	7 52	26 4	13 31	1 3
F 13	11 5	15 42	1 40	0 42	2 32	1 33	1 34	22 13	1 20	1 29	1 37	22 58	0 11	23 48	0 17	18 25	1 43	9 36	10 46	7 24	7 53	26 2	13 32	1 3
S 14	11 26	10 26	0 36	1 25	2 29	2 2	1 34	22 8	1 22	1 31	1 37	22 57	0 11	23 48	0 17	18 25	1 43	9 36	10 46	7 24	7 54	26 1	13 34	1 3
S 15	11 46	4 40	0n31	2 8	2 25	2 31	1 34	22 2	1 24	1 33	1 37	22 57	0 11	23 48	0 17	18 24	1 43	9 37	10 46	7 24	7 55	25 59	13 35	1 3
M16	12 7	1n27	1 39	2 52	2 20	3 0	1 33	21 57	1 26	1 35	1 37	22 57	0 11	23 48	0 17	18 24	1 43	9 37	10 46	7 24	7 56	25 57	13 36	1 3
T 17	12 27	7 39	2 42	3 38	2 15	3 29	1 33	21 51	1 28	1 38	1 36	22 56	0 11	23 48	0 17	18 24	1 43	9 38	10 46	7 26	7 58	25 56	13 37	1 3
W18	12 47	13 40	3 39	4 24	2 10	3 58	1 32	21 45	1 30	1 40	1 36	22 56	0 11	23 48	0 17	18 23	1 43	9 38	10 45	7 28	7 59	25 54	13 39	1 3
T 19	13 6	19 10	4 23	5 11	2 3	4 27	1 32	21 39	1 32	1 41	1 36	22 56	0 12	23 48	0 17	18 23	1 43	9 38	10 45	7 31	8 0	25 53	13 40	1 4
F 20	13 26	23 43	4 53	5 59	1 57	4 56	1 31	21 33	1 34	1 43	1 36	22 55	0 12	23 48	0 17	18 23	1 43	9 39	10 45	7 35	8 1	25 51	13 41	1 4
S 21	13 45	26 54	5 5	6 48	1 50	5 25	1 31	21 27	1 36	1 45	1 36	22 55	0 12	23 48	0 17	18 22	1 43	9 39	10 45	7 38	8 2	25 50	13 42	1 4
S 22	14 4	28 20	4 58	7 37	1 42	5 54	1 30	21 21	1 38	1 47	1 35	22 54	0 12	23 48	0 17	18 22	1 43	9 40	10 45	7 41	8 4	25 48	13 43	1 4
M23	14 23	27 51	4 31	8 27	1 34	6 22	1 29	21 15	1 40	1 49	1 35	22 54	0 12	23 48	0 17	18 22	1 43	9 40	10 45	7 43	8 5	25 46	13 45	1 4
T 24	14 41	25 30	3 48	9 17	1 26	6 51	1 28	21 9	1 42	1 50	1 35	22 54	0 12	23 48	0 17	18 21	1 43	9 40	10 45	7 44	8 6	25 45	13 46	1 4
W25	15 0	21 34	2 51	10 8	1 17	7 19	1 27	21 2	1 44	1 52	1 35	22 53	0 12	23 48	0 17	18 21	1 43	9 41	10 45	7 45	8 7	25 43	13 47	1 4
T 26	15 18	16 26	1 45	10 59	1 7	7 47	1 26	20 56	1 47	1 53	1 35	22 53	0 12	23 48	0 17	18 21	1 43	9 41	10 44	7 45	8 8	25 41	13 48	1 4
F 27	15 36	10 32	0 33	11 51	0 58	8 15	1 25	20 49	1 49	1 55	1 34	22 52	0 12	23 48	0 17	18 20	1 43	9 41	10 44	7 44	8 10	25 40	13 50	1 4
S 28	15 53	4 11	0s40	12 42	0 48	8 43	1 24	20 42	1 51	1 56	1 34	22 52	0 12	23 48	0 17	18 20	1 43	9 42	10 44	7 44	8 11	25 38	13 51	1 4
S 29	16 11	2s15	1 50	13 33	0 38	9 10	1 23	20 36	1 53	1 57	1 34	22 51	0 12	23 48	0 17	18 20	1 43	9 42	10 44	7 45	8 12	25 36	13 52	1 4
M30	16n28	8s30	2s53	14n23	0s28	9n38	1s22	20s29	1s56	1n58	1n34	22n51	0n12	23s49	0s17	18s19	1n43	9n43	10s44	7s47	8s13	25s35	13n53	1s 4

Julian Day Number = 2141550.5, Delta T = 15m15s
Ecliptic obliquity = 23°33'07, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'24, Lahiri = 12°01'25 Julian Calendar 1 Apr. 1151 == Greg. Calendar 8 Apr. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

MAY 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 59 13	16♉ 8'06	27♎59	11♉58	29♈29	7♒32	28°R35	15♋39	2°R33	28°R50	29♉51	10°R 5	8♓59	21♑36	10♉ 9	T 1
W 2	15 3 9	17° 5'45	10♏58	14° 7	0♉42	8° 7	28♍32	15°44	2♑31	28♏49	29°52	9♓56	8°56	21°43	10°13	W 2
T 3	15 7 6	18° 3'22	23°44	16°18	1°55	8°42	28°29	15°50	2°30	28°47	29°54	9°45	8°52	21°49	10°17	T 3
F 4	15 11 2	19° 0'59	6♐17	18°29	3° 9	9°17	28°26	15°55	2°28	28°45	29°55	9°33	8°49	21°56	10°21	F 4
S 5	15 14 59	19°58'33	18°38	20°41	4°22	9°51	28°24	16° 0	2°27	28°44	29°56	9°21	8°46	22° 3	10°25	S 5
S 6	15 18 56	20°56'07	0♑46	22°52	5°35	10°26	28°21	16° 6	2°25	28°42	29°58	9°11	8°43	22° 9	10°29	S 6
M 7	15 22 52	21°53'40	12°45	25° 4	6°49	11° 0	28°19	16°11	2°24	28°41	29°59	9° 2	8°40	22°16	10°33	M 7
T 8	15 26 49	22°51'12	24°38	27°15	8° 2	11°34	28°17	16°17	2°22	28°39	0♊ 0	8°57	8°37	22°23	10°37	T 8
W 9	15 30 45	23°48'43	6♒28	29°25	9°15	12° 8	28°15	16°22	2°20	28°37	0° 2	8°53	8°33	22°29	10°41	W 9
T 10	15 34 42	24°46'13	18°19	1♊35	10°29	12°41	28°13	16°28	2°19	28°36	0° 3	8°52	8°30	22°36	10°45	T 10
F 11	15 38 38	25°43'42	0♓18	3°43	11°42	13°15	28°11	16°34	2°17	28°34	0° 5	8°D52	8°27	22°43	10°49	F 11
S 12	15 42 35	26°41'10	12°29	5°50	12°55	13°48	28°10	16°40	2°15	28°32	0° 6	8°R52	8°24	22°50	10°53	S 12
S 13	15 46 31	27°38'37	24°59	7°55	14° 9	14°21	28° 9	16°46	2°13	28°31	0° 7	8°51	8°21	22°56	10°57	S 13
M14	15 50 28	28°36'04	7♈50	9°58	15°22	14°54	28° 8	16°52	2°11	28°29	0° 9	8°48	8°18	23° 3	11° 1	M14
T 15	15 54 25	29°33'30	21° 7	11°59	16°36	15°27	28° 7	16°58	2° 9	28°28	0°10	8°43	8°14	23°10	11° 5	T 15
W16	15 58 21	0♊30'55	4♉51	13°59	17°49	16° 0	28° 6	17° 4	2° 7	28°26	0°11	8°35	8°11	23°16	11° 9	W16
T 17	16 2 18	1°28'19	18°59	15°56	19° 2	16°32	28° 5	17°10	2° 6	28°24	0°13	8°25	8° 8	23°23	11°13	T 17
F 18	16 6 14	2°25'43	3♊29	17°50	20°16	17° 4	28° 5	17°16	2° 4	28°23	0°14	8°14	8° 5	23°30	11°17	F 18
S 19	16 10 11	3°23'06	18°14	19°42	21°29	17°36	28°D 5	17°22	2° 2	28°21	0°16	8° 3	8° 2	23°36	11°21	S 19
S 20	16 14 7	4°20'28	3♋ 4	21°32	22°43	18° 8	28° 5	17°29	2° 0	28°20	0°17	7°53	7°58	23°43	11°25	S 20
M21	16 18 4	5°17'48	17°52	23°19	23°56	18°39	28° 5	17°35	1°57	28°18	0°18	7°46	7°55	23°50	11°29	M21
T 22	16 22 0	6°15'08	2♌31	25° 4	25° 9	19°10	28° 6	17°42	1°55	28°16	0°20	7°41	7°52	23°56	11°33	T 22
W23	16 25 57	7°12'27	16°54	26°46	26°23	19°41	28° 6	17°48	1°53	28°15	0°21	7°38	7°49	24° 3	11°36	W23
T 24	16 29 54	8° 9'45	1♍ 1	28°26	27°36	20°12	28° 7	17°55	1°51	28°13	0°22	7°37	7°46	24°10	11°40	T 24
F 25	16 33 50	9° 7'02	14°50	0♋ 3	28°50	20°42	28° 8	18° 1	1°49	28°12	0°24	7°37	7°43	24°16	11°44	F 25
S 26	16 37 47	10° 4'17	28°23	1°37	0♊ 3	21°12	28° 9	18° 8	1°47	28°10	0°25	7°37	7°39	24°23	11°48	S 26
S 27	16 41 43	11° 1'32	11♎40	3° 9	1°17	21°42	28°10	18°15	1°45	28° 8	0°26	7°34	7°36	24°30	11°52	S 27
M28	16 45 40	11°58'46	24°43	4°38	2°30	22°12	28°12	18°21	1°42	28° 7	0°28	7°29	7°33	24°36	11°55	M28
T 29	16 49 36	12°55'59	7♏34	6° 4	3°44	22°41	28°13	18°28	1°40	28° 5	0°29	7°21	7°30	24°43	11°59	T 29
W30	16 53 33	13°53'12	20°14	7°28	4°57	23°10	28°15	18°35	1°38	28° 4	0°31	7°11	7°27	24°50	12° 3	W30
T 31	16 57 29	14♊50'24	2♐43	8♋49	6♊11	23♒39	28♍17	18♋42	1♑36	28♏ 2	0♊32	6♓59	7♓24	24♑57	12♉ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n45	14s18	3s45	15n13	0s17	10n 5	1s20	20s22	1s58	1n59	1n33	22n50	0n12	23s49	0s17	18s19	1n43	9n43	10s44	7s49	8s14	25s33	13n54	1s 4
W 2	17 1	19 22	4 25	16 3	0 7	10 32	1 19	20 15	2 0	2 0	1 33	22 50	0 13	23 49	0 17	18 19	1 43	9 43	10 44	7 53	8 16	25 31	13 56	1 5
T 3	17 17	23 28	4 50	16 51	0n 4	10 59	1 18	20 8	2 3	2 1	1 33	22 49	0 13	23 49	0 17	18 18	1 43	9 44	10 44	7 57	8 17	25 30	13 57	1 5
F 4	17 33	26 24	5 1	17 39	0 15	11 25	1 16	20 1	2 5	2 2	1 33	22 48	0 13	23 49	0 17	18 18	1 43	9 44	10 44	8 2	8 18	25 28	13 58	1 5
S 5	17 49	28 0	4 58	18 24	0 25	11 52	1 15	19 54	2 7	2 3	1 32	22 48	0 13	23 49	0 17	18 18	1 43	9 44	10 44	8 6	8 19	25 26	13 59	1 5
S 6	18 4	28 14	4 41	19 9	0 35	12 18	1 13	19 47	2 10	2 4	1 32	22 47	0 13	23 49	0 17	18 17	1 43	9 45	10 44	8 10	8 20	25 25	14 0	1 5
M 7	18 20	27 7	4 12	19 51	0 45	12 43	1 12	19 40	2 12	2 5	1 32	22 47	0 13	23 49	0 17	18 17	1 43	9 45	10 43	8 13	8 22	25 23	14 2	1 5
T 8	18 34	24 46	3 32	20 32	0 55	13 9	1 10	19 33	2 15	2 5	1 32	22 46	0 13	23 49	0 17	18 17	1 43	9 45	10 43	8 15	8 23	25 21	14 3	1 5
W 9	18 49	21 22	2 43	21 10	1 4	13 34	1 8	19 26	2 17	2 6	1 31	22 45	0 13	23 49	0 17	18 16	1 43	9 46	10 43	8 17	8 24	25 19	14 4	1 5
T 10	19 3	17 6	1 47	21 46	1 13	13 59	1 7	19 19	2 20	2 6	1 31	22 45	0 13	23 49	0 17	18 16	1 43	9 46	10 43	8 17	8 25	25 18	14 5	1 5
F 11	19 17	12 7	0 45	22 19	1 21	14 23	1 5	19 11	2 22	2 7	1 31	22 44	0 13	23 49	0 17	18 15	1 43	9 46	10 43	8 17	8 26	25 16	14 6	1 5
S 12	19 30	6 36	0n19	22 50	1 29	14 47	1 3	19 4	2 25	2 7	1 31	22 44	0 13	23 49	0 17	18 15	1 43	9 47	10 43	8 17	8 28	25 14	14 8	1 5
S 13	19 44	0 43	1 24	23 18	1 36	15 11	1 1	18 57	2 27	2 7	1 30	22 43	0 13	23 49	0 17	18 15	1 43	9 47	10 43	8 17	8 29	25 12	14 9	1 6
M14	19 56	5n22	2 27	23 44	1 42	15 34	0 59	18 49	2 30	2 8	1 30	22 42	0 13	23 49	0 17	18 14	1 43	9 47	10 43	8 18	8 30	25 11	14 10	1 6
T 15	20 9	11 25	3 24	24 7	1 48	15 58	0 57	18 42	2 32	2 8	1 30	22 42	0 13	23 49	0 17	18 14	1 43	9 48	10 43	8 20	8 31	25 9	14 11	1 6
W16	20 21	17 7	4 11	24 27	1 53	16 20	0 55	18 35	2 35	2 8	1 30	22 41	0 14	23 49	0 17	18 14	1 43	9 48	10 43	8 23	8 32	25 7	14 12	1 6
T 17	20 33	22 5	4 44	24 45	1 57	16 42	0 53	18 28	2 38	2 8	1 29	22 40	0 14	23 49	0 17	18 13	1 43	9 48	10 43	8 27	8 34	25 5	14 13	1 6
F 18	20 45	25 51	4 59	25 0	2 1	17 4	0 51	18 20	2 40	2 8	1 29	22 39	0 14	23 49	0 17	18 13	1 43	9 49	10 43	8 31	8 35	25 4	14 14	1 6
S 19	20 56	27 56	4 56	25 12	2 3	17 26	0 49	18 13	2 43	2 7	1 29	22 39	0 14	23 49	0 17	18 13	1 43	9 49	10 43	8 35	8 36	25 2	14 15	1 6
S 20	21 7	28 3	4 32	25 22	2 5	17 46	0 47	18 6	2 46	2 7	1 29	22 38	0 14	23 50	0 17	18 12	1 43	9 49	10 43	8 39	8 37	25 0	14 17	1 6
M21	21 17	26 10	3 51	25 29	2 7	18 7	0 45	17 59	2 49	2 7	1 28	22 37	0 14	23 50	0 17	18 12	1 43	9 49	10 43	8 42	8 38	24 58	14 18	1 6
T 22	21 27	22 31	2 54	25 35	2 7	18 27	0 43	17 51	2 52	2 6	1 28	22 36	0 14	23 50	0 17	18 12	1 43	9 50	10 43	8 44	8 39	24 56	14 19	1 7
W23	21 37	17 33	1 47	25 38	2 7	18 47	0 41	17 44	2 54	2 6	1 28	22 36	0 14	23 50	0 17	18 11	1 43	9 50	10 43	8 45	8 41	24 54	14 20	1 7
T 24	21 46	11 42	0 35	25 39	2 6	19 6	0 38	17 37	2 57	2 5	1 27	22 35	0 14	23 50	0 17	18 11	1 43	9 50	10 43	8 45	8 42	24 53	14 21	1 7
F 25	21 55	5 25	0s38	25 37	2 4	19 24	0 36	17 30	3 0	2 5	1 27	22 34	0 14	23 50	0 17	18 11	1 43	9 51	10 43	8 45	8 43	24 51	14 22	1 7
S 26	22 4	0s59	1 47	25 34	2 2	19 42	0 34	17 23	3 3	2 4	1 27	22 33	0 14	23 50	0 17	18 10	1 43	9 51	10 43	8 45	8 44	24 49	14 23	1 7
S 27	22 12	7 14	2 49	25 29	1 59	20 0	0 32	17 16	3 6	2 3	1 27	22 32	0 14	23 50	0 17	18 10	1 43	9 51	10 43	8 46	8 45	24 47	14 24	1 7
M28	22 20	13 3	3 41	25 23	1 55	20 17	0 29	17 9	3 9	2 3	1 26	22 32	0 14	23 50	0 17	18 10	1 43	9 51	10 43	8 48	8 47	24 45	14 25	1 7
T 29	22 27	18 13	4 21	25 15	1 50	20 33	0 27	17 2	3 12	2 2	1 26	22 31	0 15	23 50	0 17	18 9	1 43	9 52	10 43	8 51	8 48	24 43	14 26	1 7
W30	22 34	22 30	4 47	25 5	1 45	20 49	0 25	16 55	3 15	2 1	1 26	22 30	0 15	23 50	0 17	18 9	1 43	9 52	10 43	8 55	8 49	24 42	14 27	1 7
T 31	22n41	25s41	4s59	24n54	1n39	21n 4	0s22	16s49	3s18	2n 0	1n26	22n29	0n15	23s50	0s17	18s 9	1n43	9n52	10s43	8s59	8s50	24s40	14n28	1s 8

Julian Day Number = 2141580.5, Delta T = 15m15s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'28, Lahiri = 12°01'29 Julian Calendar 1 May 1151 == Greg. Calendar 8 May 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

JUNE 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 1 26	15♊47'35	15♐ 3	10♋ 7	7♊24	24♒ 7	28♍19	18♋49	1°R33	28°R 1	0♊33	6°R46	7♓20	25♑ 3	12♉10	F 1
S 2	17 5 23	16°44'46	27°12	11°22	8°38	24°35	28°21	18°56	1♑31	27♏59	0°35	6♓33	7°17	25°10	12°14	S 2
S 3	17 9 19	17°41'57	9♑14	12°34	9°51	25° 3	28°24	19° 2	1°29	27°58	0°36	6°21	7°14	25°17	12°17	S 3
M 4	17 13 16	18°39'08	21° 8	13°44	11° 5	25°30	28°27	19°10	1°26	27°56	0°37	6°12	7°11	25°23	12°21	M 4
T 5	17 17 12	19°36'18	2♒58	14°50	12°18	25°57	28°29	19°17	1°24	27°55	0°39	6° 5	7° 8	25°30	12°24	T 5
W 6	17 21 9	20°33'28	14°46	15°53	13°32	26°24	28°32	19°24	1°22	27°53	0°40	6° 1	7° 4	25°37	12°28	W 6
T 7	17 25 5	21°30'38	26°37	16°53	14°45	26°50	28°36	19°31	1°19	27°52	0°41	5°59	7° 1	25°43	12°31	T 7
F 8	17 29 2	22°27'48	8♓35	17°50	15°59	27°16	28°39	19°38	1°17	27°50	0°42	5°D59	6°58	25°50	12°34	F 8
S 9	17 32 59	23°24'58	20°45	18°44	17°12	27°42	28°42	19°45	1°15	27°49	0°44	5°R59	6°55	25°57	12°38	S 9
S 10	17 36 55	24°22'08	3♈12	19°34	18°26	28° 7	28°46	19°52	1°12	27°47	0°45	5°59	6°52	26° 3	12°41	S 10
M11	17 40 52	25°19'18	16° 2	20°20	19°40	28°32	28°50	20° 0	1°10	27°46	0°46	5°57	6°49	26°10	12°44	M11
T 12	17 44 48	26°16'28	29°18	21° 3	20°53	28°56	28°54	20° 7	1° 7	27°45	0°48	5°53	6°45	26°17	12°48	T 12
W13	17 48 45	27°13'39	13♉ 4	21°42	22° 7	29°20	28°58	20°14	1° 5	27°43	0°49	5°47	6°42	26°23	12°51	W13
T 14	17 52 41	28°10'50	27°17	22°17	23°20	29°43	29° 2	20°22	1° 2	27°42	0°50	5°39	6°39	26°30	12°54	T 14
F 15	17 56 38	29° 8'01	11♊57	22°48	24°34	0♓ 6	29° 7	20°29	1° 0	27°41	0°51	5°29	6°36	26°37	12°57	F 15
S 16	18 0 34	0♋ 5'12	26°55	23°14	25°48	0°29	29°11	20°36	0°58	27°39	0°53	5°19	6°33	26°43	13° 0	S 16
S 17	18 4 31	1° 2'24	12♋ 2	23°37	27° 2	0°51	29°16	20°44	0°55	27°38	0°54	5°11	6°30	26°50	13° 4	S 17
M18	18 8 28	1°59'35	27° 9	23°55	28°15	1°12	29°21	20°51	0°53	27°37	0°55	5° 4	6°26	26°57	13° 7	M18
T 19	18 12 24	2°56'46	12♌ 6	24° 8	29°29	1°33	29°26	20°59	0°50	27°35	0°56	5° 0	6°23	27° 3	13°10	T 19
W20	18 16 21	3°53'58	26°46	24°17	0♋43	1°54	29°31	21° 6	0°48	27°34	0°57	4°58	6°20	27°10	13°13	W20
T 21	18 20 17	4°51'09	11♍ 5	24°R21	1°56	2°14	29°37	21°14	0°46	27°33	0°59	4°D58	6°17	27°17	13°16	T 21
F 22	18 24 14	5°48'19	25° 0	24°20	3°10	2°33	29°42	21°21	0°43	27°32	1° 0	4°59	6°14	27°23	13°18	F 22
S 23	18 28 10	6°45'30	8♎32	24°15	4°24	2°52	29°48	21°29	0°41	27°31	1° 1	4°R59	6°10	27°30	13°21	S 23
S 24	18 32 7	7°42'41	21°44	24° 5	5°38	3°10	29°54	21°37	0°38	27°30	1° 2	4°58	6° 7	27°37	13°24	S 24
M25	18 36 3	8°39'52	4♏38	23°50	6°51	3°28	29°59	21°44	0°36	27°28	1° 3	4°55	6° 4	27°43	13°27	M25
T 26	18 40 0	9°37'03	17°17	23°31	8° 5	3°45	0♎ 6	21°52	0°34	27°27	1° 4	4°50	6° 1	27°50	13°30	T 26
W27	18 43 57	10°34'15	29°43	23° 7	9°19	4° 2	0°12	21°59	0°31	27°26	1° 5	4°42	5°58	27°57	13°32	W27
T 28	18 47 53	11°31'26	11♐59	22°39	10°33	4°18	0°19	22° 7	0°29	27°25	1° 6	4°33	5°55	28° 4	13°35	T 28
F 29	18 51 50	12°28'38	24° 6	22° 8	11°47	4°33	0°25	22°15	0°26	27°24	1° 8	4°24	5°51	28°10	13°38	F 29
S 30	18 55 46	13♋25'51	6♑ 6	21♋33	13♋ 1	4♓48	0♎32	22♋22	0♑24	27♏23	1♊ 9	4♓14	5♓48	28♑17	13♉40	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n47	27s38	4s57	24n42	1n33	21n19	0s20	16s42	3s21	1n59	1n25	22n28	0n15	23s50	0s17	18s 8	1n43	9n52	10s43	9s 4	8s51	24s38	14n29	1s 8
S 2	22 53	28 12	4 41	24 29	1 25	21 33	0 18	16 35	3 24	1 57	1 25	22 27	0 15	23 50	0 18	18 8	1 43	9 53	10 43	9 9	8 53	24 36	14 30	1 8
S 3	22 59	27 26	4 13	24 14	1 17	21 47	0 15	16 29	3 27	1 56	1 25	22 26	0 15	23 50	0 18	18 8	1 43	9 53	10 43	9 13	8 54	24 34	14 31	1 8
M 4	23 4	25 24	3 34	23 59	1 9	22 0	0 13	16 22	3 30	1 55	1 25	22 25	0 15	23 50	0 18	18 7	1 43	9 53	10 43	9 17	8 55	24 32	14 32	1 8
T 5	23 9	22 16	2 45	23 43	1 0	22 12	0 11	16 16	3 33	1 53	1 24	22 24	0 15	23 50	0 18	18 7	1 43	9 53	10 43	9 19	8 56	24 30	14 33	1 8
W 6	23 13	18 14	1 50	23 26	0 50	22 24	0 8	16 10	3 36	1 52	1 24	22 23	0 15	23 50	0 18	18 7	1 43	9 54	10 43	9 21	8 57	24 28	14 34	1 8
T 7	23 17	13 29	0 50	23 8	0 40	22 35	0 6	16 4	3 40	1 51	1 24	22 23	0 15	23 50	0 18	18 7	1 43	9 54	10 43	9 22	8 58	24 26	14 35	1 8
F 8	23 20	8 11	0n14	22 50	0 29	22 45	0 3	15 58	3 43	1 49	1 23	22 22	0 15	23 50	0 18	18 6	1 43	9 54	10 43	9 22	9 0	24 24	14 36	1 8
S 9	23 23	2 30	1 18	22 32	0 18	22 55	0 1	15 52	3 46	1 47	1 23	22 21	0 15	23 50	0 18	18 6	1 43	9 54	10 43	9 22	9 1	24 23	14 37	1 9
S 10	23 26	3n25	2 19	22 13	0 6	23 4	0n 1	15 46	3 49	1 46	1 23	22 20	0 15	23 50	0 18	18 6	1 43	9 54	10 43	9 22	9 2	24 21	14 38	1 9
M11	23 28	9 21	3 16	21 54	0s 7	23 13	0 4	15 40	3 52	1 44	1 23	22 19	0 16	23 50	0 18	18 5	1 43	9 55	10 43	9 22	9 3	24 19	14 38	1 9
T 12	23 30	15 5	4 4	21 35	0 19	23 20	0 6	15 35	3 56	1 42	1 22	22 18	0 16	23 50	0 18	18 5	1 43	9 55	10 43	9 24	9 4	24 17	14 39	1 9
W13	23 31	20 16	4 40	21 15	0 33	23 28	0 9	15 29	3 59	1 40	1 22	22 17	0 16	23 50	0 18	18 5	1 43	9 55	10 43	9 26	9 6	24 15	14 40	1 9
T 14	23 32	24 30	5 0	20 56	0 46	23 34	0 11	15 24	4 2	1 38	1 22	22 16	0 16	23 50	0 18	18 5	1 42	9 55	10 43	9 29	9 7	24 13	14 41	1 9
F 15	23 33	27 18	5 1	20 37	1 1	23 40	0 13	15 19	4 6	1 36	1 22	22 15	0 16	23 51	0 18	18 4	1 42	9 55	10 43	9 33	9 8	24 11	14 42	1 9
S 16	23 33	28 13	4 42	20 19	1 15	23 45	0 16	15 14	4 9	1 34	1 21	22 13	0 16	23 51	0 18	18 4	1 42	9 55	10 44	9 36	9 9	24 9	14 43	1 10
S 17	23 33	27 2	4 3	20 0	1 30	23 49	0 18	15 9	4 12	1 32	1 21	22 12	0 16	23 51	0 18	18 4	1 42	9 56	10 44	9 39	9 10	24 7	14 44	1 10
M18	23 32	23 53	3 7	19 43	1 45	23 53	0 20	15 5	4 16	1 30	1 21	22 11	0 16	23 51	0 18	18 4	1 42	9 56	10 44	9 42	9 11	24 5	14 44	1 10
T 19	23 31	19 9	1 59	19 25	2 0	23 56	0 23	15 0	4 19	1 27	1 21	22 10	0 16	23 51	0 18	18 3	1 42	9 56	10 44	9 43	9 13	24 3	14 45	1 10
W20	23 30	13 20	0 44	19 9	2 15	23 58	0 25	14 56	4 23	1 25	1 20	22 9	0 16	23 51	0 18	18 3	1 42	9 56	10 44	9 44	9 14	24 1	14 46	1 10
T 21	23 28	6 56	0s33	18 53	2 30	23 59	0 27	14 52	4 26	1 23	1 20	22 8	0 16	23 51	0 18	18 3	1 42	9 56	10 44	9 44	9 15	23 59	14 47	1 10
F 22	23 25	0 23	1 45	18 39	2 45	24 0	0 29	14 48	4 30	1 20	1 20	22 7	0 16	23 51	0 18	18 3	1 42	9 56	10 44	9 44	9 16	23 57	14 47	1 10
S 23	23 23	6s 0	2 50	18 25	3 0	24 0	0 32	14 44	4 33	1 18	1 20	22 6	0 16	23 51	0 18	18 2	1 42	9 56	10 44	9 44	9 17	23 55	14 48	1 10
S 24	23 20	11 58	3 43	18 13	3 14	24 0	0 34	14 41	4 37	1 15	1 19	22 5	0 17	23 51	0 18	18 2	1 42	9 57	10 44	9 44	9 18	23 53	14 49	1 11
M25	23 16	17 16	4 24	18 1	3 28	23 58	0 36	14 37	4 40	1 13	1 19	22 4	0 17	23 51	0 18	18 2	1 42	9 57	10 44	9 45	9 20	23 51	14 49	1 11
T 26	23 12	21 44	4 52	17 51	3 41	23 56	0 38	14 34	4 44	1 10	1 19	22 3	0 17	23 51	0 18	18 2	1 42	9 57	10 44	9 47	9 21	23 49	14 50	1 11
W27	23 8	25 8	5 4	17 43	3 54	23 53	0 40	14 31	4 47	1 7	1 19	22 1	0 17	23 51	0 18	18 1	1 42	9 57	10 45	9 50	9 22	23 47	14 51	1 11
T 28	23 3	27 20	5 3	17 36	4 6	23 50	0 42	14 29	4 51	1 5	1 19	22 0	0 17	23 51	0 18	18 1	1 42	9 57	10 45	9 53	9 23	23 45	14 51	1 11
F 29	22 58	28 13	4 48	17 30	4 17	23 46	0 44	14 26	4 54	1 2	1 18	21 59	0 17	23 51	0 18	18 1	1 42	9 57	10 45	9 57	9 24	23 43	14 52	1 11
S 30	22n52	27s45	4s20	17n26	4s26	23n41	0n46	14s24	4s57	0n59	1n18	21n58	0n17	23s51	0s18	18s 1	1n42	9n57	10s45	10s 0	9s26	23s41	14n53	1s11

Julian Day Number = 2141611.5, Delta T = 15m14s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'33, Lahiri = 12°01'33 Julian Calendar 1 June 1151 == Greg. Calendar 8 June 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

JULY 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 59 43	14♋23'03	18♉ 0	20°R56	14♋14	5♓ 2	0♎39	22♋30	0°R22	27°R22	1♊10	4°R 6	5♓45	28♉24	13♉43	S 1
M 2	19 3 39	15°20'17	29°51	20♋16	15°28	5°16	0°46	22°38	0♉19	27♏21	1°11	3♓59	5°42	28°30	13°45	M 2
T 3	19 7 36	16°17'31	11♒39	19°35	16°42	5°29	0°53	22°45	0°17	27°20	1°12	3°55	5°39	28°37	13°47	T 3
W 4	19 11 33	17°14'45	23°28	18°53	17°56	5°41	1° 0	22°53	0°15	27°19	1°13	3°52	5°36	28°44	13°50	W 4
T 5	19 15 29	18°12'01	5♓21	18°11	19°10	5°52	1° 7	23° 1	0°13	27°18	1°14	3°D52	5°32	28°50	13°52	T 5
F 6	19 19 26	19° 9'17	17°21	17°29	20°24	6° 3	1°15	23° 9	0°10	27°18	1°15	3°52	5°29	28°57	13°54	F 6
S 7	19 23 22	20° 6'34	29°32	16°49	21°38	6°13	1°22	23°16	0° 8	27°17	1°16	3°54	5°26	29° 4	13°57	S 7
S 8	19 27 19	21° 3'52	11♈59	16°11	22°52	6°22	1°30	23°24	0° 6	27°16	1°17	3°55	5°23	29°10	13°59	S 8
M 9	19 31 15	22° 1'11	24°47	15°36	24° 6	6°30	1°38	23°32	0° 4	27°15	1°18	3°R55	5°20	29°17	14° 1	M 9
T 10	19 35 12	22°58'32	7♉59	15° 4	25°20	6°38	1°46	23°40	0° 1	27°14	1°19	3°54	5°16	29°24	14° 3	T 10
W11	19 39 8	23°55'53	21°39	14°36	26°34	6°45	1°54	23°47	29♐59	27°14	1°19	3°51	5°13	29°30	14° 5	W11
T 12	19 43 5	24°53'16	5♊47	14°13	27°48	6°51	2° 2	23°55	29°57	27°13	1°20	3°47	5°10	29°37	14° 7	T 12
F 13	19 47 2	25°50'40	20°22	13°55	29° 2	6°57	2°10	24° 3	29°55	27°12	1°21	3°42	5° 7	29°44	14° 9	F 13
S 14	19 50 58	26°48'05	5♋18	13°43	0♌16	7° 1	2°18	24°11	29°53	27°12	1°22	3°37	5° 4	29°50	14°11	S 14
S 15	19 54 55	27°45'31	20°29	13°37	1°30	7° 5	2°27	24°18	29°51	27°11	1°23	3°32	5° 1	29°57	14°12	S 15
M16	19 58 51	28°42'58	5♌43	13°D36	2°44	7° 8	2°36	24°26	29°49	27°11	1°24	3°28	4°57	0♒ 4	14°14	M16
T 17	20 2 48	29°40'26	20°51	13°43	3°58	7°10	2°44	24°34	29°47	27°10	1°25	3°26	4°54	0°10	14°16	T 17
W18	20 6 44	0♌37'55	5♍44	13°55	5°12	7°11	2°53	24°41	29°45	27° 9	1°25	3°D26	4°51	0°17	14°17	W18
T 19	20 10 41	1°35'25	20°15	14°15	6°26	7°R12	3° 2	24°49	29°43	27° 9	1°26	3°26	4°48	0°24	14°19	T 19
F 20	20 14 37	2°32'55	4♎21	14°41	7°40	7°12	3°11	24°57	29°41	27° 9	1°27	3°28	4°45	0°30	14°20	F 20
S 21	20 18 34	3°30'27	18° 1	15°14	8°54	7°10	3°20	25° 5	29°39	27° 8	1°28	3°29	4°42	0°37	14°22	S 21
S 22	20 22 31	4°27'59	1♏16	15°53	10° 8	7° 8	3°30	25°12	29°37	27° 8	1°28	3°R30	4°38	0°44	14°23	S 22
M23	20 26 27	5°25'32	14° 9	16°40	11°23	7° 6	3°39	25°20	29°36	27° 7	1°29	3°30	4°35	0°50	14°25	M23
T 24	20 30 24	6°23'06	26°43	17°32	12°37	7° 2	3°49	25°28	29°34	27° 7	1°30	3°28	4°32	0°57	14°26	T 24
W25	20 34 20	7°20'41	9♐ 2	18°31	13°51	6°58	3°58	25°35	29°32	27° 7	1°30	3°25	4°29	1° 4	14°27	W25
T 26	20 38 17	8°18'18	21°10	19°36	15° 5	6°53	4° 8	25°43	29°30	27° 6	1°31	3°22	4°26	1°10	14°28	T 26
F 27	20 42 13	9°15'55	3♑ 9	20°48	16°19	6°47	4°18	25°50	29°29	27° 6	1°32	3°18	4°22	1°17	14°29	F 27
S 28	20 46 10	10°13'33	15° 2	22° 4	17°33	6°40	4°27	25°58	29°27	27° 6	1°32	3°14	4°19	1°24	14°31	S 28
S 29	20 50 6	11°11'13	26°52	23°27	18°48	6°33	4°37	26° 6	29°25	27° 6	1°33	3°11	4°16	1°30	14°32	S 29
M30	20 54 3	12° 8'54	8♒42	24°54	20° 2	6°25	4°47	26°13	29°24	27° 6	1°34	3° 8	4°13	1°37	14°32	M30
T 31	20 58 0	13♌ 6'36	20♒32	26♋27	21♌16	6♓16	4♎57	26♋21	29♐22	27♏ 6	1♊34	3♓ 6	4♓10	1♒44	14♉33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n46	25s59	3s41	17n24	4s34	23n35	0n48	14s22	5s 1	0n56	1n18	21n57	0n17	23s51	0s18	18s 1	1n42	9n57	10s45	10s 3	9s27	23s38	14n53	1s12
M 2	22 40	23 6	2 53	17 23	4 41	23 29	0 50	14 20	5 4	0 53	1 18	21 55	0 17	23 51	0 18	18 1	1 42	9 57	10 45	10 6	9 28	23 36	14 54	1 12
T 3	22 33	19 15	1 57	17 23	4 47	23 22	0 52	14 19	5 8	0 50	1 17	21 54	0 17	23 51	0 18	18 0	1 42	9 58	10 45	10 7	9 29	23 34	14 55	1 12
W 4	22 26	14 38	0 56	17 25	4 50	23 14	0 54	14 17	5 11	0 47	1 17	21 53	0 17	23 51	0 18	18 0	1 42	9 58	10 45	10 8	9 30	23 32	14 55	1 12
T 5	22 18	9 28	0n 8	17 29	4 52	23 6	0 56	14 16	5 15	0 44	1 17	21 52	0 17	23 51	0 18	18 0	1 42	9 58	10 45	10 8	9 31	23 30	14 56	1 12
F 6	22 11	3 55	1 12	17 34	4 52	22 57	0 58	14 15	5 18	0 41	1 17	21 51	0 18	23 51	0 18	18 0	1 42	9 58	10 46	10 8	9 33	23 28	14 56	1 12
S 7	22 2	1n52	2 15	17 41	4 51	22 47	0 59	14 15	5 22	0 37	1 17	21 49	0 18	23 51	0 18	18 0	1 41	9 58	10 46	10 8	9 34	23 26	14 57	1 12
S 8	21 54	7 42	3 12	17 48	4 48	22 36	1 1	14 15	5 25	0 34	1 16	21 48	0 18	23 51	0 18	18 0	1 41	9 58	10 46	10 7	9 35	23 24	14 57	1 13
M 9	21 45	13 23	4 1	17 57	4 43	22 25	1 3	14 15	5 29	0 31	1 16	21 47	0 18	23 51	0 18	18 0	1 41	9 58	10 46	10 7	9 36	23 22	14 58	1 13
T 10	21 35	18 38	4 40	18 7	4 36	22 13	1 4	14 15	5 32	0 27	1 16	21 46	0 18	23 51	0 18	17 59	1 41	9 58	10 46	10 7	9 37	23 20	14 58	1 13
W11	21 25	23 9	5 4	18 18	4 28	22 1	1 6	14 15	5 35	0 24	1 16	21 44	0 18	23 51	0 18	17 59	1 41	9 58	10 46	10 8	9 38	23 17	14 59	1 13
T 12	21 15	26 28	5 10	18 30	4 19	21 48	1 7	14 16	5 38	0 21	1 15	21 43	0 18	23 51	0 18	17 59	1 41	9 58	10 46	10 10	9 40	23 15	14 59	1 13
F 13	21 5	28 9	4 58	18 42	4 8	21 34	1 9	14 17	5 42	0 17	1 15	21 42	0 18	23 51	0 18	17 59	1 41	9 58	10 47	10 12	9 41	23 13	14 59	1 13
S 14	20 54	27 51	4 25	18 56	3 56	21 20	1 10	14 18	5 45	0 14	1 15	21 41	0 18	23 51	0 18	17 59	1 41	9 58	10 47	10 14	9 42	23 11	15 0	1 14
S 15	20 42	25 29	3 33	19 9	3 43	21 5	1 11	14 20	5 48	0 10	1 15	21 39	0 18	23 51	0 18	17 59	1 41	9 58	10 47	10 16	9 43	23 9	15 0	1 14
M16	20 31	21 17	2 25	19 23	3 29	20 49	1 13	14 21	5 51	0 6	1 15	21 38	0 18	23 51	0 18	17 59	1 41	9 58	10 47	10 17	9 44	23 7	15 1	1 14
T 17	20 19	15 41	1 8	19 37	3 15	20 33	1 14	14 23	5 54	0 3	1 14	21 37	0 18	23 51	0 18	17 59	1 41	9 58	10 47	10 18	9 45	23 5	15 1	1 14
W18	20 7	9 15	0s13	19 50	3 0	20 16	1 15	14 26	5 57	0s 1	1 14	21 36	0 19	23 51	0 18	17 59	1 41	9 58	10 47	10 18	9 47	23 2	15 1	1 14
T 19	19 54	2 29	1 31	20 4	2 44	19 59	1 16	14 28	6 0	0 5	1 14	21 34	0 19	23 51	0 18	17 59	1 41	9 58	10 48	10 18	9 48	23 0	15 2	1 14
F 20	19 41	4s12	2 41	20 17	2 28	19 41	1 17	14 31	6 3	0 9	1 14	21 33	0 19	23 51	0 18	17 59	1 41	9 58	10 48	10 17	9 49	22 58	15 2	1 15
S 21	19 28	10 29	3 40	20 29	2 12	19 22	1 18	14 34	6 6	0 12	1 14	21 32	0 19	23 51	0 18	17 59	1 41	9 58	10 48	10 17	9 50	22 56	15 2	1 15
S 22	19 14	16 7	4 26	20 41	1 56	19 3	1 19	14 37	6 8	0 16	1 14	21 30	0 19	23 51	0 18	17 59	1 41	9 58	10 48	10 16	9 51	22 54	15 2	1 15
M23	19 0	20 52	4 56	20 52	1 40	18 44	1 20	14 41	6 11	0 20	1 13	21 29	0 19	23 51	0 18	17 59	1 41	9 58	10 48	10 16	9 52	22 51	15 3	1 15
T 24	18 46	24 34	5 12	21 1	1 24	18 24	1 21	14 44	6 13	0 24	1 13	21 28	0 19	23 51	0 18	17 59	1 41	9 58	10 48	10 17	9 54	22 49	15 3	1 15
W25	18 31	27 3	5 12	21 9	1 8	18 3	1 22	14 48	6 16	0 28	1 13	21 26	0 19	23 51	0 18	17 59	1 40	9 58	10 49	10 18	9 55	22 47	15 3	1 15
T 26	18 16	28 13	4 59	21 15	0 52	17 42	1 22	14 52	6 18	0 32	1 13	21 25	0 19	23 51	0 18	17 59	1 40	9 58	10 49	10 19	9 56	22 45	15 3	1 15
F 27	18 1	28 3	4 32	21 20	0 37	17 20	1 23	14 56	6 20	0 36	1 13	21 24	0 19	23 51	0 18	17 59	1 40	9 58	10 49	10 21	9 57	22 43	15 3	1 16
S 28	17 46	26 35	3 54	21 22	0 22	16 58	1 24	15 1	6 22	0 40	1 12	21 22	0 19	23 51	0 18	17 59	1 40	9 58	10 49	10 22	9 58	22 40	15 4	1 16
S 29	17 30	23 56	3 7	21 22	0 8	16 36	1 24	15 5	6 24	0 44	1 12	21 21	0 20	23 51	0 18	17 59	1 40	9 58	10 49	10 23	9 59	22 38	15 4	1 16
M30	17 14	20 16	2 11	21 20	0n 5	16 13	1 25	15 10	6 26	0 49	1 12	21 20	0 20	23 51	0 18	17 59	1 40	9 58	10 49	10 24	10 1	22 36	15 4	1 16
T 31	16n58	15s48	1s 9	21n16	0n18	15n49	1n25	15s15	6s28	0s53	1n12	21n18	0n20	23s51	0s18	17s59	1n40	9n58	10s50	10s25	10s 2	22s34	15n 4	1s16

Julian Day Number = 2141641.5, Delta T = 15m14s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'37, Lahiri = 12°01'37 Julian Calendar 1 July 1151 == Greg. Calendar 8 July 1151

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1151
geocentric

AUGUST 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 1 56	14♌ 4'20	2♓26	28♋ 3	22♌30	6°R 6	5♎ 8	26♋28	29°R21	27°R 6	1♊35	3°D 6	4♓ 7	1♒50	14♉34	W 1
T 2	21 5 53	15° 2'05	14°25	29°44	23°44	5♓56	5°18	26°36	29♐19	27♏ 5	1°35	3♓ 6	4° 3	1°57	14°35	T 2
F 3	21 9 49	15°59'52	26°33	1♌28	24°59	5°45	5°28	26°43	29°18	27°D 5	1°36	3° 7	4° 0	2° 4	14°36	F 3
S 4	21 13 46	16°57'40	8♈51	3°16	26°13	5°34	5°39	26°51	29°17	27° 5	1°36	3° 9	3°57	2°10	14°36	S 4
S 5	21 17 42	17°55'31	21°24	5° 6	27°27	5°21	5°49	26°58	29°15	27° 6	1°37	3°10	3°54	2°17	14°37	S 5
M 6	21 21 39	18°53'23	4♉14	6°58	28°41	5° 9	6° 0	27° 5	29°14	27° 6	1°37	3°11	3°51	2°24	14°37	M 6
T 7	21 25 35	19°51'17	17°24	8°53	29°56	4°56	6°11	27°13	29°13	27° 6	1°37	3°R11	3°48	2°30	14°38	T 7
W 8	21 29 32	20°49'12	0♊58	10°49	1♍10	4°42	6°22	27°20	29°11	27° 6	1°38	3°11	3°44	2°37	14°38	W 8
T 9	21 33 29	21°47'10	14°55	12°46	2°24	4°28	6°32	27°27	29°10	27° 6	1°38	3°10	3°41	2°44	14°39	T 9
F 10	21 37 25	22°45'10	29°17	14°43	3°38	4°13	6°43	27°35	29° 9	27° 6	1°39	3° 9	3°38	2°50	14°39	F 10
S 11	21 41 22	23°43'12	13♋59	16°41	4°53	3°58	6°54	27°42	29° 8	27° 7	1°39	3° 8	3°35	2°57	14°39	S 11
S 12	21 45 18	24°41'15	28°57	18°40	6° 7	3°42	7° 5	27°49	29° 7	27° 7	1°39	3° 7	3°32	3° 4	14°39	S 12
M13	21 49 15	25°39'20	14♌ 2	20°38	7°21	3°27	7°17	27°56	29° 6	27° 7	1°39	3° 7	3°28	3°10	14°39	M13
T 14	21 53 11	26°37'27	29° 7	22°36	8°36	3°11	7°28	28° 3	29° 5	27° 7	1°40	3°D 6	3°25	3°17	14°R39	T 14
W15	21 57 8	27°35'36	14♍ 2	24°33	9°50	2°54	7°39	28°11	29° 4	27° 8	1°40	3° 6	3°22	3°24	14°39	W15
T 16	22 1 4	28°33'46	28°39	26°30	11° 4	2°38	7°51	28°18	29° 3	27° 8	1°40	3° 7	3°19	3°30	14°39	T 16
F 17	22 5 1	29°31'58	12♎53	28°26	12°18	2°21	8° 2	28°25	29° 2	27° 9	1°40	3° 7	3°16	3°37	14°39	F 17
S 18	22 8 58	0♍30'11	26°42	0♍21	13°33	2° 5	8°14	28°32	29° 2	27° 9	1°41	3° 7	3°13	3°44	14°39	S 18
S 19	22 12 54	1°28'27	10♏ 4	2°15	14°47	1°48	8°25	28°39	29° 1	27°10	1°41	3° 8	3° 9	3°50	14°38	S 19
M20	22 16 51	2°26'43	23° 1	4° 8	16° 1	1°32	8°37	28°45	29° 0	27°10	1°41	3° 8	3° 6	3°57	14°38	M20
T 21	22 20 47	3°25'01	5♐36	6° 0	17°16	1°16	8°48	28°52	29° 0	27°11	1°41	3° 8	3° 3	4° 4	14°38	T 21
W22	22 24 44	4°23'21	17°54	7°51	18°30	0°59	9° 0	28°59	28°59	27°11	1°41	3° 8	3° 0	4°10	14°37	W22
T 23	22 28 40	5°21'43	29°59	9°41	19°44	0°43	9°12	29° 6	28°59	27°12	1°41	3° 8	2°57	4°17	14°37	T 23
F 24	22 32 37	6°20'06	11♑54	11°30	20°59	0°27	9°24	29°13	28°58	27°13	1°41	3° 8	2°54	4°24	14°36	F 24
S 25	22 36 33	7°18'31	23°44	13°18	22°13	0°12	9°36	29°19	28°58	27°13	1°41	3° 9	2°50	4°30	14°35	S 25
S 26	22 40 30	8°16'57	5♒33	15° 5	23°27	29♒57	9°48	29°26	28°57	27°14	1°R41	3° 9	2°47	4°37	14°35	S 26
M27	22 44 27	9°15'25	17°24	16°50	24°42	29°42	10° 0	29°32	28°57	27°15	1°41	3° 9	2°44	4°44	14°34	M27
T 28	22 48 23	10°13'55	29°19	18°35	25°56	29°27	10°12	29°39	28°57	27°16	1°41	3°R10	2°41	4°50	14°33	T 28
W29	22 52 20	11°12'27	11♓21	20°18	27°10	29°13	10°24	29°45	28°57	27°17	1°41	3°10	2°38	4°57	14°32	W29
T 30	22 56 16	12°11'01	23°33	22° 1	28°25	29° 0	10°36	29°52	28°56	27°17	1°41	3° 9	2°34	5° 4	14°31	T 30
F 31	23 0 13	13♍ 9'37	5♈54	23♍42	29♍39	28♒47	10♎48	29♋58	28♐56	27♏18	1♊41	3♓ 8	2♓31	5♒10	14♉30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n41	10s43	0s 4	21n 9	0n30	15n25	1n25	15s20	6s29	0s57	1n12	21n17	0n20	23s51	0s18	17s59	1n40	9n57	10s50	10s25	10s 3	22s31	15n 4	1s16
T 2	16 24	5 12	1n 2	20 59	0 42	15 1	1 26	15 25	6 30	1 1	1 12	21 16	0 20	23 51	0 18	17 59	1 40	9 57	10 50	10 25	10 4	22 29	15 4	1 17
F 3	16 7	0n33	2 6	20 46	0 52	14 36	1 26	15 30	6 32	1 5	1 11	21 14	0 20	23 51	0 18	17 59	1 40	9 57	10 50	10 24	10 5	22 27	15 4	1 17
S 4	15 50	6 22	3 5	20 31	1 1	14 11	1 26	15 35	6 33	1 10	1 11	21 13	0 20	23 51	0 18	17 59	1 40	9 57	10 50	10 24	10 6	22 25	15 4	1 17
S 5	15 32	12 2	3 57	20 13	1 10	13 46	1 26	15 41	6 34	1 14	1 11	21 12	0 20	23 51	0 18	17 59	1 40	9 57	10 50	10 24	10 8	22 22	15 4	1 17
M 6	15 14	17 20	4 37	19 52	1 18	13 20	1 26	15 46	6 34	1 19	1 11	21 10	0 20	23 51	0 18	17 59	1 40	9 57	10 51	10 23	10 9	22 20	15 4	1 17
T 7	14 56	21 59	5 5	19 29	1 24	12 54	1 26	15 52	6 35	1 23	1 11	21 9	0 20	23 51	0 18	17 59	1 40	9 57	10 51	10 23	10 10	22 18	15 4	1 17
W 8	14 37	25 36	5 17	19 3	1 30	12 27	1 26	15 57	6 35	1 27	1 11	21 8	0 21	23 51	0 18	17 59	1 40	9 57	10 51	10 23	10 11	22 16	15 4	1 18
T 9	14 19	27 50	5 10	18 35	1 35	12 0	1 26	16 2	6 35	1 32	1 11	21 6	0 21	23 51	0 18	17 59	1 40	9 57	10 51	10 23	10 12	22 13	15 4	1 18
F 10	14 0	28 18	4 45	18 4	1 39	11 33	1 25	16 8	6 35	1 36	1 10	21 5	0 21	23 51	0 18	17 59	1 40	9 57	10 51	10 24	10 13	22 11	15 4	1 18
S 11	13 41	26 48	4 0	17 32	1 42	11 5	1 25	16 13	6 35	1 41	1 10	21 4	0 21	23 51	0 18	17 59	1 39	9 56	10 52	10 24	10 14	22 9	15 4	1 18
S 12	13 21	23 23	2 58	16 57	1 44	10 37	1 25	16 19	6 35	1 45	1 10	21 2	0 21	23 51	0 18	18 0	1 39	9 56	10 52	10 24	10 16	22 6	15 4	1 18
M13	13 2	18 21	1 44	16 21	1 46	10 9	1 24	16 24	6 34	1 50	1 10	21 1	0 21	23 51	0 18	18 0	1 39	9 56	10 52	10 25	10 17	22 4	15 4	1 18
T 14	12 42	12 11	0 22	15 44	1 47	9 41	1 24	16 29	6 33	1 54	1 10	21 0	0 21	23 51	0 18	18 0	1 39	9 56	10 52	10 25	10 18	22 2	15 3	1 19
W15	12 22	5 23	1s 0	15 5	1 47	9 12	1 23	16 34	6 32	1 59	1 10	20 58	0 21	23 51	0 18	18 0	1 39	9 56	10 52	10 25	10 19	21 59	15 3	1 19
T 16	12 2	1s33	2 17	14 25	1 46	8 43	1 23	16 39	6 31	2 4	1 10	20 57	0 21	23 51	0 18	18 0	1 39	9 56	10 53	10 25	10 20	21 57	15 3	1 19
F 17	11 41	8 14	3 23	13 43	1 45	8 14	1 22	16 44	6 30	2 8	1 9	20 56	0 21	23 51	0 18	18 0	1 39	9 56	10 53	10 25	10 21	21 55	15 3	1 19
S 18	11 21	14 18	4 16	13 1	1 44	7 45	1 21	16 49	6 28	2 13	1 9	20 54	0 22	23 51	0 18	18 0	1 39	9 55	10 53	10 24	10 23	21 52	15 3	1 19
S 19	11 0	19 31	4 52	12 18	1 41	7 15	1 20	16 53	6 27	2 18	1 9	20 53	0 22	23 51	0 18	18 1	1 39	9 55	10 53	10 24	10 24	21 50	15 2	1 20
M20	10 39	23 39	5 13	11 34	1 39	6 45	1 19	16 57	6 25	2 22	1 9	20 52	0 22	23 51	0 18	18 1	1 39	9 55	10 53	10 24	10 25	21 48	15 2	1 20
T 21	10 18	26 32	5 17	10 50	1 35	6 15	1 18	17 1	6 22	2 27	1 9	20 50	0 22	23 51	0 18	18 1	1 39	9 55	10 54	10 24	10 26	21 45	15 2	1 20
W22	9 57	28 6	5 7	10 5	1 32	5 45	1 17	17 5	6 20	2 32	1 9	20 49	0 22	23 51	0 18	18 1	1 39	9 55	10 54	10 24	10 27	21 43	15 2	1 20
T 23	9 35	28 17	4 44	9 19	1 28	5 15	1 16	17 9	6 18	2 37	1 9	20 48	0 22	23 51	0 18	18 1	1 39	9 55	10 54	10 24	10 28	21 41	15 1	1 20
F 24	9 14	27 8	4 8	8 34	1 23	4 44	1 15	17 12	6 15	2 41	1 9	20 46	0 22	23 51	0 18	18 2	1 39	9 54	10 54	10 24	10 29	21 38	15 1	1 20
S 25	8 52	24 46	3 22	7 48	1 18	4 14	1 14	17 15	6 12	2 46	1 8	20 45	0 22	23 51	0 18	18 2	1 39	9 54	10 54	10 24	10 31	21 36	15 1	1 21
S 26	8 30	21 21	2 27	7 2	1 13	3 43	1 12	17 18	6 9	2 51	1 8	20 44	0 22	23 51	0 18	18 2	1 39	9 54	10 55	10 24	10 32	21 34	15 0	1 21
M27	8 8	17 4	1 26	6 16	1 8	3 12	1 11	17 20	6 6	2 56	1 8	20 43	0 23	23 51	0 18	18 2	1 38	9 54	10 55	10 24	10 33	21 31	15 0	1 21
T 28	7 46	12 6	0 21	5 29	1 2	2 41	1 10	17 22	6 3	3 1	1 8	20 41	0 23	23 51	0 18	18 3	1 38	9 54	10 55	10 24	10 34	21 29	14 59	1 21
W29	7 24	6 38	0n45	4 43	0 56	2 10	1 8	17 24	5 59	3 6	1 8	20 40	0 23	23 51	0 18	18 3	1 38	9 53	10 55	10 24	10 35	21 26	14 59	1 21
T 30	7 1	0 53	1 51	3 57	0 50	1 39	1 7	17 25	5 56	3 10	1 8	20 39	0 23	23 51	0 18	18 3	1 38	9 53	10 55	10 24	10 36	21 24	14 58	1 21
F 31	6n39	4n59	2n52	3n11	0n44	1n 8	1n 5	17s27	5s52	3s15	1n 8	20n38	0n23	23s51	0s18	18s 3	1n38	9n53	10s56	10s24	10s37	21s22	14n58	1s22

Julian Day Number = 2141672.5, Delta T = 15m14s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'41, Lahiri = 12°01'41 Julian Calendar 1 Aug. 1151 == Greg. Calendar 8 Aug. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

SEPTEMBER 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 4 9	14♍ 8'15	18♈28	25♍22	0♎53	28°R34	11♎ 1	0♌ 5	28°R56	27♏19	1°R41	3°R 7	2♓28	5♒17	14°R29	S 1
S 2	23 8 6	15° 6'55	1♉14	27° 2	2° 8	28♒22	11°13	0°11	28°D56	27°20	1♊41	3♓ 5	2°25	5°24	14♉28	S 2
M 3	23 12 2	16° 5'37	14°15	28°40	3°22	28°11	11°25	0°17	28♐56	27°21	1°41	3° 4	2°22	5°30	14°27	M 3
T 4	23 15 59	17° 4'22	27°32	0♎17	4°36	28° 0	11°38	0°23	28°56	27°22	1°40	3° 2	2°19	5°37	14°26	T 4
W 5	23 19 55	18° 3'09	11♊ 5	1°54	5°50	27°50	11°50	0°29	28°56	27°23	1°40	3° 2	2°15	5°44	14°24	W 5
T 6	23 23 52	19° 1'58	24°56	3°29	7° 5	27°40	12° 3	0°35	28°57	27°24	1°40	3°D 2	2°12	5°50	14°23	T 6
F 7	23 27 49	20° 0'50	9♋ 3	5° 4	8°19	27°32	12°15	0°41	28°57	27°25	1°40	3° 2	2° 9	5°57	14°21	F 7
S 8	23 31 45	20°59'44	23°26	6°37	9°33	27°24	12°28	0°47	28°57	27°27	1°39	3° 3	2° 6	6° 4	14°20	S 8
S 9	23 35 42	21°58'41	8♌ 2	8°10	10°48	27°16	12°40	0°53	28°57	27°28	1°39	3° 5	2° 3	6°10	14°18	S 9
M10	23 39 38	22°57'39	22°46	9°42	12° 2	27°10	12°53	0°59	28°58	27°29	1°39	3° 6	2° 0	6°17	14°17	M10
T 11	23 43 35	23°56'40	7♍32	11°13	13°16	27° 4	13° 6	1° 4	28°58	27°30	1°39	3°R 6	1°56	6°24	14°15	T 11
W12	23 47 31	24°55'43	22°14	12°43	14°31	26°59	13°18	1°10	28°59	27°31	1°38	3° 5	1°53	6°30	14°13	W12
T 13	23 51 28	25°54'48	6♎44	14°12	15°45	26°54	13°31	1°16	28°59	27°33	1°38	3° 3	1°50	6°37	14°12	T 13
F 14	23 55 24	26°53'55	20°57	15°40	16°59	26°51	13°44	1°21	29° 0	27°34	1°37	3° 0	1°47	6°44	14°10	F 14
S 15	23 59 21	27°53'04	4♏47	17° 8	18°14	26°48	13°57	1°26	29° 1	27°35	1°37	2°56	1°44	6°50	14° 8	S 15
S 16	0 3 18	28°52'15	18°13	18°34	19°28	26°46	14° 9	1°32	29° 1	27°37	1°37	2°52	1°40	6°57	14° 6	S 16
M17	0 7 14	29°51'28	1♐14	19°59	20°42	26°45	14°22	1°37	29° 2	27°38	1°36	2°49	1°37	7° 3	14° 4	M17
T 18	0 11 11	0♎50'43	13°53	21°24	21°56	26°D45	14°35	1°42	29° 3	27°39	1°36	2°46	1°34	7°10	14° 2	T 18
W19	0 15 7	1°50'00	26°13	22°47	23°11	26°46	14°48	1°47	29° 4	27°41	1°35	2°45	1°31	7°17	14° 0	W19
T 20	0 19 4	2°49'18	8♑17	24°10	24°25	26°47	15° 1	1°52	29° 5	27°42	1°35	2°D45	1°28	7°23	13°58	T 20
F 21	0 23 0	3°48'38	20°12	25°31	25°39	26°49	15°14	1°57	29° 6	27°44	1°34	2°46	1°25	7°30	13°56	F 21
S 22	0 26 57	4°48'00	2♒ 1	26°52	26°53	26°52	15°27	2° 2	29° 7	27°45	1°34	2°48	1°21	7°37	13°54	S 22
S 23	0 30 53	5°47'24	13°50	28°11	28° 8	26°56	15°40	2° 7	29° 8	27°47	1°33	2°50	1°18	7°43	13°51	S 23
M24	0 34 50	6°46'50	25°43	29°29	29°22	27° 0	15°53	2°12	29° 9	27°48	1°32	2°51	1°15	7°50	13°49	M24
T 25	0 38 47	7°46'18	7♓45	0♏46	0♏36	27° 6	16° 6	2°16	29°10	27°50	1°32	2°R51	1°12	7°57	13°47	T 25
W26	0 42 43	8°45'47	19°57	2° 1	1°50	27°12	16°19	2°21	29°11	27°52	1°31	2°50	1° 9	8° 3	13°44	W26
T 27	0 46 40	9°45'19	2♈22	3°15	3° 5	27°19	16°32	2°25	29°12	27°53	1°31	2°46	1° 5	8°10	13°42	T 27
F 28	0 50 36	10°44'52	15° 2	4°27	4°19	27°26	16°45	2°30	29°14	27°55	1°30	2°41	1° 2	8°17	13°40	F 28
S 29	0 54 33	11°44'28	27°57	5°37	5°33	27°34	16°58	2°34	29°15	27°57	1°29	2°35	0°59	8°23	13°37	S 29
S 30	0 58 29	12♎44'05	11♉ 5	6♏46	6♏47	27♒43	17♎11	2♌38	29♐16	27♏58	1♊29	2♓28	0♓56	8♒30	13♉34	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n16	10n44	3n45	2n25	0n38	0n37	1n 4	17s28	5s48	3s20	1n 8	20n36	0n23	23s50	0s18	18s 4	1n38	9n53	10s56	10s25	10s39	21s19	14n58	1s22
S 2	5 53	16 9	4 29	1 40	0 31	0 6	1 2	17 28	5 44	3 25	1 8	20 35	0 23	23 50	0 18	18 4	1 38	9 53	10 56	10 25	10 40	21 17	14 57	1 22
M 3	5 31	20 57	5 0	0 54	0 24	0s26	1 0	17 28	5 40	3 30	1 8	20 34	0 23	23 50	0 18	18 4	1 38	9 52	10 56	10 26	10 41	21 14	14 57	1 22
T 4	5 8	24 48	5 15	0 9	0 17	0 57	0 58	17 28	5 36	3 35	1 7	20 33	0 24	23 50	0 18	18 4	1 38	9 52	10 56	10 26	10 42	21 12	14 56	1 22
W 5	4 45	27 23	5 13	0s36	0 10	1 28	0 56	17 28	5 32	3 40	1 7	20 32	0 24	23 50	0 18	18 5	1 38	9 52	10 56	10 27	10 43	21 10	14 55	1 22
T 6	4 22	28 21	4 54	1 21	0 3	1 59	0 55	17 27	5 28	3 45	1 7	20 30	0 24	23 50	0 18	18 5	1 38	9 52	10 57	10 27	10 44	21 7	14 55	1 23
F 7	3 58	27 30	4 16	2 5	0s 4	2 31	0 53	17 26	5 23	3 50	1 7	20 29	0 24	23 50	0 18	18 5	1 38	9 51	10 57	10 26	10 45	21 5	14 54	1 23
S 8	3 35	24 49	3 22	2 49	0 11	3 2	0 51	17 25	5 19	3 55	1 7	20 28	0 24	23 50	0 18	18 6	1 38	9 51	10 57	10 26	10 47	21 2	14 54	1 23
S 9	3 12	20 30	2 14	3 32	0 18	3 33	0 49	17 23	5 15	4 0	1 7	20 27	0 24	23 50	0 18	18 6	1 38	9 51	10 57	10 25	10 48	21 0	14 53	1 23
M10	2 48	14 53	0 57	4 15	0 26	4 4	0 46	17 22	5 10	4 5	1 7	20 26	0 24	23 50	0 18	18 6	1 38	9 51	10 57	10 25	10 49	20 57	14 53	1 23
T 11	2 25	8 24	0s24	4 58	0 33	4 35	0 44	17 19	5 5	4 10	1 7	20 25	0 24	23 50	0 18	18 7	1 38	9 51	10 58	10 25	10 50	20 55	14 52	1 23
W12	2 1	1 31	1 44	5 40	0 40	5 6	0 42	17 17	5 1	4 15	1 7	20 23	0 24	23 50	0 18	18 7	1 38	9 50	10 58	10 25	10 51	20 52	14 51	1 23
T 13	1 38	5s22	2 55	6 22	0 48	5 37	0 40	17 14	4 56	4 20	1 7	20 22	0 25	23 50	0 18	18 7	1 38	9 50	10 58	10 26	10 52	20 50	14 51	1 24
F 14	1 14	11 49	3 54	7 3	0 55	6 7	0 38	17 11	4 51	4 25	1 7	20 21	0 25	23 50	0 18	18 8	1 37	9 50	10 58	10 27	10 53	20 47	14 50	1 24
S 15	0 51	17 31	4 37	7 43	1 2	6 38	0 35	17 7	4 47	4 30	1 7	20 20	0 25	23 50	0 18	18 8	1 37	9 50	10 58	10 29	10 55	20 45	14 49	1 24
S 16	0 27	22 11	5 4	8 23	1 10	7 9	0 33	17 3	4 42	4 35	1 7	20 19	0 25	23 50	0 18	18 8	1 37	9 49	10 58	10 30	10 56	20 43	14 48	1 24
M17	0 3	25 37	5 14	9 2	1 17	7 39	0 31	16 59	4 37	4 40	1 6	20 18	0 25	23 50	0 18	18 9	1 37	9 49	10 59	10 31	10 57	20 40	14 48	1 24
T 18	0s20	27 40	5 8	9 41	1 24	8 9	0 28	16 55	4 32	4 45	1 6	20 17	0 25	23 50	0 18	18 9	1 37	9 49	10 59	10 32	10 58	20 38	14 47	1 24
W19	0 44	28 18	4 48	10 19	1 31	8 39	0 26	16 50	4 28	4 50	1 6	20 16	0 25	23 50	0 18	18 9	1 37	9 48	10 59	10 32	10 59	20 35	14 46	1 25
T 20	1 8	27 33	4 16	10 56	1 38	9 9	0 23	16 45	4 23	4 55	1 6	20 15	0 25	23 50	0 18	18 10	1 37	9 48	10 59	10 32	11 0	20 33	14 45	1 25
F 21	1 31	25 32	3 33	11 32	1 45	9 38	0 21	16 40	4 18	5 0	1 6	20 14	0 26	23 50	0 18	18 10	1 37	9 48	10 59	10 32	11 1	20 30	14 45	1 25
S 22	1 55	22 25	2 41	12 8	1 51	10 8	0 18	16 35	4 13	5 6	1 6	20 13	0 26	23 50	0 18	18 11	1 37	9 48	10 59	10 31	11 3	20 28	14 44	1 25
S 23	2 19	18 23	1 42	12 43	1 58	10 37	0 16	16 29	4 9	5 11	1 6	20 12	0 26	23 50	0 18	18 11	1 37	9 47	11 0	10 31	11 4	20 25	14 43	1 25
M24	2 42	13 37	0 39	13 17	2 4	11 6	0 13	16 23	4 4	5 16	1 6	20 11	0 26	23 50	0 17	18 11	1 37	9 47	11 0	10 30	11 5	20 22	14 42	1 25
T 25	3 6	8 18	0n27	13 50	2 10	11 34	0 11	16 17	3 59	5 21	1 6	20 10	0 26	23 50	0 17	18 12	1 37	9 47	11 0	10 30	11 6	20 20	14 41	1 25
W26	3 29	2 35	1 32	14 22	2 16	12 3	0 8	16 10	3 55	5 26	1 6	20 9	0 26	23 50	0 17	18 12	1 37	9 47	11 0	10 31	11 7	20 17	14 41	1 26
T 27	3 53	3n18	2 34	14 53	2 22	12 31	0 5	16 3	3 50	5 31	1 6	20 8	0 26	23 50	0 17	18 13	1 37	9 46	11 0	10 32	11 8	20 15	14 40	1 26
F 28	4 16	9 10	3 29	15 23	2 28	12 59	0 3	15 56	3 45	5 36	1 6	20 8	0 27	23 50	0 17	18 13	1 37	9 46	11 0	10 34	11 9	20 12	14 39	1 26
S 29	4 40	14 45	4 15	15 51	2 33	13 26	0s 0	15 49	3 41	5 41	1 6	20 7	0 27	23 50	0 17	18 13	1 37	9 46	11 1	10 36	11 11	20 10	14 38	1 26
S 30	5s 3	19n47	4n48	16s19	2s38	13s53	0s 3	15s42	3s36	5s46	1n 6	20n 6	0n27	23s50	0s17	18s14	1n37	9n46	11s 1	10s39	11s12	20s 7	14n37	1s26

Julian Day Number = 2141703.5, Delta T = 15m14s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'45, Lahiri = 12°01'46 Julian Calendar 1 Sept. 1151 == Greg. Calendar 8 Sept. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

OCTOBER 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 2 26	13♎43'45	24♉27	7♏52	8♏ 1	27♒53	17♎24	2♌42	29♐18	28♏ 0	1°R28	2°R21	0♓53	8♒37	13°R32	M 1
T 2	1 6 22	14°43'28	8♊ 1	8°57	9°15	28° 3	17°37	2°46	29°19	28° 2	1♊27	2♓15	0°50	8°43	13♉29	T 2
W 3	1 10 19	15°43'12	21°45	9°59	10°30	28°14	17°50	2°50	29°21	28° 3	1°26	2°11	0°46	8°50	13°27	W 3
T 4	1 14 16	16°42'59	5♋38	10°58	11°44	28°26	18° 4	2°54	29°22	28° 5	1°26	2° 9	0°43	8°57	13°24	T 4
F 5	1 18 12	17°42'49	19°40	11°54	12°58	28°38	18°17	2°58	29°24	28° 7	1°25	2°D 8	0°40	9° 3	13°21	F 5
S 6	1 22 9	18°42'40	3♌48	12°47	14°12	28°51	18°30	3° 2	29°26	28° 9	1°24	2° 9	0°37	9°10	13°18	S 6
S 7	1 26 5	19°42'34	18° 3	13°36	15°26	29° 5	18°43	3° 5	29°27	28°11	1°23	2°10	0°34	9°17	13°16	S 7
M 8	1 30 2	20°42'30	2♍21	14°21	16°40	29°19	18°56	3° 9	29°29	28°13	1°22	2°R11	0°31	9°23	13°13	M 8
T 9	1 33 58	21°42'28	16°41	15° 1	17°54	29°34	19° 9	3°12	29°31	28°15	1°22	2°10	0°27	9°30	13°10	T 9
W10	1 37 55	22°42'28	0♎58	15°37	19° 8	29°50	19°22	3°15	29°33	28°16	1°21	2° 7	0°24	9°37	13° 7	W10
T 11	1 41 51	23°42'31	15° 8	16° 7	20°23	0♓ 6	19°35	3°19	29°35	28°18	1°20	2° 1	0°21	9°43	13° 4	T 11
F 12	1 45 48	24°42'35	29° 6	16°31	21°37	0°22	19°48	3°22	29°37	28°20	1°19	1°53	0°18	9°50	13° 1	F 12
S 13	1 49 45	25°42'41	12♏47	16°48	22°51	0°40	20° 2	3°25	29°39	28°22	1°18	1°44	0°15	9°57	12°58	S 13
S 14	1 53 41	26°42'49	26° 8	16°58	24° 5	0°57	20°15	3°27	29°41	28°24	1°17	1°34	0°11	10° 3	12°55	S 14
M15	1 57 38	27°42'59	9♐ 8	16°R59	25°19	1°16	20°28	3°30	29°43	28°26	1°16	1°25	0° 8	10°10	12°52	M15
T 16	2 1 34	28°43'11	21°47	16°52	26°33	1°35	20°41	3°33	29°45	28°28	1°15	1°17	0° 5	10°17	12°49	T 16
W17	2 5 31	29°43'24	4♑ 7	16°36	27°47	1°54	20°54	3°36	29°47	28°30	1°14	1°11	0° 2	10°23	12°46	W17
T 18	2 9 27	0♏43'39	16°12	16°11	29° 1	2°14	21° 7	3°38	29°49	28°32	1°13	1° 8	29♒59	10°30	12°43	T 18
F 19	2 13 24	1°43'55	28° 6	15°35	0♐15	2°34	21°20	3°40	29°52	28°34	1°12	1°D 7	29°56	10°36	12°40	F 19
S 20	2 17 20	2°44'13	9♒55	14°50	1°29	2°55	21°33	3°43	29°54	28°36	1°11	1° 7	29°52	10°43	12°37	S 20
S 21	2 21 17	3°44'32	21°44	13°55	2°43	3°17	21°46	3°45	29°56	28°39	1°10	1° 7	29°49	10°50	12°34	S 21
M22	2 25 14	4°44'53	3♓38	12°52	3°57	3°38	21°59	3°47	29°59	28°41	1° 9	1°R 8	29°46	10°56	12°31	M22
T 23	2 29 10	5°45'15	15°43	11°41	5°11	4° 1	22°12	3°49	0♑ 1	28°43	1° 8	1° 7	29°43	11° 3	12°28	T 23
W24	2 33 7	6°45'39	28° 2	10°25	6°25	4°23	22°25	3°51	0° 3	28°45	1° 7	1° 3	29°40	11°10	12°25	W24
T 25	2 37 3	7°46'04	10♈39	9° 6	7°39	4°46	22°38	3°52	0° 6	28°47	1° 6	0°57	29°37	11°16	12°22	T 25
F 26	2 41 0	8°46'31	23°36	7°45	8°53	5°10	22°51	3°54	0° 8	28°49	1° 5	0°49	29°33	11°23	12°18	F 26
S 27	2 44 56	9°46'59	6♉52	6°27	10° 6	5°34	23° 3	3°55	0°11	28°51	1° 4	0°38	29°30	11°30	12°15	S 27
S 28	2 48 53	10°47'29	20°26	5°12	11°20	5°58	23°16	3°57	0°14	28°54	1° 3	0°26	29°27	11°36	12°12	S 28
M29	2 52 49	11°48'01	4♊15	4° 4	12°34	6°23	23°29	3°58	0°16	28°56	1° 2	0°14	29°24	11°43	12° 9	M29
T 30	2 56 46	12°48'34	18°14	3° 5	13°48	6°48	23°42	3°59	0°19	28°58	1° 1	0° 4	29°21	11°50	12° 6	T 30
W31	3 0 43	13♏49'10	2♋21	2♏16	15♐ 2	7♓13	23♎55	4♌ 0	0♑22	29♏ 0	1♊ 0	29♒55	29♒17	11♒56	12♉ 3	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s26	23n55	5n 6	16s45	2s42	14s20	0s 6	15s34	3s32	5s51	1n 6	20n 5	0n27	23s50	0s17	18s14	1n37	9n45	11s 1	10s41	11s13	20s 5	14n36	1s26
T 2	5 50	26 48	5 8	17 10	2 47	14 47	0 8	15 27	3 27	5 56	1 6	20 4	0 27	23 50	0 17	18 15	1 37	9 45	11 1	10 43	11 14	20 2	14 35	1 26
W 3	6 13	28 9	4 52	17 34	2 50	15 13	0 11	15 19	3 23	6 1	1 6	20 3	0 27	23 50	0 17	18 15	1 37	9 45	11 1	10 45	11 15	20 0	14 34	1 27
T 4	6 36	27 44	4 18	17 56	2 54	15 39	0 14	15 10	3 19	6 6	1 6	20 3	0 27	23 50	0 17	18 16	1 37	9 44	11 1	10 46	11 16	19 57	14 33	1 27
F 5	6 59	25 33	3 29	18 16	2 56	16 4	0 17	15 2	3 14	6 11	1 6	20 2	0 28	23 50	0 17	18 16	1 37	9 44	11 1	10 46	11 17	19 54	14 32	1 27
S 6	7 22	21 46	2 27	18 35	2 59	16 29	0 19	14 53	3 10	6 16	1 6	20 1	0 28	23 50	0 17	18 16	1 36	9 44	11 2	10 46	11 18	19 52	14 31	1 27
S 7	7 45	16 41	1 16	18 51	3 0	16 53	0 22	14 45	3 6	6 21	1 6	20 1	0 28	23 50	0 17	18 17	1 36	9 44	11 2	10 45	11 20	19 49	14 30	1 27
M 8	8 7	10 40	0s 1	19 6	3 1	17 18	0 25	14 36	3 2	6 26	1 6	20 0	0 28	23 50	0 17	18 17	1 36	9 43	11 2	10 45	11 21	19 47	14 30	1 27
T 9	8 30	4 5	1 17	19 18	3 1	17 41	0 28	14 27	2 57	6 31	1 6	19 59	0 28	23 50	0 17	18 18	1 36	9 43	11 2	10 45	11 22	19 44	14 29	1 27
W10	8 52	2s40	2 29	19 28	3 1	18 5	0 30	14 17	2 53	6 36	1 6	19 59	0 28	23 50	0 17	18 18	1 36	9 43	11 2	10 46	11 23	19 42	14 28	1 28
T 11	9 15	9 13	3 30	19 36	2 59	18 27	0 33	14 8	2 49	6 41	1 6	19 58	0 28	23 50	0 17	18 19	1 36	9 43	11 2	10 48	11 24	19 39	14 27	1 28
F 12	9 37	15 13	4 17	19 40	2 56	18 50	0 36	13 58	2 45	6 46	1 6	19 57	0 29	23 50	0 17	18 19	1 36	9 42	11 2	10 51	11 25	19 36	14 26	1 28
S 13	9 59	20 20	4 49	19 41	2 53	19 11	0 39	13 48	2 41	6 51	1 6	19 57	0 29	23 50	0 17	18 20	1 36	9 42	11 2	10 55	11 26	19 34	14 25	1 28
S 14	10 21	24 18	5 4	19 39	2 48	19 33	0 41	13 38	2 38	6 56	1 6	19 56	0 29	23 50	0 17	18 20	1 36	9 42	11 2	10 58	11 27	19 31	14 24	1 28
M15	10 43	26 54	5 3	19 34	2 41	19 54	0 44	13 28	2 34	7 1	1 6	19 56	0 29	23 50	0 17	18 21	1 36	9 41	11 3	11 1	11 29	19 28	14 23	1 28
T 16	11 4	28 3	4 46	19 24	2 33	20 14	0 47	13 18	2 30	7 6	1 6	19 55	0 29	23 50	0 17	18 21	1 36	9 41	11 3	11 4	11 30	19 26	14 21	1 28
W17	11 26	27 46	4 17	19 10	2 24	20 34	0 49	13 7	2 26	7 11	1 6	19 55	0 29	23 50	0 17	18 21	1 36	9 41	11 3	11 6	11 31	19 23	14 20	1 28
T 18	11 47	26 9	3 36	18 52	2 13	20 53	0 52	12 57	2 23	7 16	1 6	19 54	0 29	23 50	0 17	18 22	1 36	9 41	11 3	11 7	11 32	19 21	14 19	1 28
F 19	12 8	23 22	2 47	18 29	2 0	21 11	0 55	12 46	2 19	7 21	1 6	19 54	0 30	23 50	0 17	18 22	1 36	9 40	11 3	11 8	11 33	19 18	14 18	1 29
S 20	12 29	19 38	1 51	18 2	1 45	21 29	0 57	12 35	2 15	7 26	1 6	19 54	0 30	23 50	0 17	18 23	1 36	9 40	11 3	11 8	11 34	19 15	14 17	1 29
S 21	12 49	15 7	0 50	17 30	1 29	21 47	1 0	12 24	2 12	7 30	1 6	19 53	0 30	23 50	0 17	18 23	1 36	9 40	11 3	11 8	11 35	19 13	14 16	1 29
M22	13 10	10 1	0n13	16 54	1 11	22 4	1 2	12 13	2 8	7 35	1 6	19 53	0 30	23 50	0 17	18 24	1 36	9 40	11 3	11 7	11 36	19 10	14 15	1 29
T 23	13 30	4 28	1 17	16 14	0 52	22 20	1 5	12 1	2 5	7 40	1 6	19 53	0 30	23 50	0 17	18 24	1 36	9 39	11 3	11 8	11 38	19 7	14 14	1 29
W24	13 50	1n20	2 18	15 31	0 32	22 35	1 7	11 50	2 2	7 45	1 6	19 52	0 30	23 50	0 17	18 25	1 36	9 39	11 3	11 9	11 39	19 5	14 13	1 29
T 25	14 10	7 12	3 14	14 47	0 11	22 50	1 10	11 38	1 58	7 50	1 6	19 52	0 30	23 50	0 17	18 25	1 36	9 39	11 3	11 11	11 40	19 2	14 12	1 29
F 26	14 29	12 56	4 1	14 1	0n 9	23 5	1 12	11 27	1 55	7 54	1 6	19 52	0 31	23 50	0 17	18 26	1 36	9 39	11 3	11 14	11 41	18 59	14 11	1 29
S 27	14 49	18 13	4 36	13 16	0 30	23 18	1 15	11 15	1 52	7 59	1 6	19 52	0 31	23 50	0 17	18 26	1 36	9 38	11 3	11 18	11 42	18 57	14 10	1 29
S 28	15 8	22 42	4 57	12 33	0 49	23 31	1 17	11 3	1 49	8 4	1 6	19 52	0 31	23 50	0 17	18 27	1 36	9 38	11 3	11 22	11 43	18 54	14 9	1 30
M29	15 27	26 1	5 1	11 53	1 7	23 43	1 19	10 51	1 45	8 9	1 6	19 51	0 31	23 50	0 17	18 27	1 36	9 38	11 3	11 26	11 44	18 51	14 8	1 30
T 30	15 45	27 47	4 47	11 17	1 24	23 55	1 22	10 38	1 42	8 13	1 6	19 51	0 31	23 50	0 17	18 28	1 36	9 38	11 4	11 30	11 45	18 49	14 7	1 30
W31	16s 4	27n47	4n15	10s46	1n39	24s 6	1s24	10s26	1s39	8s18	1n 6	19n51	0n31	23s50	0s17	18s28	1n36	9n37	11s 4	11s33	11s46	18s46	14n 6	1s30

Julian Day Number = 2141733.5, Delta T = 15m14s
Ecliptic obliquity = 23°33'06, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'49, Lahiri = 12°01'50 Julian Calendar 1 Oct. 1151 == Greg. Calendar 8 Oct. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

NOVEMBER 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 4 39	14♏49'47	16♋30	1°R39	16♐16	7♓39	24♎ 7	4♌ 1	0♑24	29♏ 2	0°R59	29°R50	29♒14	12♒ 3	11°R59	T 1
F 2	3 8 36	15°50'25	0♌38	1♏12	17°29	8° 5	24°20	4° 2	0°27	29° 4	0♊58	29♒47	29°11	12°10	11♉56	F 2
S 3	3 12 32	16°51'06	14°45	0°58	18°43	8°32	24°33	4° 3	0°30	29° 7	0°57	29°D46	29° 8	12°16	11°53	S 3
S 4	3 16 29	17°51'48	28°49	0°D55	19°57	8°58	24°45	4° 3	0°33	29° 9	0°56	29°R47	29° 5	12°23	11°50	S 4
M 5	3 20 25	18°52'32	12♍49	1° 3	21°11	9°25	24°58	4° 4	0°36	29°11	0°54	29°46	29° 2	12°30	11°47	M 5
T 6	3 24 22	19°53'17	26°45	1°20	22°24	9°53	25°10	4° 4	0°39	29°13	0°53	29°44	28°58	12°36	11°44	T 6
W 7	3 28 18	20°54'04	10♎35	1°47	23°38	10°20	25°23	4° 5	0°41	29°16	0°52	29°39	28°55	12°43	11°41	W 7
T 8	3 32 15	21°54'52	24°18	2°23	24°52	10°48	25°35	4° 5	0°44	29°18	0°51	29°31	28°52	12°50	11°38	T 8
F 9	3 36 12	22°55'42	7♏52	3° 5	26° 5	11°17	25°48	4°R 5	0°47	29°20	0°50	29°20	28°49	12°56	11°34	F 9
S 10	3 40 8	23°56'34	21°13	3°55	27°19	11°45	26° 0	4° 5	0°50	29°22	0°49	29° 7	28°46	13° 3	11°31	S 10
S 11	3 44 5	24°57'27	4♐19	4°50	28°32	12°14	26°12	4° 5	0°54	29°25	0°48	28°53	28°43	13° 9	11°28	S 11
M12	3 48 1	25°58'20	17° 8	5°50	29°46	12°43	26°25	4° 4	0°57	29°27	0°47	28°39	28°39	13°16	11°25	M12
T 13	3 51 58	26°59'15	29°41	6°54	1♑ 0	13°13	26°37	4° 4	1° 0	29°29	0°45	28°28	28°36	13°23	11°22	T 13
W14	3 55 54	28° 0'11	11♑58	8° 3	2°13	13°42	26°49	4° 3	1° 3	29°31	0°44	28°18	28°33	13°29	11°19	W14
T 15	3 59 51	29° 1'08	24° 1	9°14	3°27	14°12	27° 1	4° 3	1° 6	29°34	0°43	28°12	28°30	13°36	11°16	T 15
F 16	4 3 47	0♐ 2'06	5♒54	10°29	4°40	14°42	27°13	4° 2	1° 9	29°36	0°42	28° 8	28°27	13°43	11°13	F 16
S 17	4 7 44	1° 3'04	17°42	11°46	5°53	15°13	27°25	4° 1	1°12	29°38	0°41	28° 7	28°23	13°49	11°10	S 17
S 18	4 11 41	2° 4'03	29°30	13° 5	7° 7	15°43	27°37	4° 0	1°16	29°40	0°40	28° 7	28°20	13°56	11° 8	S 18
M19	4 15 37	3° 5'03	11♓23	14°26	8°20	16°14	27°49	3°59	1°19	29°43	0°38	28° 7	28°17	14° 3	11° 5	M19
T 20	4 19 34	4° 6'03	23°27	15°48	9°33	16°45	28° 1	3°58	1°22	29°45	0°37	28° 5	28°14	14° 9	11° 2	T 20
W21	4 23 30	5° 7'04	5♈47	17°12	10°47	17°16	28°13	3°57	1°25	29°47	0°36	28° 2	28°11	14°16	10°59	W21
T 22	4 27 27	6° 8'06	18°28	18°36	12° 0	17°48	28°24	3°55	1°29	29°50	0°35	27°56	28° 8	14°23	10°56	T 22
F 23	4 31 23	7° 9'08	1♉33	20° 2	13°13	18°20	28°36	3°54	1°32	29°52	0°34	27°48	28° 4	14°29	10°53	F 23
S 24	4 35 20	8°10'11	15° 3	21°29	14°26	18°51	28°48	3°52	1°35	29°54	0°33	27°37	28° 1	14°36	10°51	S 24
S 25	4 39 16	9°11'15	28°56	22°56	15°39	19°23	28°59	3°50	1°39	29°56	0°32	27°24	27°58	14°43	10°48	S 25
M26	4 43 13	10°12'19	13♊ 9	24°24	16°52	19°56	29°10	3°49	1°42	29°59	0°30	27°12	27°55	14°49	10°45	M26
T 27	4 47 10	11°13'24	27°37	25°53	18° 5	20°28	29°22	3°47	1°46	0♐ 1	0°29	27° 1	27°52	14°56	10°43	T 27
W28	4 51 6	12°14'30	12♋11	27°22	19°18	21° 0	29°33	3°45	1°49	0° 3	0°28	26°52	27°49	15° 3	10°40	W28
T 29	4 55 3	13°15'37	26°46	28°52	20°31	21°33	29°44	3°43	1°52	0° 5	0°27	26°46	27°45	15° 9	10°38	T 29
F 30	4 58 59	14♐16'44	11♌15	0♐22	21♑44	22♓ 6	29♎55	3♌40	1♑56	0♐ 7	0♊26	26♒43	27♒42	15♒16	10♉35	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s22	25n58	3n28	10s21	1n52	24s16	1s26	10s14	1s36	8s23	1n 6	19n51	0n32	23s50	0s17	18s29	1n36	9n37	11s 4	11s35	11s48	18s43	14n 5	1s30
F 2	16 39	22 31	2 28	10 2	2 3	24 26	1 28	10 1	1 33	8 27	1 6	19 51	0 32	23 50	0 17	18 29	1 36	9 37	11 4	11 36	11 49	18 41	14 4	1 30
S 3	16 57	17 44	1 19	9 48	2 12	24 34	1 30	9 49	1 31	8 32	1 6	19 51	0 32	23 50	0 17	18 30	1 36	9 37	11 4	11 36	11 50	18 38	14 3	1 30
S 4	17 14	12 1	0 5	9 41	2 19	24 42	1 33	9 36	1 28	8 37	1 6	19 51	0 32	23 50	0 17	18 30	1 36	9 36	11 4	11 36	11 51	18 35	14 2	1 30
M 5	17 31	5 44	1s 8	9 39	2 24	24 50	1 35	9 23	1 25	8 41	1 6	19 51	0 32	23 50	0 17	18 31	1 36	9 36	11 4	11 36	11 52	18 33	14 1	1 30
T 6	17 48	0s48	2 17	9 41	2 27	24 56	1 36	9 10	1 22	8 46	1 6	19 51	0 32	23 50	0 17	18 31	1 36	9 36	11 4	11 37	11 53	18 30	14 0	1 30
W 7	18 4	7 14	3 18	9 49	2 29	25 2	1 38	8 57	1 19	8 50	1 6	19 51	0 32	23 50	0 17	18 32	1 36	9 36	11 4	11 39	11 54	18 27	13 59	1 30
T 8	18 20	13 16	4 6	10 0	2 30	25 7	1 40	8 44	1 17	8 55	1 6	19 51	0 33	23 50	0 17	18 32	1 36	9 35	11 4	11 42	11 55	18 24	13 58	1 30
F 9	18 35	18 36	4 40	10 15	2 30	25 12	1 42	8 31	1 14	8 59	1 6	19 51	0 33	23 50	0 17	18 33	1 36	9 35	11 4	11 46	11 56	18 22	13 56	1 31
S 10	18 51	22 55	4 57	10 34	2 28	25 15	1 44	8 17	1 12	9 4	1 6	19 52	0 33	23 50	0 17	18 33	1 36	9 35	11 4	11 50	11 58	18 19	13 55	1 31
S 11	19 6	25 59	4 59	10 54	2 26	25 18	1 45	8 4	1 9	9 8	1 6	19 52	0 33	23 50	0 17	18 34	1 36	9 35	11 4	11 55	11 59	18 16	13 54	1 31
M12	19 20	27 39	4 45	11 18	2 22	25 20	1 47	7 50	1 7	9 13	1 6	19 52	0 33	23 50	0 17	18 34	1 36	9 35	11 4	12 0	12 0	18 14	13 53	1 31
T 13	19 35	27 50	4 17	11 42	2 18	25 21	1 48	7 37	1 4	9 17	1 6	19 52	0 33	23 50	0 17	18 35	1 36	9 34	11 4	12 4	12 1	18 11	13 52	1 31
W14	19 48	26 38	3 38	12 9	2 14	25 22	1 50	7 23	1 2	9 21	1 6	19 53	0 34	23 50	0 17	18 35	1 36	9 34	11 4	12 7	12 2	18 8	13 51	1 31
T 15	20 2	24 12	2 50	12 37	2 8	25 22	1 51	7 9	0 59	9 26	1 6	19 53	0 34	23 50	0 17	18 36	1 36	9 34	11 4	12 9	12 3	18 5	13 50	1 31
F 16	20 15	20 44	1 55	13 5	2 3	25 21	1 53	6 55	0 57	9 30	1 6	19 53	0 34	23 50	0 17	18 36	1 36	9 34	11 4	12 11	12 4	18 3	13 50	1 31
S 17	20 28	16 28	0 55	13 35	1 57	25 19	1 54	6 42	0 55	9 34	1 7	19 53	0 34	23 50	0 17	18 37	1 36	9 34	11 3	12 11	12 5	18 0	13 49	1 31
S 18	20 40	11 35	0n 7	14 5	1 51	25 16	1 55	6 28	0 52	9 38	1 7	19 54	0 34	23 50	0 17	18 37	1 36	9 33	11 3	12 11	12 6	17 57	13 48	1 31
M19	20 52	6 15	1 10	14 35	1 44	25 13	1 56	6 13	0 50	9 43	1 7	19 54	0 34	23 50	0 17	18 38	1 36	9 33	11 3	12 11	12 8	17 54	13 47	1 31
T 20	21 4	0 38	2 10	15 6	1 37	25 9	1 57	5 59	0 48	9 47	1 7	19 55	0 35	23 50	0 17	18 38	1 36	9 33	11 3	12 12	12 9	17 52	13 46	1 31
W21	21 15	5n 9	3 5	15 36	1 30	25 4	1 58	5 45	0 46	9 51	1 7	19 55	0 35	23 50	0 17	18 39	1 36	9 33	11 3	12 13	12 10	17 49	13 45	1 31
T 22	21 26	10 52	3 53	16 7	1 23	24 59	1 59	5 31	0 44	9 55	1 7	19 56	0 35	23 50	0 17	18 39	1 36	9 33	11 3	12 15	12 11	17 46	13 44	1 31
F 23	21 36	16 17	4 30	16 37	1 16	24 52	2 0	5 16	0 41	9 59	1 7	19 56	0 35	23 50	0 17	18 40	1 36	9 33	11 3	12 18	12 12	17 43	13 43	1 31
S 24	21 46	21 6	4 54	17 7	1 9	24 45	2 0	5 2	0 39	10 3	1 7	19 57	0 35	23 50	0 17	18 40	1 36	9 32	11 3	12 22	12 13	17 40	13 42	1 31
S 25	21 56	24 54	5 1	17 36	1 1	24 38	2 1	4 48	0 37	10 7	1 7	19 57	0 35	23 50	0 17	18 41	1 36	9 32	11 3	12 26	12 14	17 38	13 41	1 31
M26	22 5	27 16	4 49	18 5	0 54	24 29	2 1	4 33	0 35	10 11	1 7	19 58	0 35	23 50	0 17	18 41	1 36	9 32	11 3	12 30	12 15	17 35	13 40	1 31
T 27	22 14	27 51	4 20	18 34	0 47	24 20	2 2	4 18	0 33	10 15	1 7	19 58	0 36	23 50	0 17	18 41	1 36	9 32	11 3	12 34	12 16	17 32	13 40	1 32
W28	22 22	26 31	3 33	19 2	0 39	24 10	2 2	4 4	0 31	10 19	1 7	19 59	0 36	23 50	0 17	18 42	1 36	9 32	11 3	12 37	12 17	17 29	13 39	1 32
T 29	22 30	23 23	2 32	19 29	0 32	24 0	2 2	3 49	0 30	10 23	1 7	20 0	0 36	23 50	0 17	18 42	1 36	9 32	11 3	12 39	12 19	17 27	13 38	1 32
F 30	22s37	18n47	1n21	19s55	0n25	23s48	2s 3	3s34	0s28	10s27	1n 8	20n 0	0n36	23s50	0s17	18s43	1n36	9n32	11s 3	12s40	12s20	17s24	13n37	1s32

Julian Day Number = 2141764.5, Delta T = 15m13s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'54, Lahiri = 12°01'54 Julian Calendar 1 Nov. 1151 == Greg. Calendar 8 Nov. 1151

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ASTRODIENST EPHEMERIS for the year 1151
geocentric

DECEMBER 1151 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 2 56	15♐17'52	25♌35	1♐52	22♑57	22♓39	0♏ 7	3°R38	1♑59	0♐10	0°R25	26°D42	27♒39	15♒22	10°R33	S 1
S 2	5 6 52	16°19'01	9♍42	3°23	24°10	23°12	0°18	3♌35	2° 3	0°12	0♊24	26°R43	27°36	15°29	10♉30	S 2
M 3	5 10 49	17°20'10	23°38	4°54	25°22	23°45	0°28	3°33	2° 6	0°14	0°23	26♒43	27°33	15°36	10°28	M 3
T 4	5 14 46	18°21'21	7♎21	6°25	26°35	24°19	0°39	3°30	2°10	0°16	0°22	26°41	27°29	15°42	10°26	T 4
W 5	5 18 42	19°22'32	20°53	7°57	27°47	24°53	0°50	3°28	2°13	0°18	0°21	26°37	27°26	15°49	10°23	W 5
T 6	5 22 39	20°23'43	4♏13	9°29	29° 0	25°26	1° 1	3°25	2°17	0°21	0°19	26°30	27°23	15°56	10°21	T 6
F 7	5 26 35	21°24'55	17°22	11° 1	0♒12	26° 0	1°11	3°22	2°20	0°23	0°18	26°21	27°20	16° 2	10°19	F 7
S 8	5 30 32	22°26'08	0♐19	12°33	1°25	26°34	1°22	3°19	2°24	0°25	0°17	26°10	27°17	16° 9	10°17	S 8
S 9	5 34 28	23°27'21	13° 5	14° 6	2°37	27° 8	1°32	3°16	2°27	0°27	0°16	25°58	27°14	16°16	10°15	S 9
M10	5 38 25	24°28'34	25°37	15°39	3°49	27°43	1°42	3°12	2°31	0°29	0°15	25°46	27°10	16°22	10°13	M10
T 11	5 42 21	25°29'48	7♑58	17°12	5° 2	28°17	1°52	3° 9	2°34	0°31	0°14	25°35	27° 7	16°29	10°11	T 11
W12	5 46 18	26°31'01	20° 6	18°46	6°14	28°51	2° 3	3° 6	2°38	0°33	0°13	25°27	27° 4	16°36	10° 9	W12
T 13	5 50 15	27°32'14	2♒ 5	20°19	7°26	29°26	2°13	3° 2	2°42	0°35	0°12	25°21	27° 1	16°42	10° 7	T 13
F 14	5 54 11	28°33'28	13°55	21°53	8°38	0♈ 1	2°22	2°59	2°45	0°37	0°11	25°18	26°58	16°49	10° 5	F 14
S 15	5 58 8	29°34'40	25°42	23°28	9°50	0°36	2°32	2°55	2°49	0°39	0°10	25°D18	26°55	16°56	10° 3	S 15
S 16	6 2 4	0♑35'53	7♓28	25° 3	11° 2	1°11	2°42	2°52	2°52	0°42	0° 9	25°18	26°51	17° 2	10° 1	S 16
M17	6 6 1	1°37'05	19°20	26°38	12°13	1°46	2°51	2°48	2°56	0°44	0° 8	25°19	26°48	17° 9	10° 0	M17
T 18	6 9 57	2°38'17	1♈21	28°13	13°25	2°21	3° 1	2°44	3° 0	0°46	0° 7	25°R20	26°45	17°15	9°58	T 18
W19	6 13 54	3°39'29	13°39	29°49	14°37	2°56	3°10	2°40	3° 3	0°48	0° 6	25°19	26°42	17°22	9°57	W19
T 20	6 17 50	4°40'40	26°17	1♑26	15°48	3°32	3°20	2°36	3° 7	0°49	0° 5	25°17	26°39	17°29	9°55	T 20
F 21	6 21 47	5°41'50	9♉20	3° 2	16°59	4° 7	3°29	2°32	3°10	0°51	0° 4	25°12	26°35	17°35	9°54	F 21
S 22	6 25 44	6°43'00	22°50	4°39	18°11	4°43	3°38	2°28	3°14	0°53	0° 4	25° 6	26°32	17°42	9°52	S 22
S 23	6 29 40	7°44'10	6♊49	6°17	19°22	5°18	3°47	2°24	3°17	0°55	0° 3	24°58	26°29	17°49	9°51	S 23
M24	6 33 37	8°45'19	21°13	7°55	20°33	5°54	3°55	2°19	3°21	0°57	0° 2	24°50	26°26	17°55	9°50	M24
T 25	6 37 33	9°46'27	5♋57	9°34	21°44	6°30	4° 4	2°15	3°25	0°59	0° 1	24°43	26°23	18° 2	9°48	T 25
W26	6 41 30	10°47'36	20°54	11°13	22°55	7° 5	4°13	2°11	3°28	1° 1	0° 0	24°37	26°20	18° 9	9°47	W26
T 27	6 45 26	11°48'43	5♌54	12°52	24° 5	7°41	4°21	2° 6	3°32	1° 3	29♉59	24°34	26°16	18°15	9°46	T 27
F 28	6 49 23	12°49'50	20°49	14°32	25°16	8°17	4°29	2° 2	3°35	1° 5	29°58	24°D33	26°13	18°22	9°45	F 28
S 29	6 53 20	13°50'57	5♍31	16°12	26°26	8°53	4°37	1°57	3°39	1° 6	29°58	24°33	26°10	18°29	9°44	S 29
S 30	6 57 16	14°52'04	19°57	17°53	27°37	9°30	4°46	1°53	3°42	1° 8	29°57	24°34	26° 7	18°35	9°43	S 30
M31	7 1 13	15♑53'10	4♎ 2	19♑35	28♒47	10♈ 6	4♏53	1♌48	3♑46	1♐10	29♉56	24♒36	26♒ 4	18♒42	9♉43	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s44	13n 9	0n 6	20s21	0n17	23s36	2s 3	3s20	0s26	10s30	1n 8	20n 1	0n36	23s50	0s17	18s43	1n36	9n31	11s 3	12s40	12s21	17s21	13n36	1s32
S 2	22 51	6 54	1s 9	20 46	0 10	23 24	2 3	3 5	0 24	10 34	1 8	20 2	0 36	23 49	0 17	18 44	1 36	9 31	11 2	12 40	12 22	17 18	13 35	1 32
M 3	22 57	0 26	2 18	21 10	0 3	23 10	2 2	2 50	0 22	10 38	1 8	20 3	0 37	23 49	0 17	18 44	1 36	9 31	11 2	12 40	12 23	17 15	13 35	1 32
T 4	23 2	5s58	3 18	21 33	0s 4	22 56	2 2	2 35	0 21	10 42	1 8	20 3	0 37	23 49	0 17	18 45	1 36	9 31	11 2	12 41	12 24	17 12	13 34	1 32
W 5	23 7	11 59	4 7	21 55	0 11	22 42	2 2	2 20	0 19	10 45	1 8	20 4	0 37	23 49	0 17	18 45	1 36	9 31	11 2	12 42	12 25	17 10	13 33	1 32
T 6	23 12	17 23	4 41	22 16	0 18	22 26	2 2	2 5	0 17	10 49	1 8	20 5	0 37	23 49	0 17	18 46	1 36	9 31	11 2	12 44	12 26	17 7	13 32	1 32
F 7	23 16	21 52	4 59	22 36	0 25	22 10	2 1	1 50	0 15	10 52	1 8	20 6	0 37	23 49	0 17	18 46	1 36	9 31	11 2	12 48	12 27	17 4	13 32	1 32
S 8	23 20	25 14	5 2	22 55	0 31	21 54	2 1	1 35	0 14	10 56	1 8	20 7	0 37	23 49	0 17	18 46	1 36	9 31	11 2	12 51	12 28	17 1	13 31	1 32
S 9	23 23	27 16	4 50	23 13	0 38	21 37	2 0	1 20	0 12	11 0	1 8	20 8	0 37	23 49	0 17	18 47	1 36	9 31	11 2	12 55	12 29	16 58	13 30	1 32
M10	23 26	27 52	4 23	23 30	0 44	21 19	1 59	1 5	0 11	11 3	1 9	20 8	0 38	23 49	0 17	18 47	1 36	9 31	11 1	13 0	12 31	16 56	13 30	1 32
T 11	23 28	27 3	3 45	23 46	0 50	21 1	1 58	0 49	0 9	11 6	1 9	20 9	0 38	23 49	0 17	18 48	1 36	9 31	11 1	13 3	12 32	16 53	13 29	1 32
W12	23 30	24 57	2 57	24 0	0 56	20 42	1 57	0 34	0 7	11 10	1 9	20 10	0 38	23 49	0 17	18 48	1 36	9 30	11 1	13 6	12 33	16 50	13 28	1 32
T 13	23 32	21 45	2 1	24 13	1 2	20 22	1 56	0 19	0 6	11 13	1 9	20 11	0 38	23 49	0 17	18 48	1 36	9 30	11 1	13 8	12 34	16 47	13 28	1 32
F 14	23 33	17 42	1 1	24 25	1 7	20 2	1 55	0 4	0 4	11 16	1 9	20 12	0 38	23 49	0 17	18 49	1 36	9 30	11 1	13 9	12 35	16 44	13 27	1 32
S 15	23 33	12 59	0n 2	24 36	1 13	19 42	1 54	0n12	0 3	11 20	1 9	20 13	0 38	23 49	0 17	18 49	1 36	9 30	11 1	13 9	12 36	16 41	13 27	1 32
S 16	23 33	7 48	1 5	24 46	1 18	19 20	1 52	0 27	0 2	11 23	1 9	20 14	0 38	23 49	0 17	18 50	1 36	9 30	11 1	13 9	12 37	16 38	13 26	1 32
M17	23 32	2 19	2 6	24 54	1 23	18 59	1 51	0 42	0 0	11 26	1 9	20 15	0 39	23 49	0 17	18 50	1 36	9 30	11 0	13 8	12 38	16 36	13 26	1 32
T 18	23 31	3n19	3 2	25 0	1 28	18 37	1 49	0 57	0n 1	11 29	1 10	20 16	0 39	23 48	0 17	18 50	1 36	9 30	11 0	13 8	12 39	16 33	13 25	1 32
W19	23 30	8 57	3 51	25 6	1 32	18 14	1 47	1 13	0 3	11 32	1 10	20 17	0 39	23 48	0 17	18 51	1 36	9 30	11 0	13 8	12 40	16 30	13 25	1 32
T 20	23 28	14 22	4 30	25 9	1 37	17 51	1 46	1 28	0 4	11 35	1 10	20 18	0 39	23 48	0 17	18 51	1 36	9 30	11 0	13 9	12 41	16 27	13 24	1 32
F 21	23 26	19 21	4 56	25 12	1 41	17 28	1 44	1 44	0 5	11 38	1 10	20 19	0 39	23 48	0 17	18 52	1 36	9 30	11 0	13 11	12 43	16 24	13 24	1 32
S 22	23 23	23 31	5 8	25 13	1 45	17 4	1 42	1 59	0 7	11 41	1 10	20 20	0 39	23 48	0 17	18 52	1 36	9 30	11 0	13 13	12 44	16 21	13 23	1 32
S 23	23 19	26 30	5 2	25 12	1 48	16 40	1 40	2 14	0 8	11 44	1 10	20 22	0 39	23 48	0 17	18 52	1 36	9 30	10 59	13 16	12 45	16 18	13 23	1 32
M24	23 16	27 51	4 36	25 10	1 51	16 15	1 37	2 30	0 9	11 47	1 10	20 23	0 40	23 48	0 17	18 53	1 36	9 30	10 59	13 18	12 46	16 15	13 22	1 32
T 25	23 11	27 17	3 52	25 6	1 54	15 50	1 35	2 45	0 10	11 50	1 10	20 24	0 40	23 48	0 17	18 53	1 36	9 30	10 59	13 21	12 47	16 13	13 22	1 32
W26	23 7	24 45	2 52	25 1	1 57	15 24	1 33	3 0	0 12	11 52	1 11	20 25	0 40	23 48	0 18	18 53	1 36	9 30	10 59	13 23	12 48	16 10	13 22	1 32
T 27	23 1	20 29	1 39	24 54	1 59	14 58	1 30	3 16	0 13	11 55	1 11	20 26	0 40	23 48	0 18	18 54	1 36	9 30	10 59	13 24	12 49	16 7	13 21	1 32
F 28	22 56	14 57	0 20	24 46	2 1	14 32	1 28	3 31	0 14	11 58	1 11	20 27	0 40	23 48	0 18	18 54	1 36	9 30	10 58	13 24	12 50	16 4	13 21	1 32
S 29	22 50	8 37	0s59	24 35	2 3	14 6	1 25	3 46	0 15	12 0	1 11	20 28	0 40	23 48	0 18	18 54	1 36	9 30	10 58	13 24	12 51	16 1	13 21	1 32
S 30	22 43	1 57	2 14	24 24	2 4	13 39	1 22	4 2	0 16	12 3	1 11	20 29	0 40	23 47	0 18	18 55	1 36	9 30	10 58	13 24	12 52	15 58	13 20	1 32
M31	22s36	4s39	3s18	24s10	2s 4	13s11	1s19	4n17	0n17	12s 6	1n11	20n31	0n41	23s47	0s18	18s55	1n36	9n30	10s58	13s23	12s53	15s55	13n20	1s32

Julian Day Number = 2141794.5, Delta T = 15m13s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°54'58, Lahiri = 12°01'58 Julian Calendar 1 Dec. 1151 == Greg. Calendar 8 Dec. 1151

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

JANUARY 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 9	16♉54'15	17♎48	21♉17	29♒57	10♈42	5♏ 1	1°R44	3♉49	1♐12	29°R55	24°R36	26♒ 1	18♒49	9°R42	T 1
W 2	7 9 6	17°55'21	1♏14	22°59	1♓ 7	11°18	5° 9	1♌39	3°53	1°13	29♉55	24♒35	25°57	18°55	9♉41	W 2
T 3	7 13 2	18°56'26	14°22	24°42	2°16	11°55	5°16	1°34	3°56	1°15	29°54	24°33	25°54	19° 2	9°40	T 3
F 4	7 16 59	19°57'30	27°15	26°25	3°26	12°31	5°24	1°30	4° 0	1°17	29°53	24°28	25°51	19° 8	9°40	F 4
S 5	7 20 55	20°58'34	9♐53	28° 9	4°36	13° 8	5°31	1°25	4° 3	1°18	29°53	24°23	25°48	19°15	9°39	S 5
S 6	7 24 52	21°59'38	22°20	29°53	5°45	13°44	5°38	1°20	4° 7	1°20	29°52	24°17	25°45	19°22	9°39	S 6
M 7	7 28 49	23° 0'40	4♉36	1♒37	6°54	14°21	5°45	1°15	4°10	1°21	29°51	24°11	25°41	19°28	9°39	M 7
T 8	7 32 45	24° 1'42	16°42	3°22	8° 3	14°57	5°52	1°10	4°14	1°23	29°51	24° 6	25°38	19°35	9°38	T 8
W 9	7 36 42	25° 2'43	28°41	5° 6	9°12	15°34	5°59	1° 6	4°17	1°25	29°50	24° 2	25°35	19°42	9°38	W 9
T 10	7 40 38	26° 3'43	10♒33	6°50	10°21	16°11	6° 5	1° 1	4°20	1°26	29°49	23°59	25°32	19°48	9°38	T 10
F 11	7 44 35	27° 4'41	22°21	8°34	11°29	16°48	6°11	0°56	4°24	1°28	29°49	23°D58	25°29	19°55	9°38	F 11
S 12	7 48 31	28° 5'39	4♓ 7	10°18	12°38	17°25	6°18	0°51	4°27	1°29	29°48	23°59	25°26	20° 2	9°D38	S 12
S 13	7 52 28	29° 6'35	15°54	12° 1	13°46	18° 1	6°24	0°46	4°31	1°30	29°48	24° 0	25°22	20° 8	9°38	S 13
M14	7 56 24	0♒ 7'30	27°47	13°43	14°54	18°38	6°30	0°41	4°34	1°32	29°47	24° 2	25°19	20°15	9°38	M14
T 15	8 0 21	1° 8'23	9♈49	15°24	16° 1	19°15	6°35	0°36	4°37	1°33	29°47	24° 4	25°16	20°22	9°38	T 15
W16	8 4 18	2° 9'15	22° 4	17° 4	17° 9	19°52	6°41	0°31	4°40	1°35	29°46	24° 5	25°13	20°28	9°38	W16
T 17	8 8 14	3°10'06	4♉37	18°41	18°16	20°30	6°46	0°26	4°44	1°36	29°46	24°R 5	25°10	20°35	9°38	T 17
F 18	8 12 11	4°10'55	17°34	20°16	19°23	21° 7	6°52	0°21	4°47	1°37	29°45	24° 5	25° 7	20°42	9°39	F 18
S 19	8 16 7	5°11'43	0♊56	21°48	20°30	21°44	6°57	0°17	4°50	1°38	29°45	24° 3	25° 3	20°48	9°39	S 19
S 20	8 20 4	6°12'29	14°47	23°17	21°37	22°21	7° 2	0°12	4°53	1°40	29°45	24° 1	25° 0	20°55	9°40	S 20
M21	8 24 0	7°13'14	29° 5	24°41	22°43	22°58	7° 7	0° 7	4°57	1°41	29°44	23°59	24°57	21° 1	9°40	M21
T 22	8 27 57	8°13'57	13♋49	26° 1	23°50	23°35	7°11	0° 2	5° 0	1°42	29°44	23°57	24°54	21° 8	9°41	T 22
W23	8 31 53	9°14'38	28°50	27°15	24°55	24°13	7°16	29♋57	5° 3	1°43	29°44	23°55	24°51	21°15	9°42	W23
T 24	8 35 50	10°15'18	14♌ 2	28°23	26° 1	24°50	7°20	29°52	5° 6	1°44	29°43	23°54	24°47	21°21	9°42	T 24
F 25	8 39 47	11°15'56	29°15	29°24	27° 6	25°27	7°24	29°48	5° 9	1°45	29°43	23°D54	24°44	21°28	9°43	F 25
S 26	8 43 43	12°16'33	14♍18	0♓18	28°11	26° 5	7°28	29°43	5°12	1°46	29°43	23°55	24°41	21°35	9°44	S 26
S 27	8 47 40	13°17'09	29° 5	1° 3	29°16	26°42	7°32	29°38	5°15	1°47	29°43	23°55	24°38	21°41	9°45	S 27
M28	8 51 36	14°17'43	13♎28	1°39	0♈21	27°19	7°35	29°34	5°18	1°48	29°42	23°56	24°35	21°48	9°46	M28
T 29	8 55 33	15°18'16	27°27	2° 5	1°25	27°57	7°39	29°29	5°21	1°49	29°42	23°57	24°32	21°55	9°47	T 29
W30	8 59 29	16°18'48	11♏ 0	2°22	2°29	28°34	7°42	29°24	5°24	1°50	29°42	23°R57	24°28	22° 1	9°48	W30
T 31	9 3 26	17♒19'19	24♏ 8	2°R28	3♈32	29♈12	7♏45	29♋20	5♉27	1♐51	29♉42	23♒57	24♒25	22♒ 8	9♉49	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s29	10s51	4s10	23s55	2s 5	12s44	1s16	4n32	0n19	12s 8	1n12	20n32	0n41	23s47	0s18	18s55	1n36	9n31	10s58	13s23	12s54	15s52	13n20	1s32
W 2	22 21	16 25	4 46	23 38	2 5	12 16	1 13	4 48	0 20	12 10	1 12	20 33	0 41	23 47	0 18	18 56	1 36	9 31	10 57	13 23	12 56	15 49	13 20	1 32
T 3	22 12	21 6	5 7	23 19	2 4	11 48	1 10	5 3	0 21	12 13	1 12	20 34	0 41	23 47	0 18	18 56	1 36	9 31	10 57	13 24	12 57	15 46	13 20	1 32
F 4	22 4	24 41	5 11	22 59	2 3	11 20	1 7	5 18	0 22	12 15	1 12	20 35	0 41	23 47	0 18	18 56	1 36	9 31	10 57	13 26	12 58	15 44	13 19	1 32
S 5	21 54	26 59	5 0	22 37	2 1	10 51	1 3	5 33	0 23	12 17	1 12	20 36	0 41	23 47	0 18	18 57	1 36	9 31	10 57	13 27	12 59	15 41	13 19	1 32
S 6	21 45	27 55	4 35	22 13	1 59	10 22	1 0	5 49	0 24	12 20	1 12	20 38	0 41	23 47	0 18	18 57	1 36	9 31	10 56	13 29	13 0	15 38	13 19	1 32
M 7	21 35	27 26	3 58	21 47	1 57	9 53	0 56	6 4	0 25	12 22	1 12	20 39	0 41	23 47	0 18	18 57	1 36	9 31	10 56	13 31	13 1	15 35	13 19	1 32
T 8	21 24	25 39	3 10	21 20	1 53	9 24	0 52	6 19	0 26	12 24	1 13	20 40	0 42	23 47	0 18	18 58	1 37	9 31	10 56	13 33	13 2	15 32	13 19	1 32
W 9	21 13	22 43	2 14	20 51	1 50	8 54	0 48	6 34	0 27	12 26	1 13	20 41	0 42	23 47	0 18	18 58	1 37	9 31	10 56	13 34	13 3	15 29	13 19	1 32
T 10	21 2	18 51	1 13	20 21	1 45	8 25	0 45	6 49	0 28	12 28	1 13	20 42	0 42	23 46	0 18	18 58	1 37	9 31	10 55	13 35	13 4	15 26	13 19	1 32
F 11	20 50	14 16	0 9	19 49	1 40	7 55	0 41	7 4	0 29	12 30	1 13	20 44	0 42	23 46	0 18	18 58	1 37	9 31	10 55	13 36	13 5	15 23	13 19	1 32
S 12	20 38	9 11	0n56	19 15	1 34	7 25	0 36	7 19	0 30	12 32	1 13	20 45	0 42	23 46	0 18	18 59	1 37	9 32	10 55	13 35	13 6	15 20	13 19	1 32
S 13	20 26	3 46	1 58	18 40	1 27	6 55	0 32	7 34	0 31	12 34	1 13	20 46	0 42	23 46	0 18	18 59	1 37	9 32	10 55	13 35	13 7	15 17	13 19	1 32
M14	20 13	1n48	2 56	18 4	1 20	6 24	0 28	7 49	0 32	12 35	1 14	20 47	0 42	23 46	0 18	18 59	1 37	9 32	10 55	13 34	13 8	15 14	13 19	1 32
T 15	20 0	7 22	3 47	17 26	1 12	5 54	0 24	8 4	0 32	12 37	1 14	20 48	0 42	23 46	0 18	18 59	1 37	9 32	10 54	13 34	13 10	15 11	13 19	1 32
W16	19 46	12 46	4 28	16 48	1 3	5 23	0 19	8 19	0 33	12 39	1 14	20 49	0 42	23 46	0 18	19 0	1 37	9 32	10 54	13 33	13 11	15 8	13 19	1 32
T 17	19 32	17 48	4 58	16 9	0 54	4 53	0 15	8 34	0 34	12 40	1 14	20 51	0 42	23 46	0 18	19 0	1 37	9 32	10 54	13 33	13 12	15 5	13 19	1 32
F 18	19 18	22 10	5 14	15 29	0 43	4 22	0 10	8 49	0 35	12 42	1 14	20 52	0 43	23 46	0 18	19 0	1 37	9 32	10 54	13 33	13 13	15 2	13 19	1 32
S 19	19 3	25 33	5 14	14 48	0 32	3 52	0 5	9 4	0 36	12 43	1 15	20 53	0 43	23 46	0 18	19 0	1 37	9 33	10 53	13 34	13 14	14 59	13 19	1 32
S 20	18 48	27 34	4 56	14 8	0 20	3 21	0 0	9 18	0 37	12 45	1 15	20 54	0 43	23 45	0 18	19 0	1 37	9 33	10 53	13 35	13 15	14 56	13 19	1 32
M21	18 33	27 52	4 19	13 28	0 7	2 50	0n 4	9 33	0 37	12 46	1 15	20 55	0 43	23 45	0 18	19 1	1 37	9 33	10 53	13 35	13 16	14 53	13 20	1 32
T 22	18 18	26 13	3 24	12 48	0n 7	2 19	0 9	9 48	0 38	12 48	1 15	20 56	0 43	23 45	0 18	19 1	1 37	9 33	10 53	13 36	13 17	14 50	13 20	1 32
W23	18 2	22 41	2 15	12 9	0 21	1 48	0 14	10 2	0 39	12 49	1 15	20 57	0 43	23 45	0 18	19 1	1 37	9 33	10 52	13 37	13 18	14 47	13 20	1 32
T 24	17 45	17 34	0 54	11 32	0 36	1 17	0 20	10 17	0 40	12 50	1 15	20 58	0 43	23 45	0 18	19 1	1 37	9 34	10 52	13 37	13 19	14 44	13 20	1 32
F 25	17 29	11 20	0s30	10 56	0 51	0 47	0 25	10 31	0 40	12 51	1 16	21 0	0 43	23 45	0 18	19 1	1 37	9 34	10 52	13 37	13 20	14 42	13 21	1 32
S 26	17 12	4 30	1 51	10 23	1 7	0 16	0 30	10 45	0 41	12 52	1 16	21 1	0 43	23 45	0 18	19 1	1 37	9 34	10 51	13 37	13 21	14 39	13 21	1 32
S 27	16 55	2s26	3 3	9 52	1 23	0n15	0 35	11 0	0 42	12 53	1 16	21 2	0 43	23 45	0 18	19 2	1 37	9 34	10 51	13 37	13 22	14 36	13 21	1 32
M28	16 37	9 3	4 2	9 24	1 39	0 46	0 41	11 14	0 43	12 54	1 16	21 3	0 43	23 45	0 18	19 2	1 37	9 34	10 51	13 36	13 23	14 33	13 21	1 32
T 29	16 19	15 2	4 44	8 59	1 55	1 16	0 46	11 28	0 43	12 55	1 16	21 4	0 44	23 45	0 18	19 2	1 37	9 35	10 51	13 36	13 24	14 30	13 22	1 32
W30	16 1	20 5	5 10	8 39	2 11	1 47	0 52	11 42	0 44	12 56	1 17	21 5	0 44	23 44	0 18	19 2	1 37	9 35	10 50	13 36	13 26	14 27	13 22	1 32
T 31	15s43	24s 1	5s18	8s22	2n27	2n18	0n58	11n56	0n45	12s57	1n17	21n 6	0n44	23s44	0s18	19s 2	1n38	9n35	10s50	13s36	13s27	14s24	13n23	1s32

Julian Day Number = 2141825.5, Delta T = 15m13s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'02, Lahiri = 12°02'02 Julian Calendar 1 Jan. 1152 == Greg. Calendar 8 Jan. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

FEBRUARY 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 7 22	18♒19'48	6♐56	2°R24	4♈36	29♈49	7♏48	29°R15	5♑30	1♐52	29°R42	23°R57	24♒22	22♒15	9♉50	F 1
S 2	9 11 19	19°20'16	19°25	2♓11	5°38	0♉27	7°51	29♋11	5°33	1°53	29♉42	23♒56	24°19	22°21	9°52	S 2
S 3	9 15 16	20°20'43	1♑40	1°47	6°41	1° 4	7°53	29° 6	5°35	1°54	29°42	23°56	24°16	22°28	9°53	S 3
M 4	9 19 12	21°21'08	13°44	1°14	7°43	1°42	7°56	29° 2	5°38	1°54	29°42	23°56	24°13	22°35	9°55	M 4
T 5	9 23 9	22°21'31	25°39	0°33	8°45	2°19	7°58	28°58	5°41	1°55	29°41	23°55	24° 9	22°41	9°56	T 5
W 6	9 27 5	23°21'53	7♒30	29♒44	9°46	2°57	8° 0	28°53	5°44	1°56	29°D41	23°55	24° 6	22°48	9°58	W 6
T 7	9 31 2	24°22'13	19°17	28°50	10°48	3°35	8° 2	28°49	5°46	1°56	29°41	23°55	24° 3	22°54	9°59	T 7
F 8	9 34 58	25°22'31	1♓ 4	27°51	11°48	4°12	8° 3	28°45	5°49	1°57	29°41	23°55	24° 0	23° 1	10° 1	F 8
S 9	9 38 55	26°22'47	12°53	26°48	12°48	4°50	8° 5	28°41	5°51	1°58	29°42	23°55	23°57	23° 8	10° 3	S 9
S 10	9 42 51	27°23'02	24°46	25°45	13°48	5°28	8° 6	28°37	5°54	1°58	29°42	23°55	23°53	23°14	10° 4	S 10
M11	9 46 48	28°23'14	6♈44	24°41	14°47	6° 5	8° 7	28°33	5°57	1°59	29°42	23°54	23°50	23°21	10° 6	M11
T 12	9 50 45	29°23'25	18°52	23°40	15°46	6°43	8° 8	28°29	5°59	1°59	29°42	23°54	23°47	23°28	10° 8	T 12
W13	9 54 41	0♓23'33	1♉11	22°41	16°45	7°21	8° 8	28°25	6° 1	2° 0	29°42	23°53	23°44	23°34	10°10	W13
T 14	9 58 38	1°23'40	13°46	21°45	17°43	7°58	8° 9	28°22	6° 4	2° 0	29°42	23°52	23°41	23°41	10°12	T 14
F 15	10 2 34	2°23'44	26°39	20°55	18°40	8°36	8° 9	28°18	6° 6	2° 1	29°42	23°D52	23°38	23°48	10°14	F 15
S 16	10 6 31	3°23'46	9♊54	20°11	19°37	9°14	8°R 9	28°15	6° 9	2° 1	29°43	23°52	23°34	23°54	10°16	S 16
S 17	10 10 27	4°23'46	23°33	19°32	20°33	9°52	8° 9	28°11	6°11	2° 1	29°43	23°52	23°31	24° 1	10°19	S 17
M18	10 14 24	5°23'43	7♋37	19° 0	21°29	10°29	8° 9	28° 8	6°13	2° 2	29°43	23°53	23°28	24° 8	10°21	M18
T 19	10 18 20	6°23'39	22° 5	18°35	22°24	11° 7	8° 9	28° 4	6°15	2° 2	29°43	23°54	23°25	24°14	10°23	T 19
W20	10 22 17	7°23'32	6♌55	18°16	23°18	11°45	8° 8	28° 1	6°18	2° 2	29°44	23°55	23°22	24°21	10°25	W20
T 21	10 26 14	8°23'23	21°59	18° 4	24°12	12°23	8° 7	27°58	6°20	2° 2	29°44	23°R55	23°18	24°27	10°28	T 21
F 22	10 30 10	9°23'12	7♍11	17°D59	25° 5	13° 0	8° 6	27°55	6°22	2° 2	29°44	23°55	23°15	24°34	10°30	F 22
S 23	10 34 7	10°22'59	22°20	17°59	25°57	13°38	8° 5	27°52	6°24	2° 3	29°45	23°54	23°12	24°41	10°33	S 23
S 24	10 38 3	11°22'43	7♎18	18° 6	26°49	14°16	8° 3	27°49	6°26	2° 3	29°45	23°52	23° 9	24°47	10°35	S 24
M25	10 42 0	12°22'26	21°55	18°18	27°40	14°54	8° 2	27°46	6°28	2° 3	29°45	23°50	23° 6	24°54	10°38	M25
T 26	10 45 56	13°22'07	6♏ 7	18°36	28°30	15°31	8° 0	27°44	6°30	2°R 3	29°46	23°47	23° 3	25° 1	10°41	T 26
W27	10 49 53	14°21'47	19°52	18°59	29°20	16° 9	7°58	27°41	6°31	2° 3	29°46	23°45	22°59	25° 7	10°43	W27
T 28	10 53 49	15°21'24	3♐ 8	19°27	0♉ 8	16°47	7°56	27°38	6°33	2° 3	29°47	23°43	22°56	25°14	10°46	T 28
F 29	10 57 46	16♓21'00	15♐59	19♒59	0♉56	17♉25	7♏54	27♋36	6♑35	2♐ 3	29♉47	23°D43	22♒53	25♒21	10♉49	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s24	26s39	5s10	8s 9	2n41	2n48	1n 3	12n10	0n45	12s58	1n17	21n 7	0n44	23s44	0s18	19s 2	1n38	9n35	10s50	13s36	13s28	14s21	13n23	1s32
S 2	15 5	27 54	4 47	8 1	2 55	3 18	1 9	12 24	0 46	12 59	1 17	21 8	0 44	23 44	0 18	19 2	1 38	9 36	10 50	13 36	13 29	14 18	13 23	1 32
S 3	14 46	27 44	4 12	7 58	3 8	3 49	1 15	12 38	0 47	12 59	1 17	21 9	0 44	23 44	0 18	19 3	1 38	9 36	10 49	13 36	13 30	14 15	13 24	1 32
M 4	14 27	26 15	3 25	7 59	3 19	4 19	1 21	12 51	0 47	13 0	1 17	21 10	0 44	23 44	0 18	19 3	1 38	9 36	10 49	13 36	13 31	14 12	13 24	1 32
T 5	14 7	23 35	2 31	8 5	3 28	4 49	1 27	13 5	0 48	13 0	1 18	21 11	0 44	23 44	0 18	19 3	1 38	9 36	10 49	13 37	13 32	14 9	13 25	1 32
W 6	13 48	19 56	1 30	8 15	3 36	5 19	1 33	13 19	0 48	13 1	1 18	21 12	0 44	23 44	0 18	19 3	1 38	9 37	10 49	13 37	13 33	14 6	13 25	1 32
T 7	13 28	15 31	0 26	8 28	3 42	5 48	1 39	13 32	0 49	13 1	1 18	21 13	0 44	23 44	0 18	19 3	1 38	9 37	10 48	13 37	13 34	14 2	13 26	1 32
F 8	13 7	10 31	0n40	8 45	3 45	6 18	1 45	13 46	0 50	13 2	1 18	21 14	0 44	23 44	0 18	19 3	1 38	9 37	10 48	13 37	13 35	13 59	13 26	1 32
S 9	12 47	5 10	1 44	9 5	3 46	6 47	1 51	13 59	0 50	13 2	1 18	21 15	0 44	23 43	0 18	19 3	1 38	9 37	10 48	13 37	13 36	13 56	13 27	1 32
S 10	12 26	0n24	2 43	9 28	3 45	7 16	1 57	14 12	0 51	13 2	1 19	21 15	0 44	23 43	0 18	19 3	1 38	9 38	10 47	13 37	13 37	13 53	13 27	1 32
M11	12 5	6 0	3 36	9 52	3 42	7 45	2 3	14 25	0 51	13 2	1 19	21 16	0 44	23 43	0 18	19 3	1 38	9 38	10 47	13 37	13 38	13 50	13 28	1 32
T 12	11 44	11 26	4 20	10 17	3 37	8 14	2 10	14 38	0 52	13 2	1 19	21 17	0 45	23 43	0 18	19 3	1 38	9 38	10 47	13 37	13 39	13 47	13 29	1 32
W13	11 23	16 31	4 53	10 43	3 30	8 42	2 16	14 51	0 52	13 2	1 19	21 18	0 45	23 43	0 18	19 3	1 38	9 39	10 47	13 37	13 40	13 44	13 29	1 32
T 14	11 2	21 0	5 13	11 9	3 21	9 10	2 22	15 4	0 53	13 2	1 19	21 19	0 45	23 43	0 18	19 3	1 38	9 39	10 46	13 38	13 41	13 41	13 30	1 32
F 15	10 40	24 38	5 17	11 34	3 11	9 38	2 29	15 17	0 54	13 2	1 20	21 20	0 45	23 43	0 18	19 3	1 38	9 39	10 46	13 38	13 42	13 38	13 31	1 32
S 16	10 18	27 4	5 5	11 59	3 0	10 6	2 35	15 29	0 54	13 2	1 20	21 20	0 45	23 43	0 18	19 3	1 38	9 39	10 46	13 38	13 44	13 35	13 31	1 32
S 17	9 57	27 59	4 36	12 22	2 48	10 33	2 42	15 42	0 55	13 2	1 20	21 21	0 45	23 43	0 18	19 3	1 38	9 40	10 46	13 38	13 45	13 32	13 32	1 32
M18	9 35	27 9	3 50	12 45	2 35	11 0	2 48	15 54	0 55	13 2	1 20	21 22	0 45	23 43	0 18	19 3	1 38	9 40	10 45	13 37	13 46	13 29	13 33	1 32
T 19	9 12	24 29	2 48	13 5	2 21	11 27	2 54	16 7	0 56	13 1	1 20	21 23	0 45	23 43	0 18	19 3	1 38	9 40	10 45	13 37	13 47	13 26	13 33	1 32
W20	8 50	20 8	1 33	13 24	2 7	11 54	3 1	16 19	0 56	13 1	1 20	21 23	0 45	23 42	0 18	19 3	1 39	9 41	10 45	13 37	13 48	13 23	13 34	1 32
T 21	8 28	14 25	0 11	13 42	1 53	12 20	3 7	16 31	0 56	13 0	1 21	21 24	0 45	23 42	0 18	19 3	1 39	9 41	10 44	13 37	13 49	13 20	13 35	1 32
F 22	8 5	7 47	1s13	13 57	1 39	12 45	3 14	16 43	0 57	13 0	1 21	21 25	0 45	23 42	0 18	19 3	1 39	9 41	10 44	13 37	13 50	13 17	13 36	1 32
S 23	7 43	0 45	2 31	14 10	1 25	13 11	3 21	16 55	0 57	12 59	1 21	21 25	0 45	23 42	0 18	19 3	1 39	9 42	10 44	13 37	13 51	13 14	13 36	1 32
S 24	7 20	6s14	3 38	14 21	1 11	13 36	3 27	17 7	0 58	12 59	1 21	21 26	0 45	23 42	0 18	19 3	1 39	9 42	10 44	13 38	13 52	13 11	13 37	1 32
M25	6 57	12 43	4 28	14 31	0 57	14 1	3 34	17 18	0 58	12 58	1 21	21 26	0 45	23 42	0 19	19 3	1 39	9 42	10 43	13 38	13 53	13 8	13 38	1 32
T 26	6 34	18 21	5 1	14 38	0 43	14 25	3 40	17 30	0 59	12 57	1 21	21 27	0 45	23 42	0 19	19 3	1 39	9 43	10 43	13 39	13 54	13 5	13 39	1 32
W27	6 11	22 50	5 15	14 44	0 30	14 49	3 47	17 41	0 59	12 57	1 22	21 28	0 45	23 42	0 19	19 3	1 39	9 43	10 43	13 40	13 55	13 2	13 40	1 32
T 28	5 48	25 58	5 12	14 47	0 17	15 12	3 53	17 53	0 59	12 56	1 22	21 28	0 45	23 42	0 19	19 3	1 39	9 43	10 43	13 41	13 56	12 59	13 40	1 32
F 29	5s25	27s39	4s52	14s49	0n 5	15n35	4n 0	18n 4	1n 0	12s55	1n22	21n29	0n45	23s42	0s19	19s 3	1n39	9n44	10s42	13s41	13s57	12s55	13n41	1s32

Julian Day Number = 2141856.5, Delta T = 15m13s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'06, Lahiri = 12°02'07 Julian Calendar 1 Feb. 1152 == Greg. Calendar 8 Feb. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

MARCH 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 43	17♓20'35	28♐28	20♒35	1♉43	18♉ 3	7°R51	27°R34	6♏37	2°R 2	29♉48	23♒43	22♒50	25♒27	10♉52	S 1
S 2	11 5 39	18°20'07	10♏39	21°16	2°29	18°40	7♏49	27♋32	6°39	2♐ 2	29°48	23°44	22°47	25°34	10°55	S 2
M 3	11 9 36	19°19'37	22°38	22° 0	3°14	19°18	7°46	27°29	6°40	2° 2	29°49	23°46	22°44	25°41	10°57	M 3
T 4	11 13 32	20°19'06	4♒29	22°48	3°58	19°56	7°43	27°27	6°42	2° 2	29°49	23°48	22°40	25°47	11° 0	T 4
W 5	11 17 29	21°18'33	16°15	23°39	4°41	20°34	7°40	27°26	6°43	2° 2	29°50	23°49	22°37	25°54	11° 3	W 5
T 6	11 21 25	22°17'57	28° 1	24°34	5°23	21°12	7°36	27°24	6°45	2° 1	29°50	23°R49	22°34	26° 1	11° 7	T 6
F 7	11 25 22	23°17'20	9♓50	25°31	6° 4	21°50	7°33	27°22	6°46	2° 1	29°51	23°48	22°31	26° 7	11°10	F 7
S 8	11 29 18	24°16'41	21°44	26°31	6°43	22°27	7°29	27°20	6°48	2° 1	29°52	23°45	22°28	26°14	11°13	S 8
S 9	11 33 15	25°15'59	3♈45	27°34	7°22	23° 5	7°25	27°19	6°49	2° 0	29°52	23°41	22°24	26°20	11°16	S 9
M10	11 37 11	26°15'16	15°55	28°39	7°59	23°43	7°21	27°18	6°50	2° 0	29°53	23°36	22°21	26°27	11°19	M10
T 11	11 41 8	27°14'30	28°16	29°46	8°35	24°21	7°17	27°16	6°52	2° 0	29°54	23°30	22°18	26°34	11°22	T 11
W12	11 45 5	28°13'42	10♉48	0♓56	9° 9	24°59	7°12	27°15	6°53	1°59	29°54	23°24	22°15	26°40	11°26	W12
T 13	11 49 1	29°12'52	23°32	2° 8	9°43	25°37	7° 8	27°14	6°54	1°59	29°55	23°19	22°12	26°47	11°29	T 13
F 14	11 52 58	0♈12'00	6♊31	3°23	10°14	26°14	7° 3	27°13	6°55	1°58	29°56	23°15	22° 9	26°54	11°33	F 14
S 15	11 56 54	1°11'05	19°47	4°39	10°45	26°52	6°58	27°12	6°56	1°58	29°57	23°12	22° 5	27° 0	11°36	S 15
S 16	12 0 51	2°10'08	3♋20	5°57	11°13	27°30	6°53	27°11	6°57	1°57	29°58	23°D12	22° 2	27° 7	11°39	S 16
M17	12 4 47	3° 9'09	17°12	7°17	11°40	28° 8	6°48	27°11	6°58	1°56	29°58	23°12	21°59	27°14	11°43	M17
T 18	12 8 44	4° 8'07	1♌23	8°39	12° 6	28°46	6°43	27°10	6°59	1°56	29°59	23°14	21°56	27°20	11°46	T 18
W19	12 12 40	5° 7'03	15°53	10° 3	12°29	29°23	6°37	27°10	7° 0	1°55	0♊ 0	23°R15	21°53	27°27	11°50	W19
T 20	12 16 37	6° 5'56	0♍37	11°28	12°51	0♊ 1	6°32	27°10	7° 1	1°54	0° 1	23°15	21°50	27°34	11°54	T 20
F 21	12 20 34	7° 4'47	15°32	12°55	13°11	0°39	6°26	27° 9	7° 1	1°54	0° 2	23°13	21°46	27°40	11°57	F 21
S 22	12 24 30	8° 3'36	0♎29	14°24	13°29	1°17	6°20	27°D 9	7° 2	1°53	0° 3	23° 9	21°43	27°47	12° 1	S 22
S 23	12 28 27	9° 2'23	15°20	15°55	13°45	1°55	6°14	27° 9	7° 3	1°52	0° 4	23° 3	21°40	27°53	12° 5	S 23
M24	12 32 23	10° 1'08	29°57	17°27	13°59	2°33	6° 8	27° 9	7° 3	1°51	0° 5	22°56	21°37	28° 0	12° 8	M24
T 25	12 36 20	10°59'51	14♏12	19° 1	14°11	3°10	6° 2	27°10	7° 4	1°50	0° 5	22°49	21°34	28° 7	12°12	T 25
W26	12 40 16	11°58'32	28° 2	20°36	14°20	3°48	5°56	27°10	7° 4	1°49	0° 6	22°41	21°30	28°13	12°16	W26
T 27	12 44 13	12°57'12	11♐25	22°13	14°28	4°26	5°49	27°10	7° 5	1°49	0° 7	22°35	21°27	28°20	12°20	T 27
F 28	12 48 9	13°55'50	24°21	23°52	14°33	5° 4	5°43	27°11	7° 5	1°48	0° 8	22°31	21°24	28°27	12°23	F 28
S 29	12 52 6	14°54'26	6♏53	25°32	14°36	5°41	5°36	27°12	7° 6	1°47	0° 9	22°29	21°21	28°33	12°27	S 29
S 30	12 56 3	15°53'00	19° 6	27°14	14°R36	6°19	5°29	27°12	7° 6	1°46	0°10	22°D29	21°18	28°40	12°31	S 30
M31	12 59 59	16♈51'33	1♒ 5	28♓58	14♉34	6♊57	5♏22	27♋13	7♏ 6	1♐45	0♊11	22♒30	21♒15	28♒47	12♉35	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 1	27s52	4s20	14s49	0s 7	15n58	4n 6	18n15	1n 0	12s54	1n22	21n29	0n45	23s42	0s19	19s 3	1n39	9n44	10s42	13s41	13s58	12s52	13n42	1s32
S 2	4 38	26 43	3 36	14 47	0 19	16 20	4 13	18 26	1 1	12 53	1 22	21 30	0 45	23 42	0 19	19 3	1 39	9 44	10 42	13 40	13 59	12 49	13 43	1 32
M 3	4 15	24 20	2 43	14 43	0 30	16 42	4 19	18 37	1 1	12 52	1 22	21 30	0 45	23 42	0 19	19 3	1 39	9 45	10 42	13 40	14 0	12 46	13 44	1 32
T 4	3 51	20 55	1 45	14 37	0 41	17 3	4 25	18 48	1 1	12 51	1 23	21 31	0 45	23 42	0 19	19 3	1 39	9 45	10 41	13 39	14 1	12 43	13 45	1 32
W 5	3 28	16 42	0 42	14 30	0 51	17 24	4 32	18 58	1 2	12 50	1 23	21 31	0 45	23 41	0 19	19 3	1 39	9 46	10 41	13 39	14 2	12 40	13 46	1 32
T 6	3 4	11 51	0n23	14 21	1 1	17 44	4 38	19 9	1 2	12 48	1 23	21 31	0 45	23 41	0 19	19 3	1 39	9 46	10 41	13 39	14 3	12 37	13 47	1 32
F 7	2 41	6 35	1 27	14 10	1 10	18 4	4 44	19 19	1 3	12 47	1 23	21 32	0 45	23 41	0 19	19 2	1 39	9 46	10 41	13 39	14 4	12 34	13 48	1 32
S 8	2 17	1 2	2 27	13 58	1 18	18 23	4 50	19 29	1 3	12 46	1 23	21 32	0 46	23 41	0 19	19 2	1 39	9 47	10 40	13 40	14 5	12 31	13 49	1 32
S 9	1 53	4n35	3 21	13 44	1 27	18 41	4 56	19 39	1 3	12 44	1 23	21 32	0 46	23 41	0 19	19 2	1 39	9 47	10 40	13 41	14 6	12 28	13 50	1 32
M10	1 30	10 5	4 7	13 28	1 34	19 0	5 2	19 49	1 4	12 43	1 23	21 33	0 46	23 41	0 19	19 2	1 39	9 47	10 40	13 43	14 8	12 25	13 51	1 32
T 11	1 6	15 17	4 42	13 11	1 42	19 17	5 8	19 59	1 4	12 41	1 24	21 33	0 46	23 41	0 19	19 2	1 40	9 48	10 40	13 45	14 9	12 22	13 52	1 32
W12	0 42	19 56	5 4	12 53	1 48	19 34	5 14	20 8	1 4	12 40	1 24	21 33	0 46	23 41	0 19	19 2	1 40	9 48	10 39	13 47	14 10	12 18	13 53	1 32
T 13	0 19	23 46	5 11	12 32	1 54	19 50	5 20	20 18	1 4	12 38	1 24	21 33	0 46	23 41	0 19	19 2	1 40	9 49	10 39	13 49	14 11	12 15	13 54	1 32
F 14	0n 5	26 28	5 3	12 11	2 0	20 5	5 25	20 27	1 5	12 37	1 24	21 34	0 46	23 41	0 19	19 1	1 40	9 49	10 39	13 50	14 12	12 12	13 55	1 32
S 15	0 28	27 47	4 39	11 48	2 5	20 20	5 30	20 36	1 5	12 35	1 24	21 34	0 46	23 41	0 19	19 1	1 40	9 49	10 39	13 51	14 13	12 9	13 56	1 32
S 16	0 52	27 29	3 58	11 23	2 10	20 35	5 36	20 45	1 5	12 33	1 24	21 34	0 46	23 41	0 19	19 1	1 40	9 50	10 38	13 51	14 14	12 6	13 57	1 32
M17	1 16	25 28	3 3	10 57	2 14	20 48	5 41	20 54	1 6	12 31	1 24	21 34	0 46	23 41	0 19	19 1	1 40	9 50	10 38	13 51	14 15	12 3	13 58	1 32
T 18	1 39	21 50	1 56	10 30	2 18	21 1	5 46	21 3	1 6	12 29	1 24	21 34	0 46	23 41	0 19	19 1	1 40	9 50	10 38	13 50	14 16	12 0	13 59	1 32
W19	2 3	16 47	0 40	10 1	2 21	21 13	5 51	21 12	1 6	12 28	1 24	21 34	0 46	23 41	0 19	19 1	1 40	9 51	10 38	13 50	14 17	11 57	14 0	1 32
T 20	2 26	10 41	0s40	9 31	2 24	21 24	5 55	21 20	1 6	12 26	1 25	21 34	0 46	23 41	0 19	19 0	1 40	9 51	10 38	13 50	14 18	11 54	14 1	1 32
F 21	2 49	3 55	1 58	8 59	2 26	21 34	5 59	21 28	1 7	12 24	1 25	21 34	0 46	23 41	0 19	19 0	1 40	9 52	10 37	13 51	14 19	11 50	14 2	1 32
S 22	3 13	3s 4	3 8	8 26	2 28	21 44	6 4	21 36	1 7	12 22	1 25	21 34	0 46	23 41	0 19	19 0	1 40	9 52	10 37	13 52	14 20	11 47	14 3	1 32
S 23	3 36	9 49	4 4	7 52	2 29	21 52	6 7	21 44	1 7	12 20	1 25	21 34	0 46	23 41	0 19	19 0	1 40	9 52	10 37	13 54	14 21	11 44	14 4	1 32
M24	3 59	15 56	4 44	7 17	2 30	22 0	6 11	21 52	1 8	12 18	1 25	21 34	0 46	23 41	0 19	19 0	1 40	9 53	10 37	13 56	14 22	11 41	14 5	1 32
T 25	4 22	21 1	5 5	6 40	2 30	22 7	6 14	22 0	1 8	12 15	1 25	21 34	0 46	23 41	0 19	18 59	1 40	9 53	10 36	13 59	14 23	11 38	14 6	1 32
W26	4 45	24 47	5 7	6 2	2 29	22 12	6 17	22 7	1 8	12 13	1 25	21 34	0 46	23 41	0 19	18 59	1 40	9 54	10 36	14 1	14 24	11 35	14 8	1 32
T 27	5 8	27 4	4 52	5 22	2 28	22 17	6 20	22 15	1 8	12 11	1 25	21 34	0 46	23 41	0 19	18 59	1 40	9 54	10 36	14 3	14 25	11 32	14 9	1 32
F 28	5 31	27 48	4 22	4 42	2 27	22 21	6 22	22 22	1 8	12 9	1 25	21 34	0 46	23 41	0 19	18 59	1 40	9 54	10 36	14 4	14 26	11 29	14 10	1 32
S 29	5 54	27 3	3 41	4 0	2 25	22 23	6 24	22 29	1 9	12 7	1 25	21 34	0 46	23 41	0 19	18 59	1 40	9 55	10 36	14 5	14 27	11 25	14 11	1 32
S 30	6 17	24 59	2 50	3 17	2 23	22 25	6 25	22 36	1 9	12 4	1 25	21 34	0 46	23 41	0 19	18 58	1 40	9 55	10 35	14 5	14 28	11 22	14 12	1 32
M31	6n39	21s51	1s53	2s33	2s20	22n25	6n26	22n42	1n 9	12s 2	1n25	21n34	0n46	23s41	0s19	18s58	1n40	9n56	10s35	14s 5	14s29	11s19	14n13	1s32

Julian Day Number = 2141885.5, Delta T = 15m12s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'10, Lahiri = 12°02'11 Julian Calendar 1 March 1152 == Greg. Calendar 8 March 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

APRIL 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 56	17♈50'04	12♒55	0♈43	14°R30	7♊35	5°R16	27♋14	7♎ 6	1°R44	0♊13	22♒31	21♒11	28♒53	12♉39	T 1
W 2	13 7 52	18°48'33	24°42	2°30	14♉23	8°13	5♏ 9	27°15	7° 6	1♐43	0°14	22°R31	21° 8	29° 0	12°43	W 2
T 3	13 11 49	19°47'00	6♓29	4°18	14°14	8°50	5° 1	27°17	7° 7	1°42	0°15	22°30	21° 5	29° 7	12°47	T 3
F 4	13 15 45	20°45'26	18°22	6° 8	14° 3	9°28	4°54	27°18	7°R 7	1°40	0°16	22°27	21° 2	29°13	12°51	F 4
S 5	13 19 42	21°43'50	0♈23	8° 0	13°49	10° 6	4°47	27°19	7° 7	1°39	0°17	22°21	20°59	29°20	12°55	S 5
S 6	13 23 38	22°42'12	12°35	9°54	13°32	10°44	4°40	27°21	7° 7	1°38	0°18	22°13	20°55	29°26	12°59	S 6
M 7	13 27 35	23°40'32	25° 0	11°49	13°13	11°21	4°32	27°22	7° 6	1°37	0°19	22° 3	20°52	29°33	13° 3	M 7
T 8	13 31 32	24°38'51	7♉37	13°46	12°52	11°59	4°25	27°24	7° 6	1°36	0°20	21°52	20°49	29°40	13° 7	T 8
W 9	13 35 28	25°37'08	20°28	15°44	12°29	12°37	4°18	27°26	7° 6	1°35	0°21	21°40	20°46	29°46	13°11	W 9
T 10	13 39 25	26°35'22	3♊31	17°44	12° 3	13°15	4°10	27°28	7° 6	1°33	0°23	21°30	20°43	29°53	13°15	T 10
F 11	13 43 21	27°33'35	16°46	19°46	11°36	13°52	4° 3	27°30	7° 6	1°32	0°24	21°22	20°40	29°59	13°19	F 11
S 12	13 47 18	28°31'46	0♋12	21°49	11° 6	14°30	3°55	27°32	7° 5	1°31	0°25	21°17	20°36	0♓ 6	13°23	S 12
S 13	13 51 14	29°29'55	13°51	23°54	10°35	15° 8	3°47	27°34	7° 5	1°30	0°26	21°14	20°33	0°13	13°28	S 13
M14	13 55 11	0♉28'02	27°41	26° 0	10° 2	15°46	3°40	27°37	7° 4	1°28	0°27	21°D13	20°30	0°20	13°32	M14
T 15	13 59 7	1°26'07	11♌43	28° 7	9°28	16°23	3°32	27°39	7° 4	1°27	0°29	21°13	20°27	0°26	13°36	T 15
W16	14 3 4	2°24'10	25°56	0♉15	8°53	17° 1	3°25	27°42	7° 3	1°26	0°30	21°R13	20°24	0°33	13°40	W16
T 17	14 7 1	3°22'10	10♍20	2°24	8°16	17°39	3°17	27°44	7° 3	1°24	0°31	21°12	20°21	0°40	13°44	T 17
F 18	14 10 57	4°20'09	24°51	4°34	7°39	18°16	3° 9	27°47	7° 2	1°23	0°32	21° 8	20°17	0°46	13°48	F 18
S 19	14 14 54	5°18'06	9♎24	6°44	7° 1	18°54	3° 2	27°50	7° 1	1°21	0°33	21° 2	20°14	0°53	13°53	S 19
S 20	14 18 50	6°16'01	23°55	8°54	6°23	19°32	2°54	27°53	7° 1	1°20	0°35	20°53	20°11	1° 0	13°57	S 20
M21	14 22 47	7°13'55	8♏15	11° 5	5°46	20° 9	2°46	27°56	7° 0	1°19	0°36	20°43	20° 8	1° 6	14° 1	M21
T 22	14 26 43	8°11'47	22°20	13°15	5° 8	20°47	2°39	27°59	6°59	1°17	0°37	20°31	20° 5	1°13	14° 5	T 22
W23	14 30 40	9° 9'37	6♐ 3	15°24	4°31	21°25	2°31	28° 2	6°58	1°16	0°39	20°20	20° 1	1°19	14° 9	W23
T 24	14 34 36	10° 7'27	19°23	17°33	3°54	22° 3	2°24	28° 5	6°57	1°14	0°40	20°11	19°58	1°26	14°14	T 24
F 25	14 38 33	11° 5'15	2♑19	19°40	3°19	22°40	2°16	28° 9	6°56	1°13	0°41	20° 3	19°55	1°33	14°18	F 25
S 26	14 42 30	12° 3'01	14°53	21°46	2°44	23°18	2° 9	28°12	6°55	1°11	0°43	19°58	19°52	1°39	14°22	S 26
S 27	14 46 26	13° 0'47	27° 7	23°50	2°11	23°56	2° 1	28°16	6°54	1°10	0°44	19°56	19°49	1°46	14°26	S 27
M28	14 50 23	13°58'31	9♒ 8	25°53	1°40	24°33	1°54	28°20	6°53	1° 8	0°45	19°55	19°46	1°53	14°31	M28
T 29	14 54 19	14°56'14	20°59	27°53	1°11	25°11	1°47	28°23	6°52	1° 7	0°46	19°55	19°42	1°59	14°35	T 29
W30	14 58 16	15♉53'56	2♓47	29♉51	0♉43	25♊49	1♏39	28♋27	6♎51	1♐ 5	0♊48	19♒55	19♒39	2♓ 6	14♉39	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 2	17s50	0s51	1s48	2s16	22n24	6n27	22n49	1n 9	12s 0	1n25	21n34	0n46	23s41	0s19	18s58	1n40	9n56	10s35	14s 4	14s30	11s16	14n14	1s32
W 2	7 24	13 10	0n12	1 1	2 12	22 22	6 27	22 55	1 9	11 57	1 25	21 33	0 46	23 41	0 19	18 58	1 40	9 56	10 35	14 4	14 31	11 13	14 16	1 32
T 3	7 46	8 1	1 14	0 14	2 8	22 19	6 26	23 1	1 10	11 55	1 25	21 33	0 46	23 41	0 19	18 57	1 40	9 57	10 35	14 5	14 32	11 10	14 17	1 32
F 4	8 8	2 34	2 14	0n34	2 3	22 14	6 25	23 8	1 10	11 53	1 25	21 33	0 46	23 41	0 19	18 57	1 40	9 57	10 34	14 6	14 33	11 7	14 18	1 32
S 5	8 30	3n 2	3 8	1 24	1 57	22 9	6 23	23 13	1 10	11 50	1 25	21 33	0 46	23 41	0 19	18 57	1 41	9 58	10 34	14 8	14 34	11 3	14 19	1 33
S 6	8 52	8 36	3 55	2 14	1 51	22 1	6 21	23 19	1 10	11 48	1 25	21 32	0 46	23 41	0 20	18 57	1 41	9 58	10 34	14 10	14 35	11 0	14 20	1 33
M 7	9 14	13 55	4 31	3 5	1 45	21 53	6 18	23 25	1 10	11 45	1 25	21 32	0 46	23 41	0 20	18 56	1 41	9 58	10 34	14 14	14 36	10 57	14 21	1 33
T 8	9 36	18 45	4 54	3 57	1 38	21 43	6 15	23 30	1 11	11 43	1 25	21 32	0 46	23 41	0 20	18 56	1 41	9 59	10 34	14 17	14 37	10 54	14 23	1 33
W 9	9 57	22 49	5 3	4 50	1 30	21 31	6 10	23 35	1 11	11 40	1 25	21 31	0 46	23 41	0 20	18 56	1 41	9 59	10 34	14 21	14 38	10 51	14 24	1 33
T 10	10 18	25 48	4 57	5 44	1 22	21 18	6 5	23 40	1 11	11 38	1 25	21 31	0 46	23 41	0 20	18 56	1 41	10 0	10 33	14 24	14 39	10 48	14 25	1 33
F 11	10 39	27 26	4 34	6 38	1 14	21 4	6 0	23 45	1 11	11 35	1 25	21 31	0 46	23 41	0 20	18 55	1 41	10 0	10 33	14 27	14 40	10 45	14 26	1 33
S 12	11 0	27 30	3 57	7 32	1 5	20 49	5 53	23 49	1 11	11 33	1 25	21 30	0 46	23 41	0 20	18 55	1 41	10 0	10 33	14 28	14 41	10 41	14 27	1 33
S 13	11 21	25 54	3 5	8 27	0 56	20 32	5 46	23 54	1 11	11 30	1 25	21 30	0 46	23 41	0 20	18 55	1 41	10 1	10 33	14 29	14 42	10 38	14 28	1 33
M14	11 41	22 43	2 2	9 22	0 46	20 14	5 38	23 58	1 11	11 28	1 25	21 29	0 46	23 41	0 20	18 54	1 41	10 1	10 33	14 30	14 43	10 35	14 30	1 33
T 15	12 2	18 10	0 50	10 17	0 36	19 55	5 30	24 2	1 12	11 25	1 25	21 29	0 46	23 41	0 20	18 54	1 41	10 1	10 33	14 30	14 44	10 32	14 31	1 33
W16	12 22	12 32	0s25	11 12	0 26	19 35	5 21	24 6	1 12	11 23	1 25	21 28	0 46	23 41	0 20	18 54	1 41	10 2	10 32	14 30	14 45	10 29	14 32	1 33
T 17	12 42	6 12	1 40	12 7	0 16	19 13	5 11	24 10	1 12	11 20	1 25	21 28	0 46	23 42	0 20	18 54	1 41	10 2	10 32	14 30	14 46	10 26	14 33	1 33
F 18	13 1	0s31	2 48	13 1	0 5	18 51	5 0	24 14	1 12	11 17	1 25	21 27	0 46	23 42	0 20	18 53	1 41	10 3	10 32	14 31	14 47	10 22	14 34	1 33
S 19	13 21	7 12	3 46	13 55	0n 5	18 28	4 49	24 17	1 12	11 15	1 25	21 27	0 46	23 42	0 20	18 53	1 41	10 3	10 32	14 33	14 48	10 19	14 36	1 33
S 20	13 40	13 29	4 29	14 47	0 16	18 5	4 38	24 20	1 12	11 12	1 25	21 26	0 46	23 42	0 20	18 53	1 41	10 3	10 32	14 36	14 49	10 16	14 37	1 33
M21	13 59	18 58	4 54	15 38	0 26	17 40	4 26	24 23	1 12	11 10	1 25	21 26	0 46	23 42	0 20	18 52	1 41	10 4	10 32	14 39	14 50	10 13	14 38	1 33
T 22	14 18	23 17	5 1	16 28	0 37	17 16	4 13	24 26	1 12	11 7	1 25	21 25	0 46	23 42	0 20	18 52	1 41	10 4	10 32	14 43	14 51	10 10	14 39	1 34
W23	14 37	26 11	4 50	17 17	0 47	16 51	4 0	24 29	1 13	11 5	1 25	21 24	0 46	23 42	0 20	18 52	1 41	10 4	10 32	14 47	14 52	10 7	14 40	1 34
T 24	14 55	27 30	4 24	18 4	0 57	16 25	3 46	24 31	1 13	11 2	1 24	21 24	0 46	23 42	0 20	18 51	1 41	10 5	10 31	14 50	14 53	10 3	14 42	1 34
F 25	15 13	27 16	3 44	18 48	1 7	16 0	3 33	24 33	1 13	11 0	1 24	21 23	0 46	23 42	0 20	18 51	1 41	10 5	10 31	14 52	14 54	10 0	14 43	1 34
S 26	15 31	25 36	2 54	19 31	1 16	15 35	3 19	24 36	1 13	10 57	1 24	21 22	0 46	23 42	0 20	18 51	1 41	10 6	10 31	14 53	14 55	9 57	14 44	1 34
S 27	15 49	22 45	1 58	20 11	1 25	15 11	3 5	24 38	1 13	10 55	1 24	21 21	0 46	23 42	0 20	18 50	1 41	10 6	10 31	14 54	14 57	9 54	14 45	1 34
M28	16 6	18 58	0 57	20 49	1 33	14 46	2 50	24 39	1 13	10 53	1 24	21 21	0 46	23 42	0 20	18 50	1 41	10 6	10 31	14 54	14 58	9 51	14 46	1 34
T 29	16 24	14 29	0n 6	21 25	1 40	14 22	2 36	24 41	1 13	10 50	1 24	21 20	0 46	23 42	0 20	18 50	1 41	10 7	10 31	14 54	14 59	9 47	14 47	1 34
W30	16n40	9s29	1n 8	21n58	1n47	13n59	2n22	24n42	1n13	10s48	1n24	21n19	0n46	23s42	0s20	18s49	1n41	10n 7	10s31	14s55	15s 0	9s44	14n49	1s34

Julian Day Number = 2141916.5, Delta T = 15m12s
Ecliptic obliquity = 23°33'05, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'14, Lahiri = 12°02'15 Julian Calendar 1 Apr. 1152 == Greg. Calendar 8 Apr. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

MAY 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 12	16♉51'37	14♓37	1♊46	0°R17	26♊26	1°R32	28♋31	6°R49	1°R 4	0♊49	19°R53	19♒36	2♓13	14♉43	T 1
F 2	15 6 9	17°49'16	26°34	3°39	29♈54	27° 4	1♏25	28°35	6♑48	1♐ 2	0°50	19♒49	19°33	2°19	14°48	F 2
S 3	15 10 5	18°46'55	8♈41	5°30	29°32	27°41	1°18	28°39	6°47	1° 0	0°52	19°42	19°30	2°26	14°52	S 3
S 4	15 14 2	19°44'33	21° 3	7°17	29°13	28°19	1°11	28°44	6°45	0°59	0°53	19°33	19°27	2°33	14°56	S 4
M 5	15 17 59	20°42'09	3♉42	9° 1	28°56	28°57	1° 4	28°48	6°44	0°57	0°55	19°22	19°23	2°39	15° 0	M 5
T 6	15 21 55	21°39'44	16°37	10°43	28°42	29°34	0°57	28°52	6°43	0°56	0°56	19° 9	19°20	2°46	15° 5	T 6
W 7	15 25 52	22°37'18	29°48	12°21	28°30	0♋12	0°51	28°57	6°41	0°54	0°57	18°57	19°17	2°53	15° 9	W 7
T 8	15 29 48	23°34'51	13♊14	13°57	28°21	0°50	0°44	29° 1	6°40	0°52	0°59	18°45	19°14	2°59	15°13	T 8
F 9	15 33 45	24°32'23	26°52	15°29	28°13	1°27	0°38	29° 6	6°38	0°51	1° 0	18°36	19°11	3° 6	15°17	F 9
S 10	15 37 41	25°29'54	10♋39	16°59	28° 9	2° 5	0°31	29°10	6°37	0°49	1° 1	18°29	19° 7	3°13	15°22	S 10
S 11	15 41 38	26°27'23	24°33	18°25	28° 6	2°43	0°25	29°15	6°35	0°48	1° 3	18°25	19° 4	3°19	15°26	S 11
M12	15 45 34	27°24'51	8♌33	19°48	28°D 6	3°20	0°19	29°20	6°33	0°46	1° 4	18°24	19° 1	3°26	15°30	M12
T 13	15 49 31	28°22'18	22°37	21° 8	28° 8	3°58	0°13	29°25	6°32	0°44	1° 6	18°23	18°58	3°32	15°34	T 13
W14	15 53 28	29°19'43	6♍45	22°24	28°13	4°36	0° 7	29°30	6°30	0°43	1° 7	18°23	18°55	3°39	15°38	W14
T 15	15 57 24	0♊17'07	20°55	23°37	28°20	5°13	0° 1	29°35	6°28	0°41	1° 8	18°22	18°52	3°46	15°43	T 15
F 16	16 1 21	1°14'29	5♎ 6	24°47	28°29	5°51	29♎55	29°40	6°26	0°40	1°10	18°19	18°48	3°52	15°47	F 16
S 17	16 5 17	2°11'51	19°15	25°54	28°40	6°29	29°50	29°45	6°24	0°38	1°11	18°13	18°45	3°59	15°51	S 17
S 18	16 9 14	3° 9'11	3♏20	26°57	28°53	7° 6	29°44	29°51	6°23	0°36	1°12	18° 4	18°42	4° 6	15°55	S 18
M19	16 13 10	4° 6'30	17°15	27°56	29° 8	7°44	29°39	29°56	6°21	0°35	1°14	17°54	18°39	4°12	15°59	M19
T 20	16 17 7	5° 3'49	0♐58	28°52	29°25	8°21	29°34	0♌ 1	6°19	0°33	1°15	17°42	18°36	4°19	16° 3	T 20
W21	16 21 3	6° 1'07	14°24	29°44	29°43	8°59	29°29	0° 7	6°17	0°31	1°17	17°31	18°33	4°26	16° 7	W21
T 22	16 25 0	6°58'24	27°31	0♋32	0♉ 4	9°37	29°24	0°12	6°15	0°30	1°18	17°22	18°29	4°32	16°11	T 22
F 23	16 28 57	7°55'41	10♑19	1°16	0°27	10°14	29°20	0°18	6°13	0°28	1°19	17°14	18°26	4°39	16°15	F 23
S 24	16 32 53	8°52'57	22°48	1°57	0°51	10°52	29°15	0°24	6°11	0°27	1°21	17° 9	18°23	4°46	16°19	S 24
S 25	16 36 50	9°50'12	5♒ 1	2°33	1°17	11°29	29°11	0°29	6° 9	0°25	1°22	17° 7	18°20	4°52	16°23	S 25
M26	16 40 46	10°47'27	17° 1	3° 5	1°44	12° 7	29° 7	0°35	6° 7	0°23	1°23	17°D 6	18°17	4°59	16°27	M26
T 27	16 44 43	11°44'42	28°53	3°33	2°13	12°45	29° 2	0°41	6° 4	0°22	1°25	17° 7	18°13	5° 6	16°31	T 27
W28	16 48 39	12°41'56	10♓42	3°56	2°43	13°22	28°59	0°47	6° 2	0°20	1°26	17°R 7	18°10	5°12	16°35	W28
T 29	16 52 36	13°39'10	22°33	4°15	3°15	14° 0	28°55	0°53	6° 0	0°19	1°27	17° 7	18° 7	5°19	16°39	T 29
F 30	16 56 32	14°36'23	4♈32	4°30	3°48	14°38	28°51	0°59	5°58	0°17	1°29	17° 5	18° 4	5°26	16°43	F 30
S 31	17 0 29	15♊33'37	16♈43	4♋40	4♉23	15♋15	28♎48	1♌ 5	5♑56	0♐16	1♊30	17♒ 0	18♒ 1	5♓32	16♉47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n57	4s 8	2n 7	22n28	1n54	13n37	2n 8	24n43	1n13	10s45	1n24	21n18	0n46	23s43	0s20	18s49	1n41	10n 7	10s31	14s55	15s 1	9s41	14n50	1s34
F 2	17 13	1n24	3 1	22 56	1 59	13 15	1 53	24 44	1 13	10 43	1 23	21 18	0 46	23 43	0 20	18 49	1 41	10 8	10 31	14 56	15 2	9 38	14 51	1 34
S 3	17 29	6 57	3 48	23 21	2 4	12 54	1 39	24 45	1 13	10 41	1 23	21 17	0 46	23 43	0 20	18 48	1 41	10 8	10 31	14 58	15 3	9 35	14 52	1 34
S 4	17 45	12 20	4 25	23 44	2 8	12 35	1 25	24 46	1 13	10 39	1 23	21 16	0 46	23 43	0 20	18 48	1 41	10 8	10 30	15 1	15 4	9 32	14 53	1 34
M 5	18 1	17 20	4 49	24 4	2 12	12 16	1 12	24 46	1 14	10 36	1 23	21 15	0 46	23 43	0 20	18 48	1 41	10 9	10 30	15 5	15 5	9 28	14 54	1 35
T 6	18 16	21 40	5 0	24 22	2 14	11 58	0 58	24 47	1 14	10 34	1 23	21 14	0 46	23 43	0 20	18 47	1 41	10 9	10 30	15 9	15 6	9 25	14 56	1 35
W 7	18 31	25 0	4 55	24 38	2 16	11 42	0 45	24 47	1 14	10 32	1 23	21 13	0 46	23 43	0 20	18 47	1 41	10 9	10 30	15 13	15 7	9 22	14 57	1 35
T 8	18 45	27 1	4 34	24 51	2 17	11 26	0 32	24 47	1 14	10 30	1 22	21 12	0 46	23 43	0 20	18 47	1 41	10 10	10 30	15 16	15 7	9 19	14 58	1 35
F 9	19 0	27 27	3 57	25 2	2 17	11 12	0 20	24 46	1 14	10 28	1 22	21 11	0 46	23 43	0 20	18 46	1 41	10 10	10 30	15 19	15 8	9 16	14 59	1 35
S 10	19 14	26 12	3 5	25 10	2 16	10 59	0 8	24 46	1 14	10 26	1 22	21 10	0 46	23 43	0 20	18 46	1 41	10 10	10 30	15 21	15 9	9 12	15 0	1 35
S 11	19 27	23 19	2 3	25 17	2 15	10 47	0s 4	24 45	1 14	10 24	1 22	21 9	0 46	23 44	0 20	18 46	1 41	10 11	10 30	15 23	15 10	9 9	15 1	1 35
M12	19 40	19 3	0 52	25 22	2 13	10 36	0 16	24 44	1 14	10 22	1 22	21 8	0 46	23 44	0 20	18 45	1 41	10 11	10 30	15 23	15 11	9 6	15 2	1 35
T 13	19 53	13 41	0s22	25 24	2 9	10 27	0 27	24 43	1 14	10 20	1 21	21 7	0 46	23 44	0 20	18 45	1 41	10 11	10 30	15 23	15 12	9 3	15 3	1 35
W14	20 6	7 36	1 36	25 25	2 6	10 18	0 38	24 42	1 14	10 18	1 21	21 6	0 46	23 44	0 20	18 45	1 41	10 12	10 30	15 23	15 13	9 0	15 5	1 35
T 15	20 18	1 7	2 43	25 24	2 1	10 11	0 48	24 41	1 14	10 16	1 21	21 5	0 46	23 44	0 20	18 44	1 41	10 12	10 30	15 24	15 14	8 56	15 6	1 36
F 16	20 30	5s24	3 41	25 22	1 55	10 5	0 58	24 39	1 14	10 14	1 21	21 4	0 46	23 44	0 20	18 44	1 41	10 12	10 30	15 25	15 15	8 53	15 7	1 36
S 17	20 42	11 38	4 24	25 18	1 49	10 0	1 7	24 37	1 14	10 12	1 21	21 3	0 46	23 44	0 20	18 44	1 41	10 13	10 30	15 27	15 16	8 50	15 8	1 36
S 18	20 53	17 15	4 52	25 13	1 42	9 56	1 17	24 35	1 14	10 11	1 20	21 2	0 46	23 44	0 20	18 43	1 41	10 13	10 30	15 29	15 17	8 47	15 9	1 36
M19	21 4	21 53	5 2	25 6	1 34	9 53	1 26	24 33	1 14	10 9	1 20	21 1	0 46	23 44	0 20	18 43	1 41	10 13	10 30	15 32	15 18	8 43	15 10	1 36
T 20	21 15	25 14	4 54	24 58	1 25	9 51	1 34	24 31	1 14	10 7	1 20	21 0	0 46	23 44	0 21	18 43	1 41	10 13	10 30	15 36	15 19	8 40	15 11	1 36
W21	21 25	27 6	4 30	24 49	1 16	9 50	1 42	24 28	1 14	10 6	1 20	20 59	0 47	23 45	0 21	18 42	1 41	10 14	10 30	15 39	15 20	8 37	15 12	1 36
T 22	21 35	27 23	3 51	24 39	1 6	9 50	1 50	24 26	1 14	10 4	1 19	20 57	0 47	23 45	0 21	18 42	1 41	10 14	10 30	15 42	15 21	8 34	15 13	1 36
F 23	21 44	26 11	3 2	24 28	0 55	9 51	1 57	24 23	1 14	10 3	1 19	20 56	0 47	23 45	0 21	18 42	1 41	10 14	10 30	15 44	15 22	8 31	15 14	1 36
S 24	21 53	23 41	2 6	24 16	0 44	9 53	2 4	24 20	1 14	10 2	1 19	20 55	0 47	23 45	0 21	18 42	1 41	10 15	10 30	15 46	15 23	8 27	15 15	1 37
S 25	22 2	20 8	1 4	24 3	0 31	9 56	2 11	24 17	1 14	10 0	1 19	20 54	0 47	23 45	0 21	18 41	1 41	10 15	10 30	15 47	15 24	8 24	15 16	1 37
M26	22 10	15 49	0 0	23 49	0 18	9 59	2 17	24 13	1 14	9 59	1 19	20 53	0 47	23 45	0 21	18 41	1 41	10 15	10 30	15 47	15 25	8 21	15 17	1 37
T 27	22 18	10 57	1n 2	23 35	0 5	10 3	2 23	24 10	1 14	9 58	1 18	20 51	0 47	23 45	0 21	18 41	1 41	10 15	10 30	15 47	15 26	8 18	15 18	1 37
W28	22 26	5 42	2 3	23 20	0s 9	10 8	2 29	24 6	1 14	9 57	1 18	20 50	0 47	23 45	0 21	18 40	1 41	10 16	10 30	15 47	15 27	8 14	15 19	1 37
T 29	22 33	0 15	2 58	23 5	0 24	10 14	2 34	24 2	1 14	9 56	1 18	20 49	0 47	23 45	0 21	18 40	1 41	10 16	10 30	15 47	15 28	8 11	15 20	1 37
F 30	22 39	5n15	3 45	22 50	0 39	10 20	2 40	23 58	1 14	9 55	1 18	20 48	0 47	23 46	0 21	18 40	1 41	10 16	10 30	15 47	15 29	8 8	15 21	1 37
S 31	22n46	10n39	4n24	22n34	0s55	10n28	2s44	23n54	1n14	9s54	1n17	20n46	0n47	23s46	0s21	18s39	1n41	10n16	10s30	15s49	15s30	8s 5	15n22	1s37

Julian Day Number = 2141946.5, Delta T = 15m12s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'19, Lahiri = 12°02'19 Julian Calendar 1 May 1152 == Greg. Calendar 8 May 1152

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1152
geocentric

JUNE 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 26	16♊30'50	29♈11	4♋45	4♉58	15♋53	28°R45	1♎11	5°R54	0°R14	1♊32	16°R54	17♒58	5♓39	16♉51	S 1
M 2	17 8 22	17°28'03	11♉58	4°R46	5°35	16°30	28♎42	1°18	5♑51	0♐12	1°33	16♒46	17°54	5°46	16°55	M 2
T 3	17 12 19	18°25'16	25° 7	4°42	6°13	17° 8	28°39	1°24	5°49	0°11	1°34	16°36	17°51	5°52	16°59	T 3
W 4	17 16 15	19°22'29	8♊35	4°34	6°52	17°46	28°36	1°30	5°47	0° 9	1°36	16°27	17°48	5°59	17° 2	W 4
T 5	17 20 12	20°19'42	22°22	4°22	7°33	18°23	28°33	1°37	5°45	0° 8	1°37	16°18	17°45	6° 5	17° 6	T 5
F 6	17 24 8	21°16'54	6♋24	4° 5	8°14	19° 1	28°31	1°43	5°42	0° 6	1°38	16°11	17°42	6°12	17°10	F 6
S 7	17 28 5	22°14'06	20°37	3°45	8°56	19°39	28°29	1°49	5°40	0° 5	1°39	16° 6	17°39	6°19	17°14	S 7
S 8	17 32 2	23°11'18	4♌55	3°21	9°39	20°16	28°27	1°56	5°38	0° 4	1°41	16° 4	17°35	6°25	17°17	S 8
M 9	17 35 58	24° 8'29	19°14	2°53	10°23	20°54	28°25	2° 3	5°35	0° 2	1°42	16°D 3	17°32	6°32	17°21	M 9
T 10	17 39 55	25° 5'40	3♍32	2°23	11° 8	21°32	28°23	2° 9	5°33	0° 1	1°43	16° 4	17°29	6°39	17°24	T 10
W11	17 43 51	26° 2'50	17°45	1°50	11°54	22° 9	28°22	2°16	5°30	29♏59	1°45	16° 5	17°26	6°45	17°28	W11
T 12	17 47 48	27° 0'00	1♎52	1°16	12°41	22°47	28°21	2°23	5°28	29°58	1°46	16°R 5	17°23	6°52	17°32	T 12
F 13	17 51 44	27°57'09	15°52	0°40	13°28	23°25	28°20	2°29	5°26	29°56	1°47	16° 4	17°19	6°59	17°35	F 13
S 14	17 55 41	28°54'18	29°44	0° 3	14°16	24° 2	28°19	2°36	5°23	29°55	1°48	16° 0	17°16	7° 5	17°39	S 14
S 15	17 59 37	29°51'27	13♏25	29♊26	15° 5	24°40	28°18	2°43	5°21	29°54	1°50	15°55	17°13	7°12	17°42	S 15
M16	18 3 34	0♋48'36	26°56	28°50	15°55	25°18	28°17	2°50	5°19	29°52	1°51	15°48	17°10	7°19	17°45	M16
T 17	18 7 31	1°45'45	10♐13	28°15	16°45	25°55	28°17	2°57	5°16	29°51	1°52	15°41	17° 7	7°25	17°49	T 17
W18	18 11 27	2°42'54	23°17	27°41	17°36	26°33	28°17	3° 4	5°14	29°50	1°53	15°34	17° 4	7°32	17°52	W18
T 19	18 15 24	3°40'03	6♑ 5	27°10	18°28	27°11	28°D17	3°11	5°11	29°48	1°55	15°28	17° 0	7°39	17°55	T 19
F 20	18 19 20	4°37'12	18°39	26°42	19°20	27°49	28°17	3°18	5° 9	29°47	1°56	15°23	16°57	7°45	17°59	F 20
S 21	18 23 17	5°34'22	0♒58	26°17	20°13	28°26	28°17	3°25	5° 6	29°46	1°57	15°20	16°54	7°52	18° 2	S 21
S 22	18 27 13	6°31'32	13° 5	25°56	21° 6	29° 4	28°18	3°32	5° 4	29°45	1°58	15°D19	16°51	7°59	18° 5	S 22
M23	18 31 10	7°28'42	25° 1	25°40	22° 0	29°42	28°19	3°39	5° 2	29°44	1°59	15°20	16°48	8° 5	18° 8	M23
T 24	18 35 6	8°25'52	6♓52	25°28	22°54	0♌19	28°19	3°46	4°59	29°42	2° 0	15°21	16°45	8°12	18°11	T 24
W25	18 39 3	9°23'04	18°41	25°21	23°49	0°57	28°21	3°54	4°57	29°41	2° 2	15°23	16°41	8°19	18°14	W25
T 26	18 43 0	10°20'15	0♈32	25°D19	24°45	1°35	28°22	4° 1	4°54	29°40	2° 3	15°24	16°38	8°25	18°17	T 26
F 27	18 46 56	11°17'28	12°31	25°22	25°41	2°13	28°23	4° 8	4°52	29°39	2° 4	15°R24	16°35	8°32	18°20	F 27
S 28	18 50 53	12°14'41	24°43	25°31	26°37	2°50	28°25	4°15	4°50	29°38	2° 5	15°24	16°32	8°39	18°23	S 28
S 29	18 54 49	13°11'55	7♉12	25°46	27°34	3°28	28°27	4°23	4°47	29°37	2° 6	15°21	16°29	8°45	18°26	S 29
M30	18 58 46	14♋ 9'10	20♉ 2	26♊ 6	28♉31	4♌ 6	28♎28	4♌30	4♑45	29♏36	2♊ 7	15♒18	16♒25	8♓52	18♉29	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	15n45	4n51	22n18	1s10	10n35	2s49	23n49	1n14	9s53	1n17	20n45	0n47	23s46	0s21	18s39	1n41	10n17	10s30	15s51	15s31	8s 2	15n23	1s38
M 2	22 57	20 18	5 4	22 1	1 27	10 43	2 53	23 45	1 14	9 52	1 17	20 44	0 47	23 46	0 21	18 39	1 41	10 17	10 30	15 53	15 32	7 58	15 24	1 38
T 3	23 3	24 0	5 1	21 45	1 43	10 52	2 57	23 40	1 14	9 51	1 16	20 42	0 47	23 46	0 21	18 38	1 41	10 17	10 30	15 56	15 33	7 55	15 25	1 38
W 4	23 7	26 29	4 43	21 29	1 59	11 1	3 1	23 35	1 14	9 50	1 16	20 41	0 47	23 46	0 21	18 38	1 41	10 17	10 30	15 59	15 34	7 52	15 26	1 38
T 5	23 12	27 27	4 7	21 13	2 16	11 11	3 4	23 30	1 14	9 50	1 16	20 39	0 47	23 46	0 21	18 38	1 41	10 18	10 30	16 1	15 35	7 49	15 27	1 38
F 6	23 16	26 40	3 16	20 57	2 32	11 21	3 8	23 25	1 14	9 49	1 16	20 38	0 47	23 46	0 21	18 38	1 41	10 18	10 30	16 4	15 36	7 45	15 28	1 38
S 7	23 19	24 8	2 12	20 42	2 48	11 32	3 11	23 19	1 14	9 49	1 15	20 37	0 47	23 47	0 21	18 37	1 41	10 18	10 30	16 5	15 37	7 42	15 29	1 38
S 8	23 22	20 5	1 0	20 28	3 3	11 43	3 13	23 13	1 13	9 48	1 15	20 35	0 47	23 47	0 21	18 37	1 41	10 18	10 30	16 6	15 38	7 39	15 30	1 39
M 9	23 25	14 51	0s17	20 13	3 18	11 54	3 16	23 8	1 13	9 48	1 15	20 34	0 47	23 47	0 21	18 37	1 41	10 18	10 30	16 6	15 39	7 36	15 31	1 39
T 10	23 28	8 49	1 33	20 0	3 32	12 6	3 18	23 2	1 13	9 47	1 15	20 32	0 47	23 47	0 21	18 36	1 41	10 19	10 30	16 6	15 40	7 32	15 32	1 39
W11	23 29	2 22	2 42	19 47	3 45	12 18	3 20	22 55	1 13	9 47	1 14	20 31	0 47	23 47	0 21	18 36	1 41	10 19	10 30	16 5	15 41	7 29	15 32	1 39
T 12	23 31	4s 8	3 41	19 36	3 57	12 31	3 22	22 49	1 13	9 47	1 14	20 29	0 47	23 47	0 21	18 36	1 41	10 19	10 30	16 5	15 42	7 26	15 33	1 39
F 13	23 32	10 22	4 27	19 25	4 8	12 43	3 23	22 43	1 13	9 47	1 14	20 28	0 47	23 47	0 21	18 36	1 41	10 19	10 30	16 6	15 43	7 23	15 34	1 39
S 14	23 33	16 2	4 56	19 15	4 18	12 56	3 25	22 36	1 13	9 47	1 13	20 26	0 47	23 47	0 21	18 35	1 41	10 19	10 30	16 7	15 44	7 20	15 35	1 39
S 15	23 33	20 50	5 8	19 7	4 26	13 9	3 26	22 29	1 13	9 47	1 13	20 25	0 47	23 47	0 21	18 35	1 40	10 20	10 30	16 8	15 45	7 16	15 36	1 40
M16	23 33	24 28	5 2	19 0	4 33	13 22	3 27	22 22	1 13	9 47	1 13	20 23	0 47	23 48	0 21	18 35	1 40	10 20	10 30	16 10	15 46	7 13	15 37	1 40
T 17	23 32	26 43	4 41	18 55	4 38	13 36	3 28	22 15	1 13	9 47	1 13	20 22	0 47	23 48	0 21	18 35	1 40	10 20	10 30	16 13	15 47	7 10	15 37	1 40
W18	23 31	27 27	4 5	18 51	4 41	13 49	3 29	22 8	1 13	9 47	1 12	20 20	0 47	23 48	0 21	18 34	1 40	10 20	10 30	16 15	15 48	7 7	15 38	1 40
T 19	23 30	26 41	3 17	18 48	4 43	14 3	3 29	22 1	1 13	9 47	1 12	20 18	0 47	23 48	0 21	18 34	1 40	10 20	10 30	16 16	15 49	7 3	15 39	1 40
F 20	23 28	24 33	2 20	18 47	4 44	14 17	3 29	21 53	1 13	9 48	1 12	20 17	0 47	23 48	0 21	18 34	1 40	10 20	10 31	16 18	15 50	7 0	15 40	1 40
S 21	23 26	21 18	1 17	18 47	4 43	14 31	3 29	21 45	1 13	9 48	1 12	20 15	0 48	23 48	0 21	18 34	1 40	10 20	10 31	16 19	15 51	6 57	15 40	1 41
S 22	23 23	17 10	0 12	18 49	4 40	14 45	3 29	21 37	1 12	9 49	1 11	20 14	0 48	23 48	0 21	18 34	1 40	10 21	10 31	16 19	15 52	6 54	15 41	1 41
M23	23 20	12 25	0n53	18 53	4 36	14 59	3 29	21 29	1 12	9 49	1 11	20 12	0 48	23 48	0 21	18 33	1 40	10 21	10 31	16 19	15 53	6 50	15 42	1 41
T 24	23 17	7 15	1 55	18 58	4 31	15 13	3 29	21 21	1 12	9 50	1 11	20 10	0 48	23 48	0 21	18 33	1 40	10 21	10 31	16 19	15 53	6 47	15 43	1 41
W25	23 13	1 52	2 52	19 4	4 24	15 27	3 28	21 13	1 12	9 50	1 10	20 9	0 48	23 48	0 21	18 33	1 40	10 21	10 31	16 18	15 54	6 44	15 43	1 41
T 26	23 9	3n36	3 42	19 12	4 16	15 41	3 28	21 4	1 12	9 51	1 10	20 7	0 48	23 49	0 21	18 33	1 40	10 21	10 31	16 18	15 55	6 41	15 44	1 41
F 27	23 4	9 0	4 23	19 21	4 7	15 55	3 27	20 56	1 12	9 52	1 10	20 5	0 48	23 49	0 21	18 32	1 40	10 21	10 31	16 18	15 56	6 37	15 45	1 42
S 28	22 59	14 9	4 53	19 31	3 57	16 9	3 26	20 47	1 12	9 53	1 10	20 4	0 48	23 49	0 21	18 32	1 40	10 21	10 31	16 18	15 57	6 34	15 45	1 42
S 29	22 54	18 51	5 10	19 43	3 46	16 23	3 25	20 38	1 12	9 54	1 9	20 2	0 48	23 49	0 21	18 32	1 40	10 21	10 31	16 18	15 58	6 31	15 46	1 42
M30	22n48	22n50	5n12	19n55	3s35	16n37	3s24	20n29	1n12	9s54	1n 9	20n 0	0n48	23s49	0s21	18s32	1n40	10n21	10s31	16s19	15s59	6s28	15n46	1s42

Julian Day Number = 2141977.5, Delta T = 15m12s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'23, Lahiri = 12°02'23 Julian Calendar 1 June 1152 == Greg. Calendar 8 June 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

JULY 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 42	15♋ 6'25	3♊15	26♊32	29♉29	4♌44	28♎31	4♌37	4°R42	29°R35	2♊ 8	15°R14	16♒22	8♓59	18♉32	T 1
W 2	19 6 39	16° 3'42	16°52	27° 3	0♊27	5°21	28°33	4°45	4♑40	29♏34	2° 9	15♒ 9	16°19	9° 5	18°35	W 2
T 3	19 10 35	17° 0'59	0♋53	27°40	1°25	5°59	28°35	4°52	4°38	29°33	2°10	15° 5	16°16	9°12	18°37	T 3
F 4	19 14 32	17°58'17	15°13	28°23	2°24	6°37	28°38	5° 0	4°35	29°32	2°11	15° 2	16°13	9°18	18°40	F 4
S 5	19 18 29	18°55'36	29°48	29°11	3°24	7°15	28°41	5° 7	4°33	29°31	2°12	15° 0	16°10	9°25	18°43	S 5
S 6	19 22 25	19°52'55	14♌31	0♋ 5	4°23	7°53	28°44	5°15	4°31	29°30	2°13	14°D59	16° 6	9°32	18°45	S 6
M 7	19 26 22	20°50'15	29°15	1° 4	5°23	8°31	28°47	5°22	4°28	29°29	2°14	15° 0	16° 3	9°38	18°48	M 7
T 8	19 30 18	21°47'35	13♍53	2° 9	6°23	9° 8	28°50	5°30	4°26	29°28	2°15	15° 1	16° 0	9°45	18°50	T 8
W 9	19 34 15	22°44'55	28°22	3°19	7°24	9°46	28°54	5°37	4°24	29°27	2°16	15° 2	15°57	9°52	18°53	W 9
T 10	19 38 11	23°42'17	12♎37	4°34	8°25	10°24	28°58	5°45	4°22	29°27	2°17	15° 3	15°54	9°58	18°55	T 10
F 11	19 42 8	24°39'38	26°37	5°53	9°26	11° 2	29° 1	5°52	4°19	29°26	2°18	15°R 4	15°51	10° 5	18°57	F 11
S 12	19 46 4	25°37'01	10♏20	7°18	10°28	11°40	29° 5	6° 0	4°17	29°25	2°19	15° 3	15°47	10°12	19° 0	S 12
S 13	19 50 1	26°34'24	23°47	8°47	11°30	12°18	29°10	6° 7	4°15	29°24	2°20	15° 2	15°44	10°18	19° 2	S 13
M14	19 53 58	27°31'48	6♐58	10°21	12°32	12°56	29°14	6°15	4°13	29°24	2°21	15° 0	15°41	10°25	19° 4	M14
T 15	19 57 54	28°29'12	19°54	11°59	13°34	13°34	29°18	6°23	4°11	29°23	2°21	14°57	15°38	10°32	19° 6	T 15
W16	20 1 51	29°26'38	2♑36	13°41	14°37	14°12	29°23	6°30	4° 9	29°23	2°22	14°55	15°35	10°38	19° 8	W16
T 17	20 5 47	0♌24'04	15° 5	15°27	15°40	14°50	29°28	6°38	4° 7	29°22	2°23	14°53	15°31	10°45	19°10	T 17
F 18	20 9 44	1°21'32	27°23	17°15	16°43	15°28	29°33	6°46	4° 5	29°21	2°24	14°52	15°28	10°52	19°12	F 18
S 19	20 13 40	2°19'00	9♒30	19° 7	17°46	16° 6	29°38	6°53	4° 2	29°21	2°25	14°D51	15°25	10°58	19°14	S 19
S 20	20 17 37	3°16'29	21°29	21° 2	18°50	16°44	29°43	7° 1	4° 0	29°20	2°25	14°51	15°22	11° 5	19°16	S 20
M21	20 21 34	4°14'00	3♓22	22°58	19°54	17°22	29°49	7° 9	3°58	29°20	2°26	14°52	15°19	11°12	19°18	M21
T 22	20 25 30	5°11'32	15°11	24°57	20°58	18° 0	29°54	7°16	3°57	29°19	2°27	14°53	15°16	11°18	19°19	T 22
W23	20 29 27	6° 9'05	26°59	26°57	22° 3	18°38	29°59	7°24	3°55	29°19	2°28	14°54	15°12	11°25	19°21	W23
T 24	20 33 23	7° 6'40	8♈51	28°58	23° 7	19°16	0♏ 6	7°32	3°53	29°19	2°28	14°54	15° 9	11°32	19°23	T 24
F 25	20 37 20	8° 4'16	20°50	0♌59	24°12	19°54	0°12	7°39	3°51	29°18	2°29	14°55	15° 6	11°38	19°24	F 25
S 26	20 41 16	9° 1'54	3♉ 0	3° 2	25°17	20°32	0°18	7°47	3°49	29°18	2°30	14°55	15° 3	11°45	19°26	S 26
S 27	20 45 13	9°59'33	15°27	5° 4	26°23	21°10	0°24	7°55	3°47	29°18	2°30	14°R55	15° 0	11°52	19°27	S 27
M28	20 49 9	10°57'14	28°14	7° 6	27°28	21°48	0°31	8° 2	3°45	29°17	2°31	14°55	14°57	11°58	19°28	M28
T 29	20 53 6	11°54'57	11♊24	9° 8	28°34	22°26	0°37	8°10	3°44	29°17	2°32	14°55	14°53	12° 5	19°30	T 29
W30	20 57 3	12°52'41	25° 0	11°10	29°40	23° 4	0°44	8°18	3°42	29°17	2°32	14°55	14°50	12°12	19°31	W30
T 31	21 0 59	13♌50'27	9♋ 3	13♌11	0♋46	23♌42	0♏51	8♌25	3♑40	29♏17	2♊33	14♒54	14♒47	12♓18	19♉32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n41	25n46	4n58	20n 8	3s22	16n50	3s22	20n20	1n12	9s55	1n 9	19n58	0n48	23s49	0s21	18s32	1n40	10n22	10s32	16s21	16s 0	6s24	15n47	1s42
W 2	22 35	27 19	4 27	20 22	3 10	17 4	3 21	20 10	1 11	9 57	1 8	19 57	0 48	23 49	0 21	18 32	1 40	10 22	10 32	16 22	16 1	6 21	15 48	1 42
T 3	22 28	27 12	3 39	20 36	2 56	17 17	3 19	20 1	1 11	9 58	1 8	19 55	0 48	23 49	0 21	18 31	1 40	10 22	10 32	16 23	16 2	6 18	15 48	1 43
F 4	22 20	25 16	2 36	20 50	2 42	17 30	3 18	19 51	1 11	9 59	1 8	19 53	0 48	23 49	0 21	18 31	1 40	10 22	10 32	16 24	16 3	6 15	15 49	1 43
S 5	22 12	21 38	1 23	21 5	2 28	17 44	3 16	19 41	1 11	10 0	1 8	19 51	0 48	23 49	0 21	18 31	1 40	10 22	10 32	16 25	16 4	6 11	15 49	1 43
S 6	22 4	16 36	0 3	21 19	2 14	17 56	3 14	19 31	1 11	10 1	1 7	19 50	0 48	23 49	0 21	18 31	1 40	10 22	10 32	16 25	16 5	6 8	15 50	1 43
M 7	21 56	10 35	1s18	21 34	1 59	18 9	3 12	19 21	1 11	10 3	1 7	19 48	0 48	23 50	0 21	18 31	1 40	10 22	10 32	16 25	16 6	6 5	15 50	1 43
T 8	21 47	4 1	2 33	21 48	1 44	18 21	3 10	19 11	1 11	10 4	1 7	19 46	0 48	23 50	0 21	18 31	1 40	10 22	10 32	16 24	16 7	6 2	15 51	1 43
W 9	21 37	2s40	3 37	22 1	1 30	18 34	3 8	19 1	1 11	10 6	1 7	19 44	0 49	23 50	0 21	18 31	1 39	10 22	10 33	16 24	16 8	5 58	15 51	1 44
T 10	21 28	9 6	4 26	22 13	1 15	18 46	3 5	18 51	1 10	10 7	1 6	19 42	0 49	23 50	0 21	18 30	1 39	10 22	10 33	16 24	16 9	5 55	15 52	1 44
F 11	21 18	14 57	4 59	22 24	1 1	18 57	3 3	18 40	1 10	10 9	1 6	19 41	0 49	23 50	0 21	18 30	1 39	10 22	10 33	16 24	16 10	5 52	15 52	1 44
S 12	21 7	19 57	5 14	22 34	0 47	19 9	3 1	18 29	1 10	10 11	1 6	19 39	0 49	23 50	0 21	18 30	1 39	10 22	10 33	16 24	16 11	5 48	15 53	1 44
S 13	20 56	23 50	5 12	22 43	0 33	19 20	2 58	18 18	1 10	10 12	1 5	19 37	0 49	23 50	0 21	18 30	1 39	10 22	10 33	16 24	16 12	5 45	15 53	1 44
M14	20 45	26 23	4 53	22 50	0 19	19 30	2 55	18 8	1 10	10 14	1 5	19 35	0 49	23 50	0 21	18 30	1 39	10 22	10 33	16 25	16 13	5 42	15 54	1 45
T 15	20 34	27 28	4 19	22 55	0 6	19 41	2 53	17 56	1 10	10 16	1 5	19 33	0 49	23 50	0 21	18 30	1 39	10 22	10 33	16 25	16 13	5 39	15 54	1 45
W16	20 22	27 4	3 33	22 57	0n 7	19 51	2 50	17 45	1 10	10 18	1 5	19 31	0 49	23 50	0 21	18 30	1 39	10 22	10 34	16 26	16 14	5 35	15 54	1 45
T 17	20 10	25 18	2 37	22 58	0 19	20 1	2 47	17 34	1 9	10 20	1 4	19 30	0 49	23 50	0 21	18 30	1 39	10 22	10 34	16 27	16 15	5 32	15 55	1 45
F 18	19 57	22 20	1 35	22 56	0 30	20 10	2 44	17 23	1 9	10 22	1 4	19 28	0 49	23 50	0 21	18 30	1 39	10 22	10 34	16 27	16 16	5 29	15 55	1 45
S 19	19 44	18 26	0 30	22 51	0 41	20 19	2 41	17 11	1 9	10 24	1 4	19 26	0 49	23 50	0 21	18 30	1 39	10 22	10 34	16 27	16 17	5 26	15 55	1 46
S 20	19 31	13 50	0n37	22 44	0 51	20 28	2 38	16 59	1 9	10 26	1 4	19 24	0 49	23 50	0 21	18 30	1 39	10 22	10 34	16 27	16 18	5 22	15 56	1 46
M21	19 17	8 45	1 41	22 34	1 0	20 36	2 35	16 48	1 9	10 28	1 3	19 22	0 49	23 50	0 21	18 30	1 39	10 22	10 34	16 27	16 19	5 19	15 56	1 46
T 22	19 4	3 24	2 40	22 21	1 8	20 44	2 31	16 36	1 9	10 30	1 3	19 20	0 49	23 51	0 21	18 30	1 39	10 22	10 34	16 27	16 20	5 16	15 56	1 46
W23	18 49	2n 3	3 33	22 6	1 16	20 51	2 28	16 24	1 8	10 33	1 3	19 18	0 50	23 51	0 21	18 30	1 39	10 22	10 35	16 27	16 21	5 13	15 57	1 46
T 24	18 35	7 27	4 17	21 48	1 22	20 58	2 25	16 12	1 8	10 35	1 3	19 16	0 50	23 51	0 21	18 29	1 39	10 22	10 35	16 26	16 22	5 9	15 57	1 46
F 25	18 20	12 38	4 50	21 28	1 28	21 4	2 21	15 59	1 8	10 37	1 2	19 15	0 50	23 51	0 21	18 29	1 39	10 22	10 35	16 26	16 23	5 6	15 57	1 47
S 26	18 5	17 26	5 11	21 5	1 33	21 10	2 18	15 47	1 8	10 40	1 2	19 13	0 50	23 51	0 21	18 29	1 39	10 22	10 35	16 26	16 24	5 3	15 57	1 47
S 27	17 50	21 36	5 17	20 40	1 37	21 16	2 14	15 35	1 8	10 42	1 2	19 11	0 50	23 51	0 21	18 29	1 38	10 22	10 35	16 26	16 25	5 0	15 57	1 47
M28	17 34	24 52	5 9	20 12	1 41	21 21	2 11	15 22	1 7	10 44	1 2	19 9	0 50	23 51	0 21	18 29	1 38	10 22	10 35	16 26	16 26	4 56	15 58	1 47
T 29	17 18	26 57	4 44	19 43	1 43	21 25	2 7	15 10	1 7	10 47	1 1	19 7	0 50	23 51	0 21	18 29	1 38	10 22	10 36	16 26	16 27	4 53	15 58	1 48
W30	17 2	27 30	4 3	19 11	1 45	21 29	2 4	14 57	1 7	10 50	1 1	19 5	0 50	23 51	0 21	18 29	1 38	10 22	10 36	16 26	16 28	4 50	15 58	1 48
T 31	16n45	26n20	3n 6	18n38	1n46	21n33	2s 0	14n44	1n 7	10s52	1n 1	19n 3	0n50	23s51	0s21	18s30	1n38	10n22	10s36	16s26	16s29	4s46	15n58	1s48

Julian Day Number = 2142007.5, Delta T = 15m12s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'27, Lahiri = 12°02'27 Julian Calendar 1 July 1152 == Greg. Calendar 8 July 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

AUGUST 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 4 56	14♌48'15	23♋30	15♌10	1♋52	24♌20	0♏58	8♌33	3°R39	29°R17	2♊33	14°D54	14♒44	12♓25	19♉33	F 1
S 2	21 8 52	15°46'04	8♌16	17° 9	2°59	24°59	1° 5	8°40	3♑37	29♏17	2°34	14°R54	14°41	12°32	19°34	S 2
S 3	21 12 49	16°43'54	23°16	19° 7	4° 5	25°37	1°12	8°48	3°36	29°17	2°34	14♒54	14°37	12°38	19°35	S 3
M 4	21 16 45	17°41'47	8♍21	21° 4	5°12	26°15	1°20	8°56	3°34	29°D17	2°35	14°54	14°34	12°45	19°36	M 4
T 5	21 20 42	18°39'40	23°22	23° 0	6°19	26°53	1°27	9° 3	3°33	29°17	2°35	14°54	14°31	12°52	19°37	T 5
W 6	21 24 38	19°37'35	8♎10	24°54	7°26	27°32	1°35	9°11	3°31	29°17	2°36	14°54	14°28	12°58	19°38	W 6
T 7	21 28 35	20°35'31	22°41	26°47	8°34	28°10	1°43	9°19	3°30	29°17	2°36	14°53	14°25	13° 5	19°39	T 7
F 8	21 32 32	21°33'28	6♏49	28°39	9°41	28°48	1°51	9°26	3°28	29°17	2°36	14°53	14°22	13°12	19°40	F 8
S 9	21 36 28	22°31'27	20°34	0♍29	10°49	29°26	1°59	9°34	3°27	29°17	2°37	14°D52	14°18	13°18	19°40	S 9
S 10	21 40 25	23°29'27	3♐56	2°18	11°57	0♍ 5	2° 7	9°41	3°26	29°17	2°37	14°53	14°15	13°25	19°41	S 10
M11	21 44 21	24°27'29	16°56	4° 6	13° 5	0°43	2°15	9°49	3°25	29°17	2°38	14°53	14°12	13°32	19°41	M11
T 12	21 48 18	25°25'32	29°38	5°53	14°13	1°21	2°24	9°56	3°23	29°18	2°38	14°54	14° 9	13°38	19°42	T 12
W13	21 52 14	26°23'37	12♑ 5	7°38	15°21	2° 0	2°32	10° 4	3°22	29°18	2°38	14°55	14° 6	13°45	19°42	W13
T 14	21 56 11	27°21'43	24°19	9°23	16°30	2°38	2°41	10°11	3°21	29°18	2°38	14°56	14° 2	13°52	19°43	T 14
F 15	22 0 7	28°19'50	6♒23	11° 6	17°38	3°17	2°49	10°19	3°20	29°18	2°39	14°57	13°59	13°58	19°43	F 15
S 16	22 4 4	29°17'59	18°20	12°47	18°47	3°55	2°58	10°26	3°19	29°19	2°39	14°R57	13°56	14° 5	19°43	S 16
S 17	22 8 1	0♍16'10	0♓12	14°28	19°56	4°33	3° 7	10°33	3°18	29°19	2°39	14°56	13°53	14°12	19°43	S 17
M18	22 11 57	1°14'23	12° 2	16° 7	21° 5	5°12	3°16	10°41	3°17	29°20	2°39	14°55	13°50	14°18	19°43	M18
T 19	22 15 54	2°12'37	23°50	17°45	22°14	5°50	3°26	10°48	3°16	29°20	2°39	14°53	13°47	14°25	19°R43	T 19
W20	22 19 50	3°10'54	5♈41	19°22	23°23	6°29	3°35	10°55	3°15	29°21	2°40	14°50	13°43	14°32	19°43	W20
T 21	22 23 47	4° 9'12	17°36	20°58	24°33	7° 7	3°44	11° 3	3°15	29°21	2°40	14°47	13°40	14°38	19°43	T 21
F 22	22 27 43	5° 7'33	29°37	22°33	25°42	7°46	3°54	11°10	3°14	29°22	2°40	14°44	13°37	14°45	19°43	F 22
S 23	22 31 40	6° 5'55	11♉49	24° 6	26°52	8°25	4° 3	11°17	3°13	29°22	2°40	14°41	13°34	14°52	19°43	S 23
S 24	22 35 36	7° 4'20	24°14	25°39	28° 2	9° 3	4°13	11°24	3°13	29°23	2°40	14°40	13°31	14°58	19°42	S 24
M25	22 39 33	8° 2'47	6♊57	27°10	29°12	9°42	4°23	11°31	3°12	29°23	2°40	14°D39	13°28	15° 5	19°42	M25
T 26	22 43 29	9° 1'16	20° 1	28°40	0♌22	10°20	4°33	11°39	3°11	29°24	2°R40	14°40	13°24	15°12	19°42	T 26
W27	22 47 26	9°59'48	3♋29	0♎ 9	1°32	10°59	4°43	11°46	3°11	29°25	2°40	14°41	13°21	15°18	19°41	W27
T 28	22 51 23	10°58'22	17°23	1°37	2°42	11°38	4°53	11°53	3°10	29°26	2°40	14°42	13°18	15°25	19°40	T 28
F 29	22 55 19	11°56'58	1♌43	3° 4	3°53	12°16	5° 3	12° 0	3°10	29°26	2°40	14°43	13°15	15°32	19°40	F 29
S 30	22 59 16	12°55'36	16°27	4°30	5° 3	12°55	5°14	12° 7	3°10	29°27	2°40	14°R44	13°12	15°38	19°39	S 30
S 31	23 3 12	13♍54'16	1♍30	5♎54	6♌14	13♍34	5♏24	12♌14	3♑ 9	29♏28	2♊40	14♒43	13♒ 8	15♓45	19♉38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n28	23n24	1n56	18n 3	1n46	21n36	1s56	14n31	1n 7	10s55	1n 1	19n 1	0n50	23s51	0s21	18s30	1n38	10n22	10s36	16s26	16s29	4s43	15n58	1s48
S 2	16 11	18 52	0 37	17 27	1 46	21 38	1 53	14 18	1 7	10 58	1 1	18 59	0 50	23 51	0 21	18 30	1 38	10 22	10 36	16 26	16 30	4 40	15 58	1 48
S 3	15 54	13 6	0s46	16 49	1 45	21 40	1 49	14 5	1 6	11 0	1 0	18 57	0 50	23 51	0 21	18 30	1 38	10 22	10 37	16 26	16 31	4 37	15 58	1 49
M 4	15 36	6 31	2 7	16 11	1 44	21 42	1 45	13 52	1 6	11 3	1 0	18 55	0 51	23 51	0 21	18 30	1 38	10 21	10 37	16 26	16 32	4 33	15 58	1 49
T 5	15 18	0s23	3 18	15 31	1 42	21 43	1 41	13 38	1 6	11 6	1 0	18 53	0 51	23 51	0 21	18 30	1 38	10 21	10 37	16 26	16 33	4 30	15 58	1 49
W 6	15 0	7 9	4 15	14 50	1 39	21 43	1 38	13 25	1 6	11 9	1 0	18 51	0 51	23 51	0 21	18 30	1 38	10 21	10 37	16 27	16 34	4 27	15 58	1 49
T 7	14 42	13 24	4 54	14 9	1 36	21 43	1 34	13 11	1 6	11 12	0 59	18 50	0 51	23 51	0 21	18 30	1 38	10 21	10 37	16 27	16 35	4 24	15 58	1 49
F 8	14 23	18 47	5 14	13 27	1 32	21 42	1 30	12 58	1 5	11 15	0 59	18 48	0 51	23 51	0 21	18 30	1 38	10 21	10 37	16 27	16 36	4 20	15 58	1 50
S 9	14 4	23 2	5 16	12 44	1 28	21 41	1 26	12 44	1 5	11 18	0 59	18 46	0 51	23 51	0 21	18 30	1 38	10 21	10 38	16 27	16 37	4 17	15 58	1 50
S 10	13 45	25 56	5 0	12 0	1 24	21 39	1 22	12 30	1 5	11 21	0 59	18 44	0 51	23 51	0 21	18 30	1 38	10 21	10 38	16 27	16 38	4 14	15 58	1 50
M11	13 26	27 22	4 29	11 17	1 19	21 36	1 18	12 17	1 5	11 24	0 58	18 42	0 51	23 51	0 21	18 30	1 38	10 21	10 38	16 27	16 39	4 11	15 58	1 50
T 12	13 6	27 19	3 46	10 33	1 14	21 33	1 14	12 3	1 4	11 27	0 58	18 40	0 51	23 51	0 21	18 30	1 38	10 21	10 38	16 26	16 40	4 7	15 58	1 50
W13	12 47	25 52	2 52	9 48	1 9	21 30	1 11	11 49	1 4	11 30	0 58	18 38	0 51	23 51	0 21	18 30	1 37	10 20	10 38	16 26	16 41	4 4	15 58	1 51
T 14	12 27	23 11	1 52	9 4	1 3	21 25	1 7	11 35	1 4	11 33	0 58	18 36	0 52	23 51	0 21	18 31	1 37	10 20	10 39	16 26	16 42	4 1	15 58	1 51
F 15	12 7	19 32	0 47	8 19	0 57	21 21	1 3	11 20	1 4	11 36	0 58	18 34	0 52	23 51	0 21	18 31	1 37	10 20	10 39	16 26	16 42	3 57	15 58	1 51
S 16	11 46	15 6	0n19	7 35	0 51	21 15	0 59	11 6	1 4	11 40	0 57	18 32	0 52	23 51	0 21	18 31	1 37	10 20	10 39	16 26	16 43	3 54	15 58	1 51
S 17	11 26	10 9	1 23	6 50	0 45	21 9	0 55	10 52	1 3	11 43	0 57	18 30	0 52	23 52	0 21	18 31	1 37	10 20	10 39	16 26	16 44	3 51	15 58	1 51
M18	11 5	4 52	2 24	6 5	0 38	21 3	0 51	10 38	1 3	11 46	0 57	18 28	0 52	23 52	0 21	18 31	1 37	10 20	10 39	16 26	16 45	3 48	15 57	1 52
T 19	10 44	0n35	3 19	5 21	0 31	20 56	0 47	10 23	1 3	11 49	0 57	18 26	0 52	23 52	0 21	18 31	1 37	10 20	10 40	16 27	16 46	3 44	15 57	1 52
W20	10 23	6 0	4 5	4 36	0 24	20 48	0 44	10 9	1 3	11 53	0 57	18 25	0 52	23 52	0 21	18 31	1 37	10 19	10 40	16 28	16 47	3 41	15 57	1 52
T 21	10 2	11 15	4 40	3 52	0 17	20 40	0 40	9 54	1 2	11 56	0 56	18 23	0 52	23 52	0 21	18 32	1 37	10 19	10 40	16 29	16 48	3 38	15 57	1 52
F 22	9 41	16 7	5 4	3 7	0 10	20 31	0 36	9 39	1 2	12 0	0 56	18 21	0 52	23 52	0 21	18 32	1 37	10 19	10 40	16 29	16 49	3 35	15 56	1 52
S 23	9 19	20 26	5 14	2 23	0 2	20 21	0 32	9 25	1 2	12 3	0 56	18 19	0 53	23 52	0 21	18 32	1 37	10 19	10 40	16 30	16 50	3 31	15 56	1 53
S 24	8 57	23 56	5 11	1 40	0s 5	20 11	0 28	9 10	1 2	12 7	0 56	18 17	0 53	23 52	0 21	18 32	1 37	10 19	10 40	16 31	16 51	3 28	15 56	1 53
M25	8 35	26 21	4 51	0 56	0 13	20 1	0 25	8 55	1 1	12 10	0 56	18 15	0 53	23 52	0 21	18 32	1 37	10 19	10 41	16 31	16 52	3 25	15 56	1 53
T 26	8 13	27 27	4 17	0 13	0 20	19 50	0 21	8 40	1 1	12 14	0 55	18 13	0 53	23 52	0 21	18 33	1 37	10 18	10 41	16 31	16 53	3 21	15 55	1 53
W27	7 51	26 58	3 28	0s29	0 28	19 38	0 17	8 25	1 1	12 17	0 55	18 11	0 53	23 52	0 21	18 33	1 37	10 18	10 41	16 30	16 53	3 18	15 55	1 54
T 28	7 29	24 48	2 25	1 12	0 36	19 26	0 14	8 10	1 1	12 21	0 55	18 9	0 53	23 52	0 21	18 33	1 37	10 18	10 41	16 30	16 54	3 15	15 55	1 54
F 29	7 7	21 1	1 11	1 54	0 44	19 13	0 10	7 55	1 0	12 24	0 55	18 8	0 53	23 52	0 21	18 33	1 37	10 18	10 41	16 30	16 55	3 12	15 54	1 54
S 30	6 44	15 50	0s 9	2 35	0 52	18 59	0 6	7 40	1 0	12 28	0 55	18 6	0 53	23 52	0 21	18 33	1 36	10 18	10 42	16 29	16 56	3 8	15 54	1 54
S 31	6n22	9n35	1s31	3s16	1s 0	18n45	0s 3	7n25	1n 0	12s32	0n55	18n 4	0n54	23s52	0s21	18s34	1n36	10n17	10s42	16s30	16s57	3s 5	15n53	1s54

Julian Day Number = 2142038.5, Delta T = 15m11s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'31, Lahiri = 12°02'32 Julian Calendar 1 Aug. 1152 == Greg. Calendar 8 Aug. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

SEPTEMBER 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 7 9	14♍52'58	16♍43	7♎17	7♌25	14♍13	5♏34	12♌21	3°R 9	29♏29	2°R40	14°R41	13♒ 5	15♓52	19°R38	M 1
T 2	23 11 5	15°51'42	1♎57	8°40	8°36	14°51	5°45	12°27	3♉ 9	29°30	2♊40	14♒37	13° 2	15°58	19♉37	T 2
W 3	23 15 2	16°50'28	17° 1	10° 0	9°47	15°30	5°56	12°34	3° 9	29°31	2°39	14°32	12°59	16° 5	19°36	W 3
T 4	23 18 58	17°49'16	1♏47	11°20	10°58	16° 9	6° 7	12°41	3° 9	29°32	2°39	14°28	12°56	16°12	19°35	T 4
F 5	23 22 55	18°48'06	16° 8	12°38	12° 9	16°48	6°17	12°48	3°D 9	29°33	2°39	14°24	12°53	16°18	19°34	F 5
S 6	23 26 52	19°46'58	0♐ 2	13°55	13°20	17°27	6°28	12°54	3° 9	29°34	2°39	14°20	12°49	16°25	19°33	S 6
S 7	23 30 48	20°45'51	13°27	15°10	14°32	18° 6	6°39	13° 1	3° 9	29°35	2°39	14°19	12°46	16°32	19°31	S 7
M 8	23 34 45	21°44'46	26°26	16°24	15°43	18°45	6°50	13° 8	3° 9	29°36	2°38	14°D19	12°43	16°38	19°30	M 8
T 9	23 38 41	22°43'43	9♑ 3	17°36	16°55	19°24	7° 2	13°14	3° 9	29°37	2°38	14°20	12°40	16°45	19°29	T 9
W10	23 42 38	23°42'42	21°21	18°47	18° 6	20° 3	7°13	13°21	3° 9	29°38	2°38	14°21	12°37	16°52	19°27	W10
T 11	23 46 34	24°41'43	3♒26	19°55	19°18	20°42	7°24	13°27	3° 9	29°39	2°37	14°23	12°34	16°58	19°26	T 11
F 12	23 50 31	25°40'45	15°22	21° 2	20°30	21°21	7°35	13°33	3°10	29°41	2°37	14°R23	12°30	17° 5	19°25	F 12
S 13	23 54 27	26°39'49	27°13	22° 6	21°42	22° 0	7°47	13°40	3°10	29°42	2°37	14°22	12°27	17°12	19°23	S 13
S 14	23 58 24	27°38'55	9♓ 2	23° 8	22°54	22°39	7°58	13°46	3°10	29°43	2°36	14°19	12°24	17°18	19°21	S 14
M15	0 2 21	28°38'03	20°51	24° 8	24° 6	23°18	8°10	13°52	3°11	29°44	2°36	14°14	12°21	17°25	19°20	M15
T 16	0 6 17	29°37'14	2♈42	25° 5	25°19	23°57	8°22	13°58	3°11	29°46	2°35	14° 7	12°18	17°32	19°18	T 16
W17	0 10 14	0♎36'26	14°39	25°59	26°31	24°36	8°33	14° 4	3°12	29°47	2°35	13°59	12°14	17°38	19°16	W17
T 18	0 14 10	1°35'40	26°41	26°49	27°43	25°15	8°45	14°10	3°13	29°48	2°35	13°50	12°11	17°45	19°14	T 18
F 19	0 18 7	2°34'57	8♉50	27°37	28°56	25°55	8°57	14°16	3°13	29°50	2°34	13°41	12° 8	17°52	19°13	F 19
S 20	0 22 3	3°34'16	21° 9	28°20	0♍ 8	26°34	9° 9	14°22	3°14	29°51	2°34	13°33	12° 5	17°58	19°11	S 20
S 21	0 26 0	4°33'37	3♊39	28°59	1°21	27°13	9°21	14°28	3°15	29°53	2°33	13°26	12° 2	18° 5	19° 9	S 21
M22	0 29 56	5°33'01	16°23	29°34	2°34	27°52	9°33	14°34	3°16	29°54	2°32	13°22	11°59	18°12	19° 7	M22
T 23	0 33 53	6°32'27	29°24	0♏ 4	3°47	28°32	9°45	14°40	3°16	29°56	2°32	13°20	11°55	18°18	19° 5	T 23
W24	0 37 50	7°31'56	12♋44	0°28	5° 0	29°11	9°57	14°45	3°17	29°57	2°31	13°D20	11°52	18°25	19° 2	W24
T 25	0 41 46	8°31'26	26°26	0°46	6°13	29°50	10°10	14°51	3°18	29°59	2°31	13°21	11°49	18°32	19° 0	T 25
F 26	0 45 43	9°30'59	10♌32	0°58	7°26	0♎30	10°22	14°56	3°19	0♐ 0	2°30	13°R22	11°46	18°38	18°58	F 26
S 27	0 49 39	10°30'35	25° 2	1°R 2	8°39	1° 9	10°34	15° 2	3°20	0° 2	2°29	13°21	11°43	18°45	18°56	S 27
S 28	0 53 36	11°30'13	9♍52	0°59	9°52	1°49	10°47	15° 7	3°22	0° 4	2°29	13°18	11°39	18°52	18°53	S 28
M29	0 57 32	12°29'52	24°56	0°48	11° 5	2°28	10°59	15°12	3°23	0° 5	2°28	13°13	11°36	18°58	18°51	M29
T 30	1 1 29	13♎29'34	10♎ 7	0♏29	12♍19	3♎ 8	11♏12	15♌18	3♉24	0♐ 7	2♊27	13♒ 6	11♒33	19♓ 5	18♉49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n59	2n43	2s46	3s56	1s 7	18n31	0n 1	7n 9	1n 0	12s35	0n54	18n 2	0n54	23s52	0s21	18s34	1n36	10n17	10s42	16s30	16s58	3s 2	15n53	1s55
T 2	5 36	4s18	3 50	4 36	1 15	18 16	0 4	6 54	0 59	12 39	0 54	18 0	0 54	23 52	0 21	18 34	1 36	10 17	10 42	16 31	16 59	2 59	15 53	1 55
W 3	5 13	10 59	4 37	5 15	1 23	18 0	0 8	6 39	0 59	12 43	0 54	17 58	0 54	23 52	0 21	18 34	1 36	10 17	10 42	16 33	17 0	2 55	15 52	1 55
T 4	4 50	16 54	5 5	5 54	1 31	17 44	0 11	6 23	0 59	12 46	0 54	17 57	0 54	23 52	0 21	18 35	1 36	10 17	10 43	16 34	17 1	2 52	15 52	1 55
F 5	4 27	21 43	5 12	6 32	1 39	17 28	0 14	6 8	0 58	12 50	0 54	17 55	0 54	23 52	0 21	18 35	1 36	10 16	10 43	16 35	17 2	2 49	15 51	1 55
S 6	4 4	25 8	5 1	7 9	1 46	17 11	0 18	5 52	0 58	12 54	0 54	17 53	0 54	23 52	0 21	18 35	1 36	10 16	10 43	16 36	17 2	2 45	15 51	1 56
S 7	3 41	27 2	4 33	7 45	1 54	16 53	0 21	5 37	0 58	12 58	0 53	17 51	0 54	23 52	0 21	18 36	1 36	10 16	10 43	16 37	17 3	2 42	15 50	1 56
M 8	3 17	27 22	3 52	8 20	2 1	16 35	0 24	5 21	0 58	13 1	0 53	17 50	0 55	23 52	0 21	18 36	1 36	10 16	10 43	16 37	17 4	2 39	15 50	1 56
T 9	2 54	26 15	3 1	8 55	2 8	16 16	0 27	5 6	0 57	13 5	0 53	17 48	0 55	23 52	0 21	18 36	1 36	10 15	10 43	16 37	17 5	2 36	15 49	1 56
W10	2 30	23 51	2 2	9 29	2 16	15 57	0 30	4 50	0 57	13 9	0 53	17 46	0 55	23 52	0 21	18 36	1 36	10 15	10 44	16 36	17 6	2 32	15 49	1 56
T 11	2 7	20 26	0 59	10 1	2 22	15 38	0 33	4 34	0 57	13 13	0 53	17 44	0 55	23 51	0 21	18 37	1 36	10 15	10 44	16 36	17 7	2 29	15 48	1 57
F 12	1 44	16 13	0n 5	10 33	2 29	15 18	0 36	4 19	0 56	13 17	0 53	17 43	0 55	23 51	0 21	18 37	1 36	10 15	10 44	16 35	17 8	2 26	15 47	1 57
S 13	1 20	11 25	1 9	11 3	2 36	14 58	0 39	4 3	0 56	13 21	0 52	17 41	0 55	23 51	0 21	18 37	1 36	10 14	10 44	16 36	17 9	2 23	15 47	1 57
S 14	0 56	6 13	2 10	11 32	2 42	14 37	0 42	3 47	0 56	13 25	0 52	17 39	0 55	23 51	0 21	18 38	1 36	10 14	10 44	16 37	17 10	2 19	15 46	1 57
M15	0 33	0 49	3 4	12 0	2 48	14 15	0 45	3 31	0 55	13 28	0 52	17 38	0 56	23 51	0 21	18 38	1 36	10 14	10 45	16 38	17 11	2 16	15 45	1 57
T 16	0 9	4n37	3 51	12 26	2 54	13 54	0 48	3 15	0 55	13 32	0 52	17 36	0 56	23 51	0 21	18 38	1 36	10 14	10 45	16 40	17 11	2 13	15 45	1 58
W17	0s15	9 55	4 28	12 51	2 59	13 32	0 51	2 59	0 55	13 36	0 52	17 34	0 56	23 51	0 21	18 39	1 35	10 13	10 45	16 43	17 12	2 10	15 44	1 58
T 18	0 38	14 53	4 53	13 14	3 4	13 9	0 53	2 44	0 54	13 40	0 52	17 33	0 56	23 51	0 21	18 39	1 35	10 13	10 45	16 45	17 13	2 6	15 43	1 58
F 19	1 2	19 20	5 6	13 36	3 8	12 46	0 56	2 28	0 54	13 44	0 52	17 31	0 56	23 51	0 21	18 39	1 35	10 13	10 45	16 48	17 14	2 3	15 43	1 58
S 20	1 26	23 1	5 4	13 55	3 12	12 23	0 58	2 12	0 54	13 48	0 51	17 30	0 56	23 51	0 21	18 40	1 35	10 13	10 45	16 50	17 15	2 0	15 42	1 58
S 21	1 49	25 42	4 48	14 12	3 15	11 59	1 1	1 56	0 53	13 52	0 51	17 28	0 56	23 51	0 21	18 40	1 35	10 12	10 46	16 52	17 16	1 56	15 41	1 59
M22	2 13	27 7	4 18	14 27	3 18	11 35	1 3	1 40	0 53	13 56	0 51	17 27	0 57	23 51	0 21	18 40	1 35	10 12	10 46	16 53	17 17	1 53	15 41	1 59
T 23	2 37	27 6	3 34	14 39	3 20	11 11	1 5	1 24	0 53	14 0	0 51	17 25	0 57	23 51	0 21	18 41	1 35	10 12	10 46	16 54	17 18	1 50	15 40	1 59
W24	3 0	25 32	2 37	14 49	3 21	10 46	1 8	1 8	0 53	14 4	0 51	17 23	0 57	23 51	0 21	18 41	1 35	10 12	10 46	16 54	17 19	1 47	15 39	1 59
T 25	3 24	22 26	1 30	14 55	3 21	10 21	1 10	0 52	0 52	14 8	0 51	17 22	0 57	23 51	0 21	18 42	1 35	10 11	10 46	16 54	17 19	1 43	15 38	1 59
F 26	3 47	17 55	0 15	14 59	3 20	9 56	1 12	0 36	0 52	14 12	0 51	17 21	0 57	23 51	0 21	18 42	1 35	10 11	10 46	16 53	17 20	1 40	15 38	2 0
S 27	4 11	12 16	1s 2	14 58	3 18	9 30	1 14	0 20	0 51	14 16	0 50	17 19	0 57	23 51	0 21	18 42	1 35	10 11	10 46	16 53	17 21	1 37	15 37	2 0
S 28	4 34	5 48	2 17	14 54	3 14	9 4	1 16	0 3	0 51	14 20	0 50	17 18	0 58	23 51	0 21	18 43	1 35	10 11	10 47	16 54	17 22	1 34	15 36	2 0
M29	4 58	1s 5	3 23	14 46	3 9	8 38	1 18	0s13	0 51	14 24	0 50	17 16	0 58	23 51	0 21	18 43	1 35	10 10	10 47	16 56	17 23	1 30	15 35	2 0
T 30	5s21	7s56	4s15	14s33	3s 3	8n12	1n19	0s29	0n50	14s28	0n50	17n15	0n58	23s51	0s21	18s43	1n35	10n10	10s47	16s58	17s24	1s27	15n34	2s 0

Julian Day Number = 2142069.5, Delta T = 15m11s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'35, Lahiri = 12°02'36 Julian Calendar 1 Sept. 1152 == Greg. Calendar 8 Sept. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

OCTOBER 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 5 25	14♎29'18	25♎13	0°R 1	13♍32	3♎47	11♏24	15♌23	3♑25	0♐ 9	2°R27	12°R57	11♒30	19♓12	18°R46	W 1
T 2	1 9 22	15°29'05	10♏ 5	29♎24	14°46	4°27	11°37	15°28	3°27	0°10	2♊26	12♒47	11°27	19°18	18♉44	T 2
F 3	1 13 19	16°28'53	24°35	28°39	15°59	5° 6	11°49	15°33	3°28	0°12	2°25	12°37	11°24	19°25	18°41	F 3
S 4	1 17 15	17°28'43	8♐36	27°45	17°13	5°46	12° 2	15°38	3°29	0°14	2°25	12°30	11°20	19°32	18°38	S 4
S 5	1 21 12	18°28'34	22° 8	26°43	18°27	6°26	12°15	15°43	3°31	0°16	2°24	12°24	11°17	19°38	18°36	S 5
M 6	1 25 8	19°28'28	5♑11	25°35	19°40	7° 5	12°28	15°47	3°32	0°17	2°23	12°21	11°14	19°45	18°33	M 6
T 7	1 29 5	20°28'23	17°50	24°22	20°54	7°45	12°40	15°52	3°34	0°19	2°22	12°D20	11°11	19°52	18°30	T 7
W 8	1 33 1	21°28'20	0♒ 8	23° 6	22° 8	8°25	12°53	15°57	3°35	0°21	2°21	12°20	11° 8	19°58	18°28	W 8
T 9	1 36 58	22°28'18	12°11	21°49	23°22	9° 5	13° 6	16° 1	3°37	0°23	2°20	12°R21	11° 5	20° 5	18°25	T 9
F 10	1 40 54	23°28'18	24° 4	20°34	24°36	9°44	13°19	16° 6	3°39	0°25	2°20	12°20	11° 1	20°12	18°22	F 10
S 11	1 44 51	24°28'20	5♓52	19°23	25°50	10°24	13°32	16°10	3°41	0°27	2°19	12°17	10°58	20°18	18°19	S 11
S 12	1 48 48	25°28'23	17°40	18°17	27° 4	11° 4	13°45	16°14	3°42	0°29	2°18	12°12	10°55	20°25	18°16	S 12
M13	1 52 44	26°28'28	29°31	17°20	28°18	11°44	13°58	16°18	3°44	0°31	2°17	12° 4	10°52	20°32	18°14	M13
T 14	1 56 41	27°28'35	11♈28	16°32	29°32	12°24	14°11	16°22	3°46	0°33	2°16	11°53	10°49	20°38	18°11	T 14
W15	2 0 37	28°28'44	23°33	15°55	0♎46	13° 4	14°24	16°26	3°48	0°35	2°15	11°41	10°45	20°45	18° 8	W15
T 16	2 4 34	29°28'55	5♉47	15°29	2° 1	13°44	14°37	16°30	3°50	0°36	2°14	11°27	10°42	20°52	18° 5	T 16
F 17	2 8 30	0♏29'07	18°10	15°15	3°15	14°24	14°50	16°34	3°52	0°38	2°13	11°13	10°39	20°58	18° 2	F 17
S 18	2 12 27	1°29'22	0♊43	15°D13	4°29	15° 4	15° 3	16°38	3°54	0°41	2°12	11° 0	10°36	21° 5	17°59	S 18
S 19	2 16 23	2°29'38	13°27	15°21	5°44	15°44	15°17	16°41	3°56	0°43	2°11	10°50	10°33	21°12	17°55	S 19
M20	2 20 20	3°29'56	26°21	15°41	6°58	16°24	15°30	16°45	3°58	0°45	2°10	10°43	10°30	21°19	17°52	M20
T 21	2 24 16	4°30'17	9♋29	16° 9	8°13	17° 4	15°43	16°48	4° 0	0°47	2° 9	10°39	10°26	21°25	17°49	T 21
W22	2 28 13	5°30'39	22°50	16°47	9°27	17°44	15°56	16°52	4° 3	0°49	2° 8	10°37	10°23	21°32	17°46	W22
T 23	2 32 10	6°31'03	6♌26	17°33	10°42	18°24	16°10	16°55	4° 5	0°51	2° 7	10°36	10°20	21°39	17°43	T 23
F 24	2 36 6	7°31'30	20°21	18°25	11°56	19° 4	16°23	16°58	4° 7	0°53	2° 6	10°36	10°17	21°45	17°40	F 24
S 25	2 40 3	8°31'58	4♍33	19°24	13°11	19°45	16°36	17° 1	4°10	0°55	2° 5	10°35	10°14	21°52	17°37	S 25
S 26	2 43 59	9°32'28	19° 2	20°28	14°26	20°25	16°49	17° 4	4°12	0°57	2° 4	10°31	10°11	21°59	17°34	S 26
M27	2 47 56	10°33'00	3♎45	21°37	15°40	21° 5	17° 3	17° 7	4°14	0°59	2° 3	10°25	10° 7	22° 5	17°30	M27
T 28	2 51 52	11°33'34	18°36	22°50	16°55	21°46	17°16	17° 9	4°17	1° 2	2° 2	10°16	10° 4	22°12	17°27	T 28
W29	2 55 49	12°34'09	3♏27	24° 6	18°10	22°26	17°30	17°12	4°19	1° 4	2° 1	10° 4	10° 1	22°19	17°24	W29
T 30	2 59 45	13°34'47	18° 8	25°26	19°25	23° 6	17°43	17°15	4°22	1° 6	2° 0	9°52	9°58	22°25	17°21	T 30
F 31	3 3 42	14♏35'25	2♐33	26♎48	20♎40	23♎47	17♏56	17♌17	4♑24	1♐ 8	1♊59	9♒40	9♒55	22♓32	17♉17	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s44	14s17	4s50	14s15	2s55	7n45	1n21	0s45	0n50	14s32	0n50	17n13	0n58	23s51	0s21	18s44	1n35	10n10	10s47	17s 0	17s25	1s24	15n33	2s 0
T 2	6 7	19 42	5 3	13 53	2 45	7 18	1 23	1 1	0 50	14 36	0 50	17 12	0 58	23 51	0 21	18 44	1 35	10 10	10 47	17 3	17 26	1 21	15 33	2 1
F 3	6 31	23 48	4 57	13 26	2 34	6 51	1 24	1 17	0 49	14 40	0 50	17 11	0 58	23 51	0 21	18 45	1 35	10 9	10 47	17 6	17 27	1 17	15 32	2 1
S 4	6 54	26 20	4 33	12 54	2 20	6 23	1 26	1 33	0 49	14 44	0 50	17 9	0 59	23 51	0 20	18 45	1 35	10 9	10 47	17 8	17 27	1 14	15 31	2 1
S 5	7 16	27 13	3 54	12 17	2 5	5 56	1 27	1 49	0 49	14 48	0 49	17 8	0 59	23 51	0 20	18 45	1 35	10 9	10 48	17 10	17 28	1 11	15 30	2 1
M 6	7 39	26 31	3 4	11 37	1 48	5 28	1 29	2 5	0 48	14 52	0 49	17 7	0 59	23 51	0 20	18 46	1 35	10 9	10 48	17 10	17 29	1 8	15 29	2 1
T 7	8 2	24 27	2 7	10 53	1 30	5 0	1 30	2 21	0 48	14 56	0 49	17 6	0 59	23 51	0 20	18 46	1 35	10 8	10 48	17 11	17 30	1 4	15 28	2 1
W 8	8 25	21 16	1 5	10 7	1 10	4 32	1 31	2 37	0 47	15 0	0 49	17 5	0 59	23 51	0 20	18 47	1 35	10 8	10 48	17 11	17 31	1 1	15 27	2 2
T 9	8 47	17 14	0 1	9 19	0 50	4 3	1 32	2 54	0 47	15 4	0 49	17 3	1 0	23 51	0 20	18 47	1 34	10 8	10 48	17 11	17 32	0 58	15 26	2 2
F 10	9 9	12 35	1n 2	8 31	0 29	3 35	1 33	3 10	0 47	15 8	0 49	17 2	1 0	23 50	0 20	18 48	1 34	10 7	10 48	17 11	17 33	0 55	15 25	2 2
S 11	9 32	7 31	2 2	7 45	0 9	3 6	1 34	3 26	0 46	15 12	0 49	17 1	1 0	23 50	0 20	18 48	1 34	10 7	10 48	17 12	17 34	0 51	15 25	2 2
S 12	9 54	2 12	2 56	7 2	0n11	2 37	1 35	3 42	0 46	15 16	0 49	17 0	1 0	23 50	0 20	18 48	1 34	10 7	10 48	17 13	17 34	0 48	15 24	2 2
M13	10 16	3n12	3 42	6 22	0 31	2 9	1 36	3 58	0 46	15 20	0 49	16 59	1 0	23 50	0 20	18 49	1 34	10 7	10 48	17 15	17 35	0 45	15 23	2 2
T 14	10 37	8 32	4 20	5 47	0 49	1 40	1 36	4 14	0 45	15 24	0 48	16 58	1 0	23 50	0 20	18 49	1 34	10 6	10 49	17 18	17 36	0 42	15 22	2 2
W15	10 59	13 36	4 46	5 17	1 5	1 10	1 37	4 30	0 45	15 28	0 48	16 57	1 1	23 50	0 20	18 50	1 34	10 6	10 49	17 22	17 37	0 38	15 21	2 3
T 16	11 20	18 12	4 59	4 53	1 20	0 41	1 38	4 46	0 44	15 32	0 48	16 56	1 1	23 50	0 20	18 50	1 34	10 6	10 49	17 26	17 38	0 35	15 20	2 3
F 17	11 42	22 5	4 58	4 36	1 33	0 12	1 38	5 2	0 44	15 36	0 48	16 55	1 1	23 50	0 20	18 51	1 34	10 6	10 49	17 29	17 39	0 32	15 19	2 3
S 18	12 3	25 0	4 43	4 25	1 45	0s17	1 38	5 17	0 44	15 40	0 48	16 54	1 1	23 50	0 20	18 51	1 34	10 5	10 49	17 33	17 40	0 29	15 18	2 3
S 19	12 24	26 43	4 14	4 19	1 54	0 47	1 39	5 33	0 43	15 44	0 48	16 53	1 1	23 50	0 20	18 52	1 34	10 5	10 49	17 36	17 41	0 25	15 17	2 3
M20	12 44	27 1	3 31	4 19	2 2	1 16	1 39	5 49	0 43	15 48	0 48	16 52	1 2	23 50	0 20	18 52	1 34	10 5	10 49	17 38	17 41	0 22	15 16	2 3
T 21	13 5	25 49	2 36	4 25	2 8	1 45	1 39	6 5	0 42	15 52	0 48	16 51	1 2	23 50	0 20	18 52	1 34	10 5	10 49	17 39	17 42	0 19	15 15	2 3
W22	13 25	23 8	1 33	4 35	2 12	2 15	1 39	6 21	0 42	15 55	0 48	16 50	1 2	23 50	0 20	18 53	1 34	10 4	10 49	17 39	17 43	0 16	15 14	2 4
T 23	13 45	19 6	0 22	4 50	2 16	2 44	1 39	6 37	0 41	15 59	0 48	16 50	1 2	23 50	0 20	18 53	1 34	10 4	10 49	17 40	17 44	0 12	15 13	2 4
F 24	14 5	13 58	0s51	5 8	2 17	3 13	1 39	6 52	0 41	16 3	0 48	16 49	1 2	23 50	0 20	18 54	1 34	10 4	10 49	17 40	17 45	0 9	15 12	2 4
S 25	14 25	7 59	2 3	5 30	2 18	3 43	1 39	7 8	0 41	16 7	0 47	16 48	1 3	23 49	0 20	18 54	1 34	10 4	10 49	17 40	17 46	0 6	15 11	2 4
S 26	14 44	1 29	3 8	5 54	2 18	4 12	1 39	7 24	0 40	16 11	0 47	16 47	1 3	23 49	0 20	18 55	1 34	10 3	10 49	17 41	17 47	0 3	15 10	2 4
M27	15 3	5s11	4 1	6 21	2 16	4 41	1 38	7 39	0 40	16 15	0 47	16 47	1 3	23 49	0 20	18 55	1 34	10 3	10 49	17 43	17 47	0n 1	15 9	2 4
T 28	15 22	11 37	4 39	6 50	2 14	5 10	1 38	7 55	0 39	16 19	0 47	16 46	1 3	23 49	0 20	18 56	1 34	10 3	10 50	17 45	17 48	0 4	15 8	2 4
W29	15 41	17 23	4 58	7 21	2 11	5 39	1 38	8 10	0 39	16 23	0 47	16 45	1 3	23 49	0 20	18 56	1 34	10 3	10 50	17 48	17 49	0 7	15 7	2 4
T 30	15 59	22 4	4 57	7 54	2 8	6 8	1 37	8 26	0 38	16 26	0 47	16 45	1 4	23 49	0 20	18 57	1 34	10 2	10 50	17 52	17 50	0 10	15 6	2 4
F 31	16s17	25s17	4s37	8s27	2n 4	6s37	1n37	8s41	0n38	16s30	0n47	16n44	1n 4	23s49	0s20	18s57	1n34	10n 2	10s50	17s55	17s51	0n14	15n 5	2s 5

Julian Day Number = 2142099.5, Delta T = 15m11s
Ecliptic obliquity = 23°33'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'40, Lahiri = 12°02'40 Julian Calendar 1 Oct. 1152 == Greg. Calendar 8 Oct. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

NOVEMBER 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 39	15♏36'06	16♐34	28♎11	21♎55	24♎27	18♏10	17♌19	4♑27	1♐10	1°R58	9°R30	9♒51	22♓39	17°R14	S 1
S 2	3 11 35	16°36'47	0♑ 8	29°37	23°10	25° 8	18°23	17°22	4°30	1°12	1♊57	9♒22	9°48	22°45	17♉11	S 2
M 3	3 15 32	17°37'30	13°15	1♏ 4	24°24	25°48	18°37	17°24	4°32	1°15	1°56	9°18	9°45	22°52	17° 8	M 3
T 4	3 19 28	18°38'14	25°57	2°32	25°39	26°29	18°50	17°26	4°35	1°17	1°54	9°15	9°42	22°59	17° 4	T 4
W 5	3 23 25	19°38'59	8♒18	4° 2	26°54	27° 9	19° 3	17°28	4°38	1°19	1°53	9°D15	9°39	23° 5	17° 1	W 5
T 6	3 27 21	20°39'45	20°23	5°32	28° 9	27°50	19°17	17°29	4°41	1°21	1°52	9°R15	9°36	23°12	16°58	T 6
F 7	3 31 18	21°40'32	2♓17	7° 3	29°24	28°31	19°30	17°31	4°44	1°24	1°51	9°14	9°32	23°19	16°55	F 7
S 8	3 35 15	22°41'20	14° 6	8°34	0♏40	29°11	19°44	17°33	4°46	1°26	1°50	9°12	9°29	23°25	16°52	S 8
S 9	3 39 11	23°42'09	25°55	10° 6	1°55	29°52	19°57	17°34	4°49	1°28	1°49	9° 8	9°26	23°32	16°48	S 9
M10	3 43 8	24°42'59	7♈49	11°38	3°10	0♏33	20°10	17°35	4°52	1°30	1°48	9° 1	9°23	23°39	16°45	M10
T 11	3 47 4	25°43'50	19°51	13°11	4°25	1°14	20°24	17°37	4°55	1°33	1°47	8°51	9°20	23°46	16°42	T 11
W12	3 51 1	26°44'42	2♉ 5	14°43	5°40	1°54	20°37	17°38	4°58	1°35	1°45	8°39	9°17	23°52	16°39	W12
T 13	3 54 57	27°45'35	14°31	16°16	6°55	2°35	20°50	17°39	5° 1	1°37	1°44	8°26	9°13	23°59	16°36	T 13
F 14	3 58 54	28°46'29	27°10	17°49	8°10	3°16	21° 4	17°40	5° 4	1°39	1°43	8°13	9°10	24° 6	16°32	F 14
S 15	4 2 50	29°47'25	10♊ 2	19°22	9°25	3°57	21°17	17°40	5° 7	1°42	1°42	8° 1	9° 7	24°12	16°29	S 15
S 16	4 6 47	0♐48'21	23° 7	20°55	10°41	4°38	21°31	17°41	5°10	1°44	1°41	7°51	9° 4	24°19	16°26	S 16
M17	4 10 44	1°49'19	6♋22	22°29	11°56	5°19	21°44	17°42	5°13	1°46	1°40	7°45	9° 1	24°26	16°23	M17
T 18	4 14 40	2°50'17	19°47	24° 2	13°11	6° 0	21°57	17°42	5°16	1°48	1°39	7°41	8°57	24°32	16°20	T 18
W19	4 18 37	3°51'17	3♌22	25°36	14°26	6°41	22°10	17°42	5°20	1°51	1°37	7°D39	8°54	24°39	16°17	W19
T 20	4 22 33	4°52'18	17° 7	27° 9	15°42	7°22	22°24	17°43	5°23	1°53	1°36	7°39	8°51	24°46	16°14	T 20
F 21	4 26 30	5°53'20	1♍ 1	28°43	16°57	8° 3	22°37	17°43	5°26	1°55	1°35	7°R40	8°48	24°52	16°11	F 21
S 22	4 30 26	6°54'24	15° 5	0♐16	18°12	8°44	22°50	17°R43	5°29	1°57	1°34	7°40	8°45	24°59	16° 8	S 22
S 23	4 34 23	7°55'28	29°18	1°50	19°27	9°25	23° 3	17°43	5°32	2° 0	1°33	7°38	8°42	25° 6	16° 5	S 23
M24	4 38 19	8°56'33	13♎38	3°24	20°43	10° 6	23°17	17°42	5°36	2° 2	1°32	7°33	8°38	25°12	16° 2	M24
T 25	4 42 16	9°57'40	28° 2	4°58	21°58	10°48	23°30	17°42	5°39	2° 4	1°30	7°27	8°35	25°19	15°59	T 25
W26	4 46 13	10°58'47	12♏25	6°32	23°13	11°29	23°43	17°42	5°42	2° 6	1°29	7°18	8°32	25°26	15°56	W26
T 27	4 50 9	11°59'55	26°41	8° 6	24°29	12°10	23°56	17°41	5°46	2° 9	1°28	7° 8	8°29	25°33	15°53	T 27
F 28	4 54 6	13° 1'04	10♐45	9°40	25°44	12°52	24° 9	17°40	5°49	2°11	1°27	6°59	8°26	25°39	15°51	F 28
S 29	4 58 2	14° 2'14	24°31	11°14	27° 0	13°33	24°22	17°40	5°52	2°13	1°26	6°51	8°23	25°46	15°48	S 29
S 30	5 1 59	15♐ 3'24	7♑56	12♐49	28♏15	14♏14	24♏35	17♌39	5♑56	2♐15	1♊25	6♒45	8♒19	25♓53	15♉45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s35	26s51	4s 0	9s 1	1n59	7s 6	1n36	8s56	0n37	16s34	0n47	16n44	1n 4	23s49	0s20	18s58	1n34	10n 2	10s50	17s57	17s52	0n17	15n 4	2s 5
S 2	16 53	26 44	3 11	9 36	1 54	7 34	1 35	9 12	0 37	16 38	0 47	16 43	1 4	23 49	0 20	18 58	1 34	10 2	10 50	17 59	17 53	0 20	15 3	2 5
M 3	17 10	25 6	2 13	10 12	1 49	8 2	1 34	9 27	0 37	16 42	0 47	16 43	1 4	23 49	0 20	18 58	1 34	10 1	10 50	18 1	17 53	0 23	15 2	2 5
T 4	17 27	22 12	1 10	10 48	1 43	8 31	1 34	9 42	0 36	16 45	0 47	16 42	1 5	23 49	0 20	18 59	1 34	10 1	10 50	18 1	17 54	0 27	15 1	2 5
W 5	17 44	18 21	0 5	11 24	1 37	8 59	1 33	9 57	0 36	16 49	0 47	16 42	1 5	23 48	0 20	18 59	1 34	10 1	10 50	18 1	17 55	0 30	15 0	2 5
T 6	18 0	13 50	0n59	12 0	1 31	9 27	1 32	10 12	0 35	16 53	0 47	16 42	1 5	23 48	0 20	19 0	1 34	10 1	10 50	18 1	17 56	0 33	14 59	2 5
F 7	18 16	8 52	1 59	12 36	1 25	9 54	1 31	10 27	0 35	16 57	0 47	16 41	1 5	23 48	0 20	19 0	1 34	10 1	10 50	18 2	17 57	0 36	14 58	2 5
S 8	18 32	3 37	2 54	13 11	1 18	10 22	1 29	10 42	0 34	17 0	0 46	16 41	1 5	23 48	0 20	19 1	1 34	10 0	10 50	18 2	17 58	0 40	14 57	2 5
S 9	18 47	1n45	3 41	13 47	1 12	10 49	1 28	10 57	0 34	17 4	0 46	16 41	1 6	23 48	0 20	19 1	1 34	10 0	10 50	18 3	17 59	0 43	14 56	2 5
M10	19 2	7 4	4 18	14 22	1 5	11 16	1 27	11 12	0 33	17 8	0 46	16 41	1 6	23 48	0 20	19 2	1 34	10 0	10 50	18 5	17 59	0 46	14 55	2 5
T 11	19 17	12 12	4 45	14 57	0 58	11 42	1 26	11 27	0 33	17 11	0 46	16 40	1 6	23 48	0 20	19 2	1 34	10 0	10 50	18 8	18 0	0 49	14 54	2 6
W12	19 31	16 55	4 59	15 31	0 51	12 9	1 24	11 41	0 32	17 15	0 46	16 40	1 6	23 48	0 20	19 3	1 34	9 59	10 50	18 11	18 1	0 52	14 53	2 6
T 13	19 45	21 2	5 0	16 5	0 44	12 35	1 23	11 56	0 32	17 18	0 46	16 40	1 6	23 48	0 20	19 3	1 34	9 59	10 50	18 14	18 2	0 56	14 52	2 6
F 14	19 59	24 14	4 45	16 38	0 37	13 1	1 21	12 10	0 31	17 22	0 46	16 40	1 7	23 47	0 20	19 4	1 34	9 59	10 50	18 18	18 3	0 59	14 51	2 6
S 15	20 12	26 17	4 16	17 10	0 30	13 26	1 20	12 25	0 31	17 26	0 46	16 40	1 7	23 47	0 20	19 4	1 34	9 59	10 50	18 21	18 4	1 2	14 50	2 6
S 16	20 25	26 55	3 33	17 42	0 23	13 51	1 18	12 39	0 30	17 29	0 46	16 40	1 7	23 47	0 20	19 4	1 34	9 59	10 50	18 23	18 4	1 5	14 49	2 6
M17	20 37	26 2	2 38	18 13	0 16	14 16	1 17	12 53	0 30	17 33	0 46	16 40	1 7	23 47	0 20	19 5	1 34	9 59	10 50	18 25	18 5	1 9	14 48	2 6
T 18	20 49	23 38	1 34	18 43	0 9	14 41	1 15	13 7	0 29	17 36	0 46	16 40	1 7	23 47	0 20	19 5	1 34	9 58	10 50	18 26	18 6	1 12	14 47	2 6
W19	21 1	19 52	0 23	19 13	0 2	15 5	1 13	13 22	0 29	17 40	0 46	16 40	1 8	23 47	0 20	19 6	1 34	9 58	10 50	18 26	18 7	1 15	14 46	2 6
T 20	21 12	14 59	0s50	19 41	0s 5	15 29	1 11	13 35	0 28	17 43	0 46	16 40	1 8	23 47	0 20	19 6	1 34	9 58	10 49	18 26	18 8	1 18	14 45	2 6
F 21	21 23	9 16	2 1	20 9	0 12	15 52	1 10	13 49	0 28	17 46	0 46	16 41	1 8	23 47	0 20	19 7	1 34	9 58	10 49	18 26	18 9	1 21	14 45	2 6
S 22	21 34	3 3	3 6	20 36	0 18	16 15	1 8	14 3	0 27	17 50	0 46	16 41	1 8	23 46	0 20	19 7	1 34	9 58	10 49	18 26	18 9	1 25	14 44	2 6
S 23	21 44	3s23	4 0	21 2	0 25	16 37	1 6	14 17	0 26	17 53	0 46	16 41	1 9	23 46	0 20	19 8	1 34	9 58	10 49	18 27	18 10	1 28	14 43	2 6
M24	21 54	9 41	4 39	21 27	0 31	16 59	1 4	14 30	0 26	17 57	0 46	16 41	1 9	23 46	0 20	19 8	1 34	9 57	10 49	18 28	18 11	1 31	14 42	2 6
T 25	22 3	15 30	5 1	21 50	0 38	17 21	1 2	14 44	0 25	18 0	0 46	16 42	1 9	23 46	0 20	19 9	1 34	9 57	10 49	18 30	18 12	1 34	14 41	2 6
W26	22 12	20 27	5 4	22 13	0 44	17 42	1 0	14 57	0 25	18 3	0 46	16 42	1 9	23 46	0 20	19 9	1 34	9 57	10 49	18 32	18 13	1 38	14 40	2 6
T 27	22 20	24 10	4 47	22 35	0 50	18 3	0 58	15 11	0 24	18 6	0 46	16 42	1 9	23 46	0 20	19 9	1 34	9 57	10 49	18 34	18 14	1 41	14 39	2 6
F 28	22 28	26 21	4 14	22 55	0 56	18 23	0 56	15 24	0 24	18 10	0 45	16 43	1 10	23 46	0 20	19 10	1 34	9 57	10 49	18 37	18 14	1 44	14 38	2 6
S 29	22 35	26 52	3 26	23 15	1 2	18 43	0 53	15 37	0 23	18 13	0 45	16 43	1 10	23 45	0 20	19 10	1 34	9 57	10 49	18 39	18 15	1 47	14 38	2 6
S 30	22s43	25s47	2s28	23s33	1s 7	19s 2	0n51	15s50	0n23	18s16	0n45	16n44	1n10	23s45	0s20	19s11	1n34	9n57	10s49	18s40	18s16	1n50	14n37	2s 6

Julian Day Number = 2142130.5, Delta T = 15m11s
Ecliptic obliquity = 23°33'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'44, Lahiri = 12°02'44 Julian Calendar 1 Nov. 1152 == Greg. Calendar 8 Nov. 1152

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ASTRODIENST EPHEMERIS for the year 1152
geocentric

DECEMBER 1152 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 5 55	16♐ 4'34	20♑59	14♐23	29♏30	14♏56	24♏48	17°R38	5♑59	2♐18	1°R24	6°R41	8♒16	25♓59	15°R42	M 1
T 2	5 9 52	17° 5'45	3♒41	15°58	0♐46	15°37	25° 1	17♌37	6° 3	2°20	1♊23	6°D40	8°13	26° 6	15♉40	T 2
W 3	5 13 48	18° 6'56	16° 3	17°33	2° 1	16°19	25°14	17°35	6° 6	2°22	1°22	6♒40	8°10	26°13	15°37	W 3
T 4	5 17 45	19° 8'07	28°10	19° 8	3°16	17° 0	25°27	17°34	6° 9	2°24	1°20	6°41	8° 7	26°19	15°35	T 4
F 5	5 21 42	20° 9'18	10♓ 7	20°44	4°32	17°42	25°40	17°33	6°13	2°26	1°19	6°43	8° 3	26°26	15°32	F 5
S 6	5 25 38	21°10'29	21°58	22°19	5°47	18°23	25°53	17°31	6°16	2°29	1°18	6°R43	8° 0	26°33	15°30	S 6
S 7	5 29 35	22°11'40	3♈48	23°55	7° 3	19° 5	26° 5	17°30	6°20	2°31	1°17	6°42	7°57	26°39	15°27	S 7
M 8	5 33 31	23°12'51	15°43	25°31	8°18	19°46	26°18	17°28	6°23	2°33	1°16	6°39	7°54	26°46	15°25	M 8
T 9	5 37 28	24°14'02	27°48	27° 8	9°33	20°28	26°31	17°26	6°27	2°35	1°15	6°35	7°51	26°53	15°22	T 9
W10	5 41 24	25°15'12	10♉ 5	28°45	10°49	21°10	26°43	17°24	6°30	2°37	1°14	6°29	7°48	26°59	15°20	W10
T 11	5 45 21	26°16'23	22°39	0♑22	12° 4	21°52	26°56	17°22	6°34	2°39	1°13	6°21	7°44	27° 6	15°18	T 11
F 12	5 49 17	27°17'34	5♊31	1°59	13°19	22°33	27° 8	17°20	6°37	2°41	1°12	6°14	7°41	27°13	15°16	F 12
S 13	5 53 14	28°18'45	18°40	3°37	14°35	23°15	27°21	17°17	6°41	2°44	1°11	6° 7	7°38	27°20	15°13	S 13
S 14	5 57 11	29°19'56	2♋ 6	5°15	15°50	23°57	27°33	17°15	6°45	2°46	1°10	6° 2	7°35	27°26	15°11	S 14
M15	6 1 7	0♑21'07	15°47	6°53	17° 6	24°39	27°46	17°13	6°48	2°48	1° 9	5°58	7°32	27°33	15° 9	M15
T 16	6 5 4	1°22'17	29°39	8°31	18°21	25°21	27°58	17°10	6°52	2°50	1° 8	5°D57	7°29	27°40	15° 7	T 16
W17	6 9 0	2°23'28	13♌40	10°10	19°36	26° 3	28°10	17° 7	6°55	2°52	1° 7	5°57	7°25	27°46	15° 5	W17
T 18	6 12 57	3°24'39	27°47	11°49	20°52	26°44	28°22	17° 5	6°59	2°54	1° 6	5°58	7°22	27°53	15° 4	T 18
F 19	6 16 53	4°25'49	11♍56	13°28	22° 7	27°26	28°35	17° 2	7° 2	2°56	1° 5	6° 0	7°19	28° 0	15° 2	F 19
S 20	6 20 50	5°27'00	26° 6	15° 8	23°23	28° 8	28°47	16°59	7° 6	2°58	1° 4	6° 1	7°16	28° 6	15° 0	S 20
S 21	6 24 47	6°28'11	10♎16	16°47	24°38	28°51	28°59	16°56	7° 9	3° 0	1° 3	6°R 1	7°13	28°13	14°58	S 21
M22	6 28 43	7°29'22	24°22	18°26	25°53	29°33	29°11	16°53	7°13	3° 2	1° 2	6° 0	7° 9	28°20	14°57	M22
T 23	6 32 40	8°30'33	8♏25	20° 6	27° 9	0♐15	29°23	16°50	7°17	3° 4	1° 1	5°58	7° 6	28°26	14°55	T 23
W24	6 36 36	9°31'43	22°20	21°45	28°24	0°57	29°34	16°46	7°20	3° 6	1° 1	5°54	7° 3	28°33	14°53	W24
T 25	6 40 33	10°32'54	6♐ 7	23°24	29°40	1°39	29°46	16°43	7°24	3° 7	1° 0	5°50	7° 0	28°40	14°52	T 25
F 26	6 44 29	11°34'04	19°42	25° 2	0♑55	2°21	29°58	16°39	7°27	3° 9	0°59	5°46	6°57	28°47	14°51	F 26
S 27	6 48 26	12°35'14	3♑ 3	26°40	2°10	3° 4	0♐ 9	16°36	7°31	3°11	0°58	5°43	6°54	28°53	14°49	S 27
S 28	6 52 22	13°36'24	16° 9	28°17	3°26	3°46	0°21	16°32	7°34	3°13	0°57	5°40	6°50	29° 0	14°48	S 28
M29	6 56 19	14°37'33	28°58	29°53	4°41	4°28	0°32	16°29	7°38	3°15	0°56	5°39	6°47	29° 7	14°47	M29
T 30	7 0 16	15°38'41	11♒32	1♒27	5°57	5°10	0°44	16°25	7°42	3°17	0°56	5°D39	6°44	29°13	14°46	T 30
W31	7 4 12	16♑39'48	23♒50	3♒ 0	7♑12	5♐53	0♐55	16♌21	7♑45	3♐18	0♊55	5♒40	6♒41	29♓20	14♉44	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s49	23s17	1s23	23s50	1s13	19s20	0n49	16s 2	0n22	18s19	0n45	16n44	1n10	23s45	0s20	19s11	1n34	9n56	10s49	18s41	18s17	1n54	14n36	2s 6
T 2	22 55	19 41	0 16	24 6	1 18	19 39	0 47	16 15	0 21	18 23	0 45	16 45	1 10	23 45	0 20	19 12	1 34	9 56	10 49	18 42	18 18	1 57	14 35	2 6
W 3	23 1	15 18	0n51	24 21	1 23	19 56	0 44	16 28	0 21	18 26	0 45	16 45	1 11	23 45	0 20	19 12	1 34	9 56	10 48	18 42	18 19	2 0	14 34	2 7
T 4	23 6	10 23	1 54	24 34	1 28	20 13	0 42	16 40	0 20	18 29	0 45	16 46	1 11	23 45	0 20	19 12	1 34	9 56	10 48	18 41	18 19	2 3	14 34	2 7
F 5	23 11	5 11	2 51	24 46	1 33	20 30	0 40	16 52	0 20	18 32	0 45	16 46	1 11	23 44	0 20	19 13	1 34	9 56	10 48	18 41	18 20	2 6	14 33	2 7
S 6	23 15	0n10	3 40	24 56	1 37	20 45	0 37	17 5	0 19	18 35	0 45	16 47	1 11	23 44	0 20	19 13	1 34	9 56	10 48	18 41	18 21	2 10	14 32	2 7
S 7	23 19	5 29	4 20	25 6	1 41	21 1	0 35	17 17	0 18	18 38	0 45	16 48	1 11	23 44	0 20	19 14	1 34	9 56	10 48	18 41	18 22	2 13	14 32	2 7
M 8	23 23	10 39	4 49	25 14	1 45	21 15	0 33	17 29	0 18	18 41	0 45	16 49	1 12	23 44	0 20	19 14	1 34	9 56	10 48	18 42	18 23	2 16	14 31	2 7
T 9	23 25	15 29	5 6	25 20	1 49	21 29	0 30	17 40	0 17	18 44	0 45	16 49	1 12	23 44	0 20	19 15	1 34	9 56	10 48	18 43	18 24	2 19	14 30	2 7
W10	23 28	19 47	5 9	25 25	1 52	21 43	0 28	17 52	0 17	18 47	0 45	16 50	1 12	23 44	0 20	19 15	1 34	9 56	10 48	18 44	18 24	2 22	14 30	2 7
T 11	23 30	23 18	4 57	25 28	1 55	21 55	0 26	18 3	0 16	18 50	0 45	16 51	1 12	23 43	0 20	19 15	1 34	9 56	10 47	18 46	18 25	2 26	14 29	2 7
F 12	23 31	25 45	4 30	25 30	1 58	22 7	0 23	18 15	0 15	18 53	0 45	16 52	1 12	23 43	0 20	19 16	1 34	9 56	10 47	18 48	18 26	2 29	14 28	2 7
S 13	23 32	26 52	3 49	25 31	2 0	22 19	0 21	18 26	0 15	18 56	0 45	16 53	1 13	23 43	0 20	19 16	1 34	9 55	10 47	18 50	18 27	2 32	14 28	2 7
S 14	23 33	26 26	2 54	25 29	2 3	22 30	0 18	18 37	0 14	18 58	0 45	16 54	1 13	23 43	0 20	19 16	1 34	9 55	10 47	18 51	18 28	2 35	14 27	2 7
M15	23 33	24 24	1 48	25 26	2 4	22 40	0 16	18 48	0 13	19 1	0 45	16 54	1 13	23 43	0 20	19 17	1 34	9 55	10 47	18 52	18 28	2 38	14 26	2 7
T 16	23 33	20 53	0 34	25 22	2 6	22 49	0 13	18 59	0 13	19 4	0 45	16 55	1 13	23 43	0 20	19 17	1 34	9 55	10 47	18 52	18 29	2 42	14 26	2 7
W17	23 32	16 8	0s42	25 16	2 7	22 58	0 11	19 9	0 12	19 7	0 45	16 56	1 13	23 42	0 20	19 18	1 34	9 55	10 47	18 52	18 30	2 45	14 25	2 7
T 18	23 30	10 29	1 57	25 8	2 7	23 6	0 8	19 20	0 12	19 9	0 45	16 57	1 14	23 42	0 20	19 18	1 34	9 55	10 46	18 52	18 31	2 48	14 25	2 7
F 19	23 29	4 17	3 4	24 59	2 7	23 13	0 6	19 30	0 11	19 12	0 45	16 59	1 14	23 42	0 20	19 18	1 34	9 55	10 46	18 52	18 32	2 51	14 24	2 6
S 20	23 26	2s 7	4 1	24 47	2 7	23 20	0 3	19 40	0 10	19 15	0 45	17 0	1 14	23 42	0 20	19 19	1 34	9 55	10 46	18 51	18 32	2 54	14 24	2 6
S 21	23 24	8 24	4 42	24 35	2 6	23 26	0 1	19 50	0 10	19 17	0 45	17 1	1 14	23 42	0 20	19 19	1 34	9 55	10 46	18 51	18 33	2 57	14 23	2 6
M22	23 20	14 14	5 7	24 20	2 5	23 31	0s 2	20 0	0 9	19 20	0 45	17 2	1 14	23 41	0 20	19 19	1 34	9 55	10 46	18 52	18 34	3 1	14 23	2 6
T 23	23 17	19 18	5 13	24 4	2 3	23 35	0 4	20 10	0 8	19 23	0 45	17 3	1 15	23 41	0 20	19 20	1 34	9 55	10 45	18 52	18 35	3 4	14 22	2 6
W24	23 12	23 16	5 1	23 46	2 0	23 39	0 6	20 19	0 8	19 25	0 45	17 4	1 15	23 41	0 20	19 20	1 34	9 55	10 45	18 53	18 36	3 7	14 22	2 6
T 25	23 8	25 52	4 31	23 26	1 57	23 42	0 9	20 29	0 7	19 28	0 45	17 5	1 15	23 41	0 20	19 20	1 34	9 55	10 45	18 54	18 37	3 10	14 22	2 6
F 26	23 3	26 54	3 46	23 5	1 53	23 44	0 11	20 38	0 6	19 30	0 45	17 7	1 15	23 41	0 20	19 21	1 34	9 55	10 45	18 55	18 37	3 13	14 21	2 6
S 27	22 57	26 21	2 50	22 42	1 49	23 46	0 14	20 47	0 5	19 33	0 45	17 8	1 15	23 41	0 20	19 21	1 34	9 55	10 45	18 56	18 38	3 17	14 21	2 6
S 28	22 51	24 19	1 45	22 18	1 44	23 46	0 16	20 55	0 5	19 35	0 45	17 9	1 15	23 40	0 20	19 21	1 34	9 55	10 45	18 56	18 39	3 20	14 20	2 6
M29	22 45	21 4	0 37	21 52	1 38	23 47	0 19	21 4	0 4	19 37	0 45	17 10	1 16	23 40	0 20	19 22	1 34	9 55	10 44	18 57	18 40	3 23	14 20	2 6
T 30	22 38	16 53	0n32	21 24	1 31	23 46	0 21	21 12	0 3	19 40	0 45	17 12	1 16	23 40	0 20	19 22	1 34	9 55	10 44	18 57	18 41	3 26	14 20	2 6
W31	22s30	12s 5	1n39	20s56	1s23	23s44	0s23	21s21	0n 3	19s42	0n45	17n13	1n16	23s40	0s20	19s22	1n34	9n56	10s44	18s57	18s41	3n29	14n20	2s 6

Julian Day Number = 2142160.5, Delta T = 15m11s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'48, Lahiri = 12°02'48 Julian Calendar 1 Dec. 1152 == Greg. Calendar 8 Dec. 1152

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

JANUARY 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 9	17♑40'54	5♓56	4♒30	8♑27	6♐35	1♐ 6	16°R17	7♑49	3♐20	0°R54	5♒41	6♒38	29♓27	14°R43	T 1
F 2	7 12 5	18°42'00	17°53	5°58	9°43	7°18	1°17	16♌13	7°52	3°22	0♊53	5°43	6°35	29°33	14♉42	F 2
S 3	7 16 2	19°43'04	29°44	7°22	10°58	8° 0	1°28	16° 9	7°56	3°24	0°53	5°44	6°31	29°40	14°42	S 3
S 4	7 19 58	20°44'07	11♈35	8°43	12°13	8°43	1°39	16° 5	7°59	3°25	0°52	5°45	6°28	29°47	14°41	S 4
M 5	7 23 55	21°45'10	23°30	9°59	13°29	9°25	1°50	16° 1	8° 3	3°27	0°51	5°R46	6°25	29°54	14°40	M 5
T 6	7 27 51	22°46'11	5♉33	11°11	14°44	10° 8	2° 1	15°57	8° 6	3°29	0°51	5°45	6°22	0♈ 0	14°39	T 6
W 7	7 31 48	23°47'11	17°50	12°16	15°59	10°50	2°12	15°52	8°10	3°30	0°50	5°44	6°19	0° 7	14°39	W 7
T 8	7 35 45	24°48'10	0♊25	13°15	17°15	11°33	2°22	15°48	8°13	3°32	0°49	5°43	6°15	0°14	14°38	T 8
F 9	7 39 41	25°49'07	13°20	14° 6	18°30	12°15	2°33	15°44	8°17	3°33	0°49	5°41	6°12	0°20	14°38	F 9
S 10	7 43 38	26°50'04	26°37	14°48	19°45	12°58	2°43	15°39	8°20	3°35	0°48	5°40	6° 9	0°27	14°37	S 10
S 11	7 47 34	27°50'59	10♋17	15°22	21° 0	13°41	2°54	15°35	8°23	3°37	0°48	5°39	6° 6	0°34	14°37	S 11
M12	7 51 31	28°51'54	24°18	15°45	22°16	14°23	3° 4	15°30	8°27	3°38	0°47	5°39	6° 3	0°40	14°36	M12
T 13	7 55 27	29°52'47	8♌36	15°59	23°31	15° 6	3°14	15°26	8°30	3°40	0°46	5°D39	6° 0	0°47	14°36	T 13
W14	7 59 24	0♒53'38	23° 6	16°R 1	24°46	15°49	3°24	15°21	8°34	3°41	0°46	5°39	5°56	0°54	14°36	W14
T 15	8 3 20	1°54'29	7♍42	15°52	26° 1	16°32	3°34	15°16	8°37	3°42	0°45	5°39	5°53	1° 1	14°36	T 15
F 16	8 7 17	2°55'19	22°18	15°32	27°17	17°15	3°44	15°12	8°40	3°44	0°45	5°39	5°50	1° 7	14°D36	F 16
S 17	8 11 14	3°56'07	6♎48	15° 1	28°32	17°57	3°53	15° 7	8°44	3°45	0°45	5°40	5°47	1°14	14°36	S 17
S 18	8 15 10	4°56'55	21° 9	14°20	29°47	18°40	4° 3	15° 2	8°47	3°46	0°44	5°40	5°44	1°21	14°36	S 18
M19	8 19 7	5°57'42	5♏17	13°31	1♒ 2	19°23	4°12	14°58	8°50	3°48	0°44	5°40	5°41	1°27	14°36	M19
T 20	8 23 3	6°58'28	19°11	12°33	2°18	20° 6	4°22	14°53	8°53	3°49	0°43	5°40	5°37	1°34	14°36	T 20
W21	8 27 0	7°59'13	2♐50	11°30	3°33	20°49	4°31	14°48	8°57	3°50	0°43	5°40	5°34	1°41	14°37	W21
T 22	8 30 56	8°59'56	16°14	10°22	4°48	21°32	4°40	14°43	9° 0	3°51	0°43	5°40	5°31	1°47	14°37	T 22
F 23	8 34 53	10° 0'39	29°23	9°12	6° 3	22°15	4°49	14°38	9° 3	3°53	0°42	5°41	5°28	1°54	14°37	F 23
S 24	8 38 50	11° 1'20	12♑19	8° 2	7°18	22°58	4°58	14°34	9° 6	3°54	0°42	5°41	5°25	2° 1	14°38	S 24
S 25	8 42 46	12° 2'00	25° 1	6°53	8°34	23°41	5° 7	14°29	9° 9	3°55	0°42	5°41	5°21	2° 8	14°39	S 25
M26	8 46 43	13° 2'39	7♒32	5°47	9°49	24°25	5°15	14°24	9°13	3°56	0°41	5°R42	5°18	2°14	14°39	M26
T 27	8 50 39	14° 3'16	19°52	4°46	11° 4	25° 8	5°24	14°19	9°16	3°57	0°41	5°41	5°15	2°21	14°40	T 27
W28	8 54 36	15° 3'51	2♓ 1	3°50	12°19	25°51	5°32	14°14	9°19	3°58	0°41	5°41	5°12	2°28	14°41	W28
T 29	8 58 32	16° 4'24	14° 3	3° 1	13°34	26°34	5°41	14° 9	9°22	3°59	0°41	5°39	5° 9	2°34	14°42	T 29
F 30	9 2 29	17° 4'56	25°57	2°19	14°49	27°17	5°49	14° 4	9°25	4° 0	0°41	5°38	5° 6	2°41	14°42	F 30
S 31	9 6 25	18♒ 5'26	7♈48	1♒44	16♒ 4	28♐ 1	5♐57	14♌ 0	9♑28	4♐ 1	0♊40	5♒36	5♒ 2	2♈48	14♉43	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s23	6s54	2n40	20s26	1s15	23s42	0s26	21s29	0n 2	19s44	0n45	17n14	1n16	23s40	0s20	19s23	1n34	9n56	10s44	18s56	18s42	3n32	14n19	2s	6
F 2	22 14	1 33	3 33	19 56	1 6	23 39	0 28	21 37	0 1	19 47	0 45	17 16	1 16	23 39	0 20	19 23	1 34	9 56	10 43	18 56	18 43	3 36	14 19	2	6
S 3	22 6	3n49	4 16	19 25	0 56	23 36	0 30	21 44	0 1	19 49	0 45	17 17	1 16	23 39	0 20	19 23	1 34	9 56	10 43	18 55	18 44	3 39	14 19	2	6
S 4	21 57	9 2	4 49	18 53	0 45	23 31	0 32	21 52	0s 0	19 51	0 45	17 18	1 17	23 39	0 20	19 24	1 34	9 56	10 43	18 55	18 45	3 42	14 19	2	6
M 5	21 47	13 57	5 9	18 21	0 33	23 26	0 35	21 59	0 1	19 53	0 45	17 20	1 17	23 39	0 20	19 24	1 34	9 56	10 43	18 55	18 45	3 45	14 18	2	6
T 6	21 37	18 24	5 17	17 49	0 20	23 20	0 37	22 6	0 2	19 55	0 45	17 21	1 17	23 39	0 20	19 24	1 34	9 56	10 43	18 55	18 46	3 48	14 18	2	6
W 7	21 27	22 10	5 10	17 17	0 6	23 14	0 39	22 13	0 2	19 58	0 45	17 23	1 17	23 38	0 20	19 24	1 34	9 56	10 42	18 55	18 47	3 51	14 18	2	6
T 8	21 16	25 1	4 48	16 47	0n 9	23 7	0 41	22 19	0 3	20 0	0 45	17 24	1 17	23 38	0 21	19 25	1 35	9 56	10 42	18 56	18 48	3 54	14 18	2	6
F 9	21 5	26 39	4 11	16 17	0 24	22 59	0 43	22 26	0 4	20 2	0 45	17 26	1 17	23 38	0 21	19 25	1 35	9 56	10 42	18 56	18 49	3 58	14 18	2	6
S 10	20 53	26 50	3 20	15 49	0 41	22 50	0 45	22 32	0 5	20 4	0 45	17 27	1 18	23 38	0 21	19 25	1 35	9 56	10 42	18 56	18 49	4 1	14 18	2	6
S 11	20 41	25 25	2 16	15 23	0 57	22 41	0 47	22 38	0 5	20 6	0 45	17 29	1 18	23 38	0 21	19 25	1 35	9 56	10 41	18 57	18 50	4 4	14 18	2	6
M12	20 29	22 23	1 3	15 0	1 15	22 31	0 49	22 44	0 6	20 8	0 45	17 30	1 18	23 37	0 21	19 26	1 35	9 57	10 41	18 57	18 51	4 7	14 18	2	6
T 13	20 16	17 56	0s16	14 39	1 32	22 20	0 51	22 50	0 7	20 10	0 45	17 32	1 18	23 37	0 21	19 26	1 35	9 57	10 41	18 57	18 52	4 10	14 18	2	6
W14	20 3	12 23	1 35	14 22	1 50	22 8	0 53	22 55	0 8	20 11	0 45	17 33	1 18	23 37	0 21	19 26	1 35	9 57	10 41	18 57	18 52	4 13	14 18	2	6
T 15	19 50	6 7	2 49	14 8	2 7	21 56	0 55	23 0	0 9	20 13	0 45	17 35	1 18	23 37	0 21	19 26	1 35	9 57	10 41	18 57	18 53	4 17	14 18	2	6
F 16	19 36	0s28	3 51	13 58	2 24	21 43	0 57	23 5	0 9	20 15	0 45	17 36	1 18	23 37	0 21	19 27	1 35	9 57	10 40	18 57	18 54	4 20	14 18	2	6
S 17	19 22	6 58	4 38	13 51	2 40	21 30	0 58	23 10	0 10	20 17	0 45	17 38	1 19	23 36	0 21	19 27	1 35	9 57	10 40	18 57	18 55	4 23	14 18	2	5
S 18	19 7	13 2	5 7	13 49	2 55	21 16	1 0	23 15	0 11	20 19	0 45	17 39	1 19	23 36	0 21	19 27	1 35	9 57	10 40	18 57	18 56	4 26	14 18	2	5
M19	18 52	18 19	5 17	13 50	3 8	21 1	1 2	23 19	0 12	20 20	0 45	17 41	1 19	23 36	0 21	19 27	1 35	9 58	10 40	18 57	18 56	4 29	14 18	2	5
T 20	18 37	22 33	5 9	13 55	3 20	20 46	1 3	23 23	0 13	20 22	0 45	17 42	1 19	23 36	0 21	19 27	1 35	9 58	10 39	18 57	18 57	4 32	14 18	2	5
W21	18 21	25 26	4 43	14 4	3 29	20 30	1 5	23 27	0 13	20 24	0 46	17 44	1 19	23 35	0 21	19 28	1 35	9 58	10 39	18 57	18 58	4 35	14 18	2	5
T 22	18 5	26 50	4 1	14 15	3 37	20 14	1 6	23 31	0 14	20 25	0 46	17 45	1 19	23 35	0 21	19 28	1 35	9 58	10 39	18 56	18 59	4 38	14 18	2	5
F 23	17 49	26 41	3 8	14 28	3 42	19 57	1 8	23 34	0 15	20 27	0 46	17 47	1 19	23 35	0 21	19 28	1 35	9 58	10 39	18 56	19 0	4 42	14 18	2	5
S 24	17 33	25 4	2 6	14 44	3 44	19 39	1 9	23 38	0 16	20 29	0 46	17 48	1 19	23 35	0 21	19 28	1 35	9 59	10 38	18 56	19 0	4 45	14 19	2	5
S 25	17 16	22 11	0 59	15 1	3 44	19 21	1 11	23 41	0 17	20 30	0 46	17 50	1 19	23 35	0 21	19 28	1 35	9 59	10 38	18 56	19 1	4 48	14 19	2	5
M26	16 59	18 18	0n10	15 19	3 42	19 2	1 12	23 43	0 17	20 32	0 46	17 51	1 20	23 34	0 21	19 28	1 35	9 59	10 38	18 56	19 2	4 51	14 19	2	5
T 27	16 41	13 42	1 18	15 38	3 38	18 42	1 13	23 46	0 18	20 33	0 46	17 53	1 20	23 34	0 21	19 29	1 35	9 59	10 37	18 56	19 3	4 54	14 19	2	5
W28	16 24	8 37	2 21	15 57	3 32	18 22	1 14	23 48	0 19	20 35	0 46	17 54	1 20	23 34	0 21	19 29	1 35	9 59	10 37	18 56	19 3	4 57	14 20	2	5
T 29	16 6	3 17	3 17	16 15	3 24	18 2	1 16	23 50	0 20	20 36	0 46	17 56	1 20	23 34	0 21	19 29	1 35	10 0	10 37	18 57	19 4	5 0	14 20	2	5
F 30	15 47	2n 7	4 4	16 34	3 15	17 41	1 17	23 52	0 21	20 37	0 46	17 57	1 20	23 34	0 21	19 29	1 35	10 0	10 37	18 57	19 5	5 3	14 20	2	5
S 31	15s29	7n23	4n40	16s51	3n 5	17s20	1s18	23s54	0s22	20s39	0n46	17n59	1n20	23s33	0s21	19s29	1n35	10n 0	10s36	18s58	19s 6	5n 7	14n21	2s	5

Julian Day Number = 2142191.5, Delta T = 15m10s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'52, Lahiri = 12°02'53 Julian Calendar 1 Jan. 1153 == Greg. Calendar 8 Jan. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

FEBRUARY 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 22	19♒ 5'55	19♈39	1°R17	17♒19	28♐44	6♐ 5	13°R55	9♑31	4♐ 2	0°R40	5°R34	4♒59	2♈54	14♉44	S 1
M 2	9 14 18	20° 6'21	1♉33	0♒58	18°34	29°27	6°12	13♌50	9°34	4° 3	0♊40	5♒32	4°56	3° 1	14°46	M 2
T 3	9 18 15	21° 6'46	13°34	0°46	19°49	0♑10	6°20	13°45	9°36	4° 4	0°40	5°32	4°53	3° 8	14°47	T 3
W 4	9 22 12	22° 7'08	25°48	0°D41	21° 5	0°54	6°27	13°40	9°39	4° 4	0°40	5°D31	4°50	3°15	14°48	W 4
T 5	9 26 8	23° 7'29	8♊17	0°43	22°20	1°37	6°35	13°36	9°42	4° 5	0°40	5°32	4°47	3°21	14°49	T 5
F 6	9 30 5	24° 7'47	21° 8	0°51	23°35	2°21	6°42	13°31	9°45	4° 6	0°D40	5°33	4°43	3°28	14°51	F 6
S 7	9 34 1	25° 8'04	4♋23	1° 6	24°50	3° 4	6°49	13°26	9°48	4° 7	0°40	5°35	4°40	3°35	14°52	S 7
S 8	9 37 58	26° 8'18	18° 4	1°26	26° 5	3°47	6°56	13°21	9°51	4° 7	0°40	5°36	4°37	3°41	14°53	S 8
M 9	9 41 54	27° 8'31	2♌11	1°51	27°19	4°31	7° 3	13°17	9°53	4° 8	0°40	5°R37	4°34	3°48	14°55	M 9
T 10	9 45 51	28° 8'41	16°43	2°21	28°34	5°14	7° 9	13°12	9°56	4° 9	0°40	5°36	4°31	3°55	14°57	T 10
W11	9 49 47	29° 8'50	1♍33	2°56	29°49	5°58	7°16	13° 8	9°59	4° 9	0°40	5°35	4°27	4° 1	14°58	W11
T 12	9 53 44	0♓ 8'57	16°34	3°36	1♓ 4	6°41	7°22	13° 3	10° 1	4°10	0°40	5°32	4°24	4° 8	15° 0	T 12
F 13	9 57 41	1° 9'01	1♎38	4°19	2°19	7°25	7°28	12°58	10° 4	4°10	0°40	5°29	4°21	4°15	15° 2	F 13
S 14	10 1 37	2° 9'04	16°34	5° 6	3°34	8° 9	7°34	12°54	10° 6	4°11	0°41	5°25	4°18	4°22	15° 4	S 14
S 15	10 5 34	3° 9'06	1♏16	5°56	4°49	8°52	7°40	12°50	10° 9	4°11	0°41	5°22	4°15	4°28	15° 6	S 15
M16	10 9 30	4° 9'06	15°38	6°50	6° 4	9°36	7°46	12°45	10°11	4°12	0°41	5°19	4°12	4°35	15° 8	M16
T 17	10 13 27	5° 9'04	29°36	7°47	7°19	10°19	7°51	12°41	10°14	4°12	0°41	5°D18	4° 8	4°42	15°10	T 17
W18	10 17 23	6° 9'00	13♐12	8°46	8°33	11° 3	7°57	12°37	10°16	4°12	0°41	5°18	4° 5	4°48	15°12	W18
T 19	10 21 20	7° 8'55	26°25	9°48	9°48	11°47	8° 2	12°32	10°18	4°13	0°42	5°19	4° 2	4°55	15°14	T 19
F 20	10 25 16	8° 8'49	9♑20	10°53	11° 3	12°31	8° 7	12°28	10°21	4°13	0°42	5°21	3°59	5° 2	15°16	F 20
S 21	10 29 13	9° 8'40	21°58	11°59	12°18	13°14	8°12	12°24	10°23	4°13	0°42	5°22	3°56	5° 8	15°18	S 21
S 22	10 33 10	10° 8'30	4♒22	13° 8	13°32	13°58	8°16	12°20	10°25	4°13	0°43	5°R23	3°52	5°15	15°21	S 22
M23	10 37 6	11° 8'18	16°36	14°20	14°47	14°42	8°21	12°16	10°27	4°13	0°43	5°22	3°49	5°22	15°23	M23
T 24	10 41 3	12° 8'04	28°42	15°33	16° 2	15°26	8°25	12°12	10°29	4°14	0°43	5°20	3°46	5°29	15°25	T 24
W25	10 44 59	13° 7'47	10♓42	16°48	17°17	16° 9	8°30	12° 9	10°32	4°14	0°44	5°16	3°43	5°35	15°28	W25
T 26	10 48 56	14° 7'29	22°37	18° 5	18°31	16°53	8°34	12° 5	10°34	4°14	0°44	5° 9	3°40	5°42	15°30	T 26
F 27	10 52 52	15° 7'09	4♈29	19°23	19°46	17°37	8°38	12° 1	10°36	4°14	0°45	5° 2	3°37	5°49	15°33	F 27
S 28	10 56 49	16♓ 6'46	16♈20	20♒43	21♓ 1	18♑21	8♐41	11♌58	10♑38	4°R14	0♊45	4♒54	3♒33	5♈55	15♉36	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s10	12n24	5n 4	17s 8	2n54	16s58	1s19	23s55	0s22	20s40	0n46	18n 0	1n20	23s33	0s21	19s29	1n36	10n 0	10s36	18s58	19s 6	5n10	14n21	2s 5
M 2	14 51	16 59	5 15	17 24	2 43	16 35	1 20	23 56	0 23	20 41	0 46	18 2	1 20	23 33	0 21	19 29	1 36	10 1	10 36	18 58	19 7	5 13	14 21	2 5
T 3	14 32	20 57	5 13	17 38	2 30	16 13	1 20	23 57	0 24	20 43	0 46	18 3	1 20	23 33	0 21	19 30	1 36	10 1	10 36	18 59	19 8	5 16	14 22	2 5
W 4	14 12	24 5	4 57	17 51	2 18	15 49	1 21	23 58	0 25	20 44	0 46	18 5	1 20	23 33	0 21	19 30	1 36	10 1	10 35	18 59	19 9	5 19	14 22	2 5
T 5	13 52	26 10	4 26	18 4	2 5	15 26	1 22	23 58	0 26	20 45	0 46	18 6	1 20	23 33	0 21	19 30	1 36	10 1	10 35	18 58	19 10	5 22	14 22	2 5
F 6	13 32	26 56	3 41	18 14	1 52	15 1	1 23	23 59	0 27	20 46	0 46	18 8	1 20	23 32	0 21	19 30	1 36	10 2	10 35	18 58	19 10	5 25	14 23	2 5
S 7	13 12	26 12	2 44	18 24	1 39	14 37	1 23	23 59	0 28	20 47	0 46	18 9	1 20	23 32	0 21	19 30	1 36	10 2	10 35	18 58	19 11	5 28	14 23	2 4
S 8	12 52	23 54	1 35	18 32	1 26	14 12	1 24	23 58	0 29	20 49	0 46	18 10	1 21	23 32	0 21	19 30	1 36	10 2	10 34	18 58	19 12	5 31	14 24	2 4
M 9	12 31	20 4	0 19	18 39	1 13	13 47	1 24	23 58	0 30	20 50	0 46	18 12	1 21	23 32	0 21	19 30	1 36	10 2	10 34	18 57	19 13	5 34	14 24	2 4
T 10	12 10	14 56	1s 1	18 44	1 1	13 21	1 25	23 57	0 30	20 51	0 46	18 13	1 21	23 32	0 21	19 30	1 36	10 3	10 34	18 57	19 13	5 38	14 25	2 4
W11	11 49	8 50	2 18	18 48	0 49	12 55	1 25	23 56	0 31	20 52	0 46	18 15	1 21	23 31	0 21	19 30	1 36	10 3	10 33	18 58	19 14	5 41	14 25	2 4
T 12	11 28	2 9	3 26	18 51	0 37	12 28	1 25	23 55	0 32	20 53	0 46	18 16	1 21	23 31	0 21	19 30	1 36	10 3	10 33	18 58	19 15	5 44	14 26	2 4
F 13	11 7	4s38	4 21	18 52	0 25	12 2	1 26	23 54	0 33	20 54	0 46	18 17	1 21	23 31	0 21	19 30	1 36	10 3	10 33	18 59	19 16	5 47	14 26	2 4
S 14	10 45	11 6	4 57	18 51	0 14	11 35	1 26	23 52	0 34	20 55	0 46	18 19	1 21	23 31	0 21	19 30	1 36	10 4	10 33	19 0	19 16	5 50	14 27	2 4
S 15	10 24	16 51	5 13	18 50	0 3	11 7	1 26	23 50	0 35	20 56	0 47	18 20	1 21	23 31	0 21	19 30	1 36	10 4	10 32	19 1	19 17	5 53	14 28	2 4
M16	10 2	21 30	5 8	18 47	0s 8	10 40	1 26	23 48	0 36	20 56	0 47	18 21	1 21	23 31	0 21	19 30	1 36	10 4	10 32	19 2	19 18	5 56	14 28	2 4
T 17	9 40	24 49	4 46	18 42	0 18	10 12	1 26	23 46	0 37	20 57	0 47	18 22	1 21	23 30	0 21	19 30	1 36	10 5	10 32	19 2	19 19	5 59	14 29	2 4
W18	9 18	26 35	4 8	18 36	0 28	9 44	1 26	23 43	0 38	20 58	0 47	18 24	1 21	23 30	0 21	19 30	1 36	10 5	10 32	19 2	19 19	6 2	14 30	2 4
T 19	8 56	26 47	3 17	18 29	0 37	9 15	1 26	23 40	0 39	20 59	0 47	18 25	1 21	23 30	0 21	19 30	1 36	10 5	10 31	19 2	19 20	6 5	14 30	2 4
F 20	8 33	25 31	2 18	18 20	0 47	8 46	1 26	23 37	0 40	21 0	0 47	18 26	1 21	23 30	0 21	19 30	1 36	10 6	10 31	19 1	19 21	6 8	14 31	2 4
S 21	8 11	22 57	1 13	18 10	0 55	8 17	1 25	23 34	0 41	21 0	0 47	18 27	1 21	23 30	0 21	19 30	1 36	10 6	10 31	19 1	19 22	6 11	14 32	2 4
S 22	7 48	19 21	0 6	17 58	1 3	7 48	1 25	23 30	0 41	21 1	0 47	18 28	1 21	23 30	0 21	19 30	1 37	10 6	10 31	19 1	19 22	6 14	14 32	2 4
M23	7 25	14 58	1n 1	17 45	1 11	7 19	1 25	23 26	0 42	21 2	0 47	18 30	1 21	23 29	0 21	19 30	1 37	10 7	10 30	19 1	19 23	6 17	14 33	2 4
T 24	7 2	10 3	2 4	17 30	1 19	6 49	1 24	23 22	0 43	21 2	0 47	18 31	1 21	23 29	0 21	19 30	1 37	10 7	10 30	19 1	19 24	6 21	14 34	2 4
W25	6 40	4 49	3 0	17 14	1 26	6 20	1 24	23 18	0 44	21 3	0 47	18 32	1 21	23 29	0 21	19 30	1 37	10 7	10 30	19 3	19 25	6 24	14 34	2 4
T 26	6 16	0n33	3 48	16 57	1 33	5 50	1 23	23 14	0 45	21 4	0 47	18 33	1 21	23 29	0 21	19 30	1 37	10 8	10 30	19 4	19 25	6 27	14 35	2 4
F 27	5 53	5 52	4 26	16 38	1 39	5 20	1 22	23 9	0 46	21 4	0 47	18 34	1 21	23 29	0 21	19 30	1 37	10 8	10 29	19 6	19 26	6 30	14 36	2 4
S 28	5s30	10n57	4n53	16s18	1s45	4s50	1s22	23s 4	0s47	21s 5	0n47	18n35	1n21	23s29	0s21	19s30	1n37	10n 8	10s29	19s 8	19s27	6n33	14n37	2s 4

Julian Day Number = 2142222.5, Delta T = 15m10s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°55'56, Lahiri = 12°02'57 Julian Calendar 1 Feb. 1153 == Greg. Calendar 8 Feb. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

MARCH 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 0 45	17♓ 6'22	28♈12	22♒ 5	22♓15	19♉ 5	8♐45	11°R54	10♉39	4°R14	0♊46	4°R46	3♒30	6♈ 2	15♉38	S 1
M 2	11 4 42	18° 5'55	10♉ 7	23°29	23°30	19°49	8°48	11♌51	10°41	4♐14	0°46	4♒39	3°27	6° 9	15°41	M 2
T 3	11 8 39	19° 5'26	22° 8	24°54	24°44	20°33	8°51	11°47	10°43	4°14	0°47	4°34	3°24	6°16	15°44	T 3
W 4	11 12 35	20° 4'54	4♊20	26°20	25°59	21°17	8°54	11°44	10°45	4°14	0°47	4°30	3°21	6°22	15°47	W 4
T 5	11 16 32	21° 4'21	16°46	27°48	27°14	22° 1	8°57	11°41	10°47	4°13	0°48	4°D29	3°18	6°29	15°50	T 5
F 6	11 20 28	22° 3'45	29°30	29°18	28°28	22°45	9° 0	11°38	10°48	4°13	0°48	4°29	3°14	6°36	15°53	F 6
S 7	11 24 25	23° 3'07	12♋37	0♓49	29°43	23°29	9° 2	11°35	10°50	4°13	0°49	4°30	3°11	6°42	15°56	S 7
S 8	11 28 21	24° 2'26	26°10	2°21	0♈57	24°12	9° 4	11°32	10°52	4°13	0°50	4°31	3° 8	6°49	15°59	S 8
M 9	11 32 18	25° 1'43	10♌12	3°55	2°12	24°56	9° 6	11°29	10°53	4°12	0°50	4°R31	3° 5	6°56	16° 2	M 9
T 10	11 36 14	26° 0'57	24°41	5°30	3°26	25°40	9° 8	11°26	10°55	4°12	0°51	4°30	3° 2	7° 3	16° 5	T 10
W11	11 40 11	27° 0'09	9♍35	7° 7	4°40	26°24	9°10	11°23	10°56	4°12	0°51	4°26	2°58	7° 9	16° 8	W11
T 12	11 44 8	27°59'19	24°46	8°45	5°55	27° 8	9°11	11°21	10°58	4°11	0°52	4°20	2°55	7°16	16°11	T 12
F 13	11 48 4	28°58'27	10♎ 5	10°24	7° 9	27°53	9°13	11°18	10°59	4°11	0°53	4°12	2°52	7°23	16°14	F 13
S 14	11 52 1	29°57'33	25°20	12° 5	8°23	28°37	9°14	11°16	11° 0	4°10	0°54	4° 3	2°49	7°29	16°18	S 14
S 15	11 55 57	0♈56'37	10♏21	13°47	9°38	29°21	9°15	11°14	11° 2	4°10	0°54	3°55	2°46	7°36	16°21	S 15
M16	11 59 54	1°55'39	25° 0	15°31	10°52	0♒ 5	9°16	11°11	11° 3	4° 9	0°55	3°49	2°43	7°43	16°24	M16
T 17	12 3 50	2°54'40	9♐11	17°16	12° 6	0°49	9°16	11° 9	11° 4	4° 9	0°56	3°44	2°39	7°49	16°28	T 17
W18	12 7 47	3°53'39	22°53	19° 2	13°21	1°33	9°17	11° 7	11° 5	4° 8	0°57	3°42	2°36	7°56	16°31	W18
T 19	12 11 43	4°52'36	6♉ 7	20°50	14°35	2°17	9°17	11° 5	11° 6	4° 8	0°58	3°D41	2°33	8° 3	16°35	T 19
F 20	12 15 40	5°51'31	18°58	22°40	15°49	3° 1	9°R17	11° 4	11° 7	4° 7	0°58	3°41	2°30	8°10	16°38	F 20
S 21	12 19 37	6°50'24	1♒29	24°31	17° 3	3°45	9°17	11° 2	11° 8	4° 6	0°59	3°R42	2°27	8°16	16°42	S 21
S 22	12 23 33	7°49'16	13°44	26°23	18°17	4°29	9°16	11° 0	11° 9	4° 6	1° 0	3°42	2°24	8°23	16°45	S 22
M23	12 27 30	8°48'05	25°48	28°17	19°32	5°13	9°16	10°59	11°10	4° 5	1° 1	3°39	2°20	8°30	16°49	M23
T 24	12 31 26	9°46'53	7♓45	0♈13	20°46	5°58	9°15	10°57	11°11	4° 4	1° 2	3°34	2°17	8°36	16°53	T 24
W25	12 35 23	10°45'39	19°38	2°10	22° 0	6°42	9°14	10°56	11°12	4° 4	1° 3	3°26	2°14	8°43	16°56	W25
T 26	12 39 19	11°44'23	1♈29	4° 8	23°14	7°26	9°13	10°55	11°12	4° 3	1° 4	3°16	2°11	8°50	17° 0	T 26
F 27	12 43 16	12°43'05	13°20	6° 8	24°28	8°10	9°12	10°54	11°13	4° 2	1° 5	3° 4	2° 8	8°57	17° 4	F 27
S 28	12 47 12	13°41'45	25°12	8° 9	25°42	8°54	9°10	10°53	11°14	4° 1	1° 6	2°51	2° 4	9° 3	17° 8	S 28
S 29	12 51 9	14°40'23	7♉ 8	10°11	26°56	9°38	9° 9	10°52	11°14	4° 0	1° 7	2°37	2° 1	9°10	17°12	S 29
M30	12 55 5	15°38'59	19° 8	12°15	28°10	10°22	9° 7	10°51	11°15	3°59	1° 8	2°26	1°58	9°17	17°16	M30
T 31	12 59 2	16♈37'33	1♊15	14♈20	29♈24	11♒ 6	9♐ 5	10♌50	11♉15	3♐58	1♊ 9	2♒16	1♒55	9♈23	17♉19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 7	15n39	5n 7	15s57	1s50	4s19	1s21	22s59	0s48	21s 5	0n47	18n36	1n21	23s29	0s21	19s30	1n37	10n 9	10s29	19s10	19s28	6n36	14n38	2s 4
M 2	4 44	19 46	5 7	15 34	1 55	3 49	1 20	22 53	0 49	21 6	0 47	18 37	1 21	23 29	0 22	19 30	1 37	10 9	10 28	19 11	19 28	6 39	14 38	2 4
T 3	4 20	23 7	4 54	15 9	2 0	3 18	1 19	22 48	0 50	21 6	0 47	18 38	1 21	23 28	0 22	19 30	1 37	10 9	10 28	19 13	19 29	6 42	14 39	2 4
W 4	3 57	25 30	4 28	14 44	2 4	2 48	1 18	22 42	0 51	21 6	0 47	18 39	1 21	23 28	0 22	19 30	1 37	10 10	10 28	19 13	19 30	6 45	14 40	2 4
T 5	3 33	26 41	3 49	14 17	2 7	2 17	1 17	22 36	0 52	21 7	0 47	18 40	1 21	23 28	0 22	19 30	1 37	10 10	10 28	19 14	19 31	6 48	14 41	2 4
F 6	3 10	26 30	2 57	13 48	2 10	1 46	1 16	22 30	0 53	21 7	0 47	18 41	1 21	23 28	0 22	19 30	1 37	10 10	10 27	19 14	19 31	6 51	14 42	2 4
S 7	2 46	24 52	1 55	13 19	2 13	1 16	1 15	22 23	0 54	21 8	0 47	18 41	1 21	23 28	0 22	19 30	1 37	10 11	10 27	19 13	19 32	6 54	14 43	2 3
S 8	2 23	21 45	0 45	12 47	2 16	0 45	1 14	22 17	0 55	21 8	0 48	18 42	1 21	23 28	0 22	19 30	1 37	10 11	10 27	19 13	19 33	6 57	14 44	2 3
M 9	1 59	17 17	0s31	12 15	2 17	0 14	1 12	22 10	0 56	21 8	0 48	18 43	1 21	23 28	0 22	19 30	1 37	10 11	10 27	19 13	19 34	7 0	14 44	2 3
T 10	1 35	11 41	1 46	11 41	2 19	0n17	1 11	22 2	0 57	21 8	0 48	18 44	1 21	23 28	0 22	19 29	1 37	10 12	10 26	19 14	19 34	7 3	14 45	2 3
W11	1 12	5 17	2 57	11 6	2 20	0 48	1 10	21 55	0 58	21 9	0 48	18 44	1 21	23 28	0 22	19 29	1 37	10 12	10 26	19 15	19 35	7 6	14 46	2 3
T 12	0 48	1s31	3 56	10 30	2 20	1 19	1 8	21 48	0 59	21 9	0 48	18 45	1 21	23 27	0 22	19 29	1 37	10 13	10 26	19 16	19 36	7 9	14 47	2 3
F 13	0 25	8 17	4 39	9 52	2 20	1 50	1 7	21 40	1 0	21 9	0 48	18 46	1 21	23 27	0 22	19 29	1 37	10 13	10 26	19 18	19 37	7 12	14 48	2 3
S 14	0 1	14 31	5 2	9 13	2 20	2 20	1 5	21 32	1 1	21 9	0 48	18 46	1 21	23 27	0 22	19 29	1 37	10 13	10 26	19 20	19 37	7 15	14 49	2 3
S 15	0n23	19 47	5 3	8 32	2 19	2 51	1 4	21 24	1 2	21 9	0 48	18 47	1 21	23 27	0 22	19 29	1 38	10 14	10 25	19 22	19 38	7 18	14 50	2 3
M16	0 46	23 42	4 45	7 51	2 17	3 22	1 2	21 15	1 3	21 9	0 48	18 48	1 21	23 27	0 22	19 29	1 38	10 14	10 25	19 23	19 39	7 21	14 51	2 3
T 17	1 10	26 2	4 9	7 8	2 15	3 53	1 1	21 7	1 4	21 9	0 48	18 48	1 21	23 27	0 22	19 29	1 38	10 14	10 25	19 24	19 39	7 24	14 52	2 3
W18	1 33	26 41	3 20	6 23	2 13	4 23	0 59	20 58	1 5	21 9	0 48	18 49	1 21	23 27	0 22	19 28	1 38	10 15	10 25	19 25	19 40	7 27	14 53	2 3
T 19	1 57	25 46	2 22	5 38	2 10	4 54	0 57	20 49	1 6	21 9	0 48	18 49	1 21	23 27	0 22	19 28	1 38	10 15	10 24	19 25	19 41	7 30	14 54	2 3
F 20	2 20	23 29	1 18	4 51	2 6	5 24	0 55	20 40	1 7	21 9	0 48	18 50	1 21	23 27	0 22	19 28	1 38	10 16	10 24	19 25	19 42	7 33	14 55	2 3
S 21	2 44	20 7	0 12	4 3	2 2	5 54	0 53	20 30	1 8	21 9	0 48	18 50	1 21	23 27	0 22	19 28	1 38	10 16	10 24	19 25	19 42	7 36	14 56	2 3
S 22	3 7	15 56	0n53	3 14	1 58	6 25	0 51	20 21	1 9	21 9	0 48	18 51	1 21	23 27	0 22	19 28	1 38	10 16	10 24	19 25	19 43	7 39	14 57	2 3
M23	3 30	11 10	1 55	2 24	1 53	6 55	0 50	20 11	1 10	21 9	0 48	18 51	1 21	23 27	0 22	19 28	1 38	10 17	10 24	19 26	19 44	7 42	14 58	2 3
T 24	3 54	6 4	2 51	1 33	1 47	7 25	0 48	20 1	1 11	21 9	0 48	18 51	1 21	23 27	0 22	19 27	1 38	10 17	10 23	19 27	19 45	7 45	14 59	2 3
W25	4 17	0 46	3 39	0 41	1 41	7 54	0 46	19 51	1 12	21 9	0 48	18 52	1 21	23 27	0 22	19 27	1 38	10 17	10 23	19 29	19 45	7 48	15 0	2 3
T 26	4 40	4n31	4 17	0n13	1 34	8 24	0 43	19 41	1 13	21 8	0 48	18 52	1 20	23 27	0 22	19 27	1 38	10 18	10 23	19 31	19 46	7 51	15 1	2 3
F 27	5 3	9 38	4 44	1 7	1 27	8 53	0 41	19 30	1 14	21 8	0 48	18 52	1 20	23 27	0 22	19 27	1 38	10 18	10 23	19 34	19 47	7 54	15 2	2 3
S 28	5 26	14 25	4 58	2 2	1 20	9 22	0 39	19 20	1 15	21 8	0 48	18 52	1 20	23 27	0 22	19 27	1 38	10 19	10 22	19 37	19 47	7 57	15 3	2 3
S 29	5 49	18 40	5 0	2 57	1 11	9 51	0 37	19 9	1 16	21 8	0 48	18 53	1 20	23 27	0 22	19 26	1 38	10 19	10 22	19 40	19 48	8 0	15 4	2 3
M30	6 11	22 12	4 48	3 54	1 3	10 20	0 35	18 58	1 17	21 7	0 48	18 53	1 20	23 27	0 22	19 26	1 38	10 19	10 22	19 43	19 49	8 3	15 5	2 3
T 31	6n34	24n48	4n24	4n51	0s54	10n48	0s33	18s47	1s18	21s 7	0n48	18n53	1n20	23s26	0s22	19s26	1n38	10n20	10s22	19s45	19s50	8n 6	15n 7	2s 3

Julian Day Number = 2142250.5, Delta T = 15m10s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'00, Lahiri = 12°03'01 Julian Calendar 1 March 1153 == Greg. Calendar 8 March 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

APRIL 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 2 59	17♈36'04	13♊30	16♈26	0♉38	11♒51	9°R 3	10°R50	11♑16	3°R57	1♊10	2°R 9	1♒52	9♈30	17♉23	W 1
T 2	13 6 55	18°34'34	25°57	18°33	1°52	12°35	9♐ 0	10♌49	11°16	3♐56	1°11	2♒ 4	1°49	9°37	17°27	T 2
F 3	13 10 52	19°33'02	8♋40	20°40	3° 6	13°19	8°58	10°49	11°16	3°55	1°12	2° 2	1°45	9°44	17°31	F 3
S 4	13 14 48	20°31'27	21°42	22°48	4°20	14° 3	8°55	10°49	11°17	3°54	1°13	2°D 2	1°42	9°50	17°35	S 4
S 5	13 18 45	21°29'50	5♌ 7	24°56	5°33	14°47	8°52	10°49	11°17	3°53	1°14	2°R 2	1°39	9°57	17°39	S 5
M 6	13 22 41	22°28'11	18°58	27° 5	6°47	15°31	8°49	10°D49	11°17	3°52	1°15	2° 1	1°36	10° 4	17°43	M 6
T 7	13 26 38	23°26'30	3♍16	29°13	8° 1	16°15	8°46	10°49	11°17	3°51	1°16	1°59	1°33	10°10	17°47	T 7
W 8	13 30 34	24°24'46	18° 0	1♉20	9°15	16°59	8°42	10°49	11°17	3°50	1°17	1°53	1°29	10°17	17°52	W 8
T 9	13 34 31	25°23'01	3♎ 4	3°27	10°28	17°43	8°38	10°49	11°R17	3°49	1°19	1°46	1°26	10°24	17°56	T 9
F 10	13 38 28	26°21'13	18°20	5°33	11°42	18°27	8°35	10°50	11°17	3°48	1°20	1°36	1°23	10°31	18° 0	F 10
S 11	13 42 24	27°19'24	3♏37	7°37	12°56	19°11	8°31	10°50	11°17	3°46	1°21	1°25	1°20	10°37	18° 4	S 11
S 12	13 46 21	28°17'33	18°44	9°40	14° 9	19°55	8°27	10°51	11°17	3°45	1°22	1°14	1°17	10°44	18° 8	S 12
M13	13 50 17	29°15'41	3♐31	11°40	15°23	20°39	8°22	10°52	11°17	3°44	1°23	1° 5	1°14	10°51	18°12	M13
T 14	13 54 14	0♑13'47	17°52	13°38	16°37	21°23	8°18	10°52	11°17	3°43	1°24	0°58	1°10	10°57	18°17	T 14
W15	13 58 10	1°11'51	1♒42	15°34	17°50	22° 7	8°13	10°53	11°16	3°41	1°26	0°54	1° 7	11° 4	18°21	W15
T 16	14 2 7	2° 9'54	15° 3	17°27	19° 4	22°51	8° 9	10°54	11°16	3°40	1°27	0°52	1° 4	11°11	18°25	T 16
F 17	14 6 3	3° 7'56	27°57	19°17	20°17	23°35	8° 4	10°56	11°16	3°39	1°28	0°51	1° 1	11°18	18°29	F 17
S 18	14 10 0	4° 5'56	10♓29	21° 4	21°31	24°19	7°59	10°57	11°15	3°37	1°29	0°51	0°58	11°24	18°34	S 18
S 19	14 13 57	5° 3'55	22°43	22°48	22°44	25° 3	7°53	10°58	11°15	3°36	1°31	0°50	0°55	11°31	18°38	S 19
M20	14 17 53	6° 1'53	4♈45	24°28	23°58	25°47	7°48	11° 0	11°14	3°35	1°32	0°48	0°51	11°38	18°42	M20
T 21	14 21 50	6°59'49	16°39	26° 5	25°11	26°31	7°43	11° 1	11°14	3°33	1°33	0°43	0°48	11°44	18°47	T 21
W22	14 25 46	7°57'43	28°29	27°38	26°25	27°15	7°37	11° 3	11°13	3°32	1°34	0°35	0°45	11°51	18°51	W22
T 23	14 29 43	8°55'37	10♈19	29° 8	27°38	27°58	7°31	11° 5	11°12	3°30	1°36	0°24	0°42	11°58	18°55	T 23
F 24	14 33 39	9°53'29	22°12	0♊34	28°51	28°42	7°25	11° 7	11°12	3°29	1°37	0°12	0°39	12° 5	19° 0	F 24
S 25	14 37 36	10°51'19	4♉ 8	1°56	0♊ 5	29°26	7°19	11° 9	11°11	3°27	1°38	29♑58	0°35	12°11	19° 4	S 25
S 26	14 41 32	11°49'08	16°11	3°15	1°18	0♈10	7°13	11°11	11°10	3°26	1°40	29°44	0°32	12°18	19° 8	S 26
M27	14 45 29	12°46'56	28°20	4°29	2°31	0°53	7° 7	11°13	11° 9	3°25	1°41	29°32	0°29	12°25	19°13	M27
T 28	14 49 26	13°44'42	10♊37	5°40	3°45	1°37	7° 0	11°15	11° 8	3°23	1°42	29°22	0°26	12°31	19°17	T 28
W29	14 53 22	14°42'27	23° 3	6°46	4°58	2°21	6°54	11°17	11° 7	3°22	1°43	29°14	0°23	12°38	19°22	W29
T 30	14 57 19	15♉40'10	5♋40	7♊49	6♊11	3♈ 4	6♐47	11♌20	11♑ 6	3♐20	1♊45	29♑10	0♒20	12♈45	19♉26	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n56	26n17	3n47	5n48	0s45	11n16	0s30	18s35	1s19	21s 7	0n48	18n53	1n20	23s26	0s22	19s26	1n38	10n20	10s22	19s46	19s50	8n 9	15n 8	2s 3	W 1
T 2	7 19	26 28	2 59	6 46	0 35	11 44	0 28	18 24	1 20	21 6	0 48	18 53	1 20	23 26	0 22	19 26	1 38	10 21	10 21	19 47	19 51	8 12	15 9	2 4	T 2
F 3	7 41	25 16	2 0	7 43	0 25	12 12	0 26	18 12	1 21	21 6	0 48	18 53	1 20	23 26	0 22	19 25	1 38	10 21	10 21	19 48	19 52	8 15	15 10	2 4	F 3
S 4	8 3	22 41	0 54	8 41	0 15	12 39	0 23	18 0	1 22	21 5	0 48	18 53	1 20	23 26	0 22	19 25	1 38	10 21	10 21	19 48	19 52	8 18	15 11	2 4	S 4
S 5	8 25	18 49	0s16	9 38	0 4	13 6	0 21	17 48	1 23	21 5	0 48	18 53	1 20	23 26	0 22	19 25	1 38	10 22	10 21	19 48	19 53	8 21	15 12	2 4	S 5
M 6	8 47	13 48	1 28	10 35	0n 7	13 33	0 19	17 36	1 24	21 4	0 48	18 53	1 20	23 26	0 22	19 25	1 38	10 22	10 21	19 48	19 54	8 24	15 13	2 4	M 6
T 7	9 9	7 55	2 37	11 31	0 18	13 59	0 16	17 24	1 25	21 4	0 48	18 53	1 20	23 27	0 22	19 24	1 38	10 23	10 21	19 49	19 55	8 27	15 14	2 4	T 7
W 8	9 30	1 26	3 37	12 26	0 28	14 26	0 14	17 11	1 26	21 3	0 48	18 53	1 20	23 27	0 23	19 24	1 38	10 23	10 20	19 50	19 55	8 30	15 15	2 4	W 8
T 9	9 52	5s15	4 24	13 20	0 39	14 51	0 11	16 59	1 28	21 3	0 49	18 53	1 20	23 27	0 23	19 24	1 38	10 23	10 20	19 52	19 56	8 33	15 16	2 4	T 9
F 10	10 13	11 43	4 52	14 13	0 50	15 17	0 9	16 46	1 29	21 2	0 49	18 52	1 20	23 27	0 23	19 24	1 38	10 24	10 20	19 54	19 57	8 36	15 18	2 4	F 10
S 11	10 34	17 28	5 0	15 4	1 0	15 42	0 6	16 33	1 30	21 2	0 49	18 52	1 20	23 27	0 23	19 23	1 39	10 24	10 20	19 56	19 57	8 39	15 19	2 4	S 11
S 12	10 55	22 4	4 47	15 53	1 10	16 6	0 4	16 20	1 31	21 1	0 49	18 52	1 20	23 27	0 23	19 23	1 39	10 24	10 20	19 59	19 58	8 42	15 20	2 4	S 12
M13	11 16	25 7	4 14	16 40	1 20	16 30	0 1	16 7	1 32	21 0	0 48	18 52	1 20	23 27	0 23	19 23	1 39	10 25	10 20	20 1	19 59	8 45	15 21	2 4	M13
T 14	11 36	26 25	3 26	17 26	1 29	16 54	0n 1	15 54	1 33	21 0	0 48	18 51	1 19	23 27	0 23	19 23	1 39	10 25	10 19	20 2	19 59	8 48	15 22	2 4	T 14
W15	11 57	26 0	2 27	18 9	1 38	17 17	0 4	15 41	1 34	20 59	0 48	18 51	1 19	23 27	0 23	19 22	1 39	10 26	10 19	20 3	20 0	8 50	15 23	2 4	W15
T 16	12 17	24 4	1 23	18 49	1 47	17 40	0 6	15 27	1 35	20 58	0 48	18 51	1 19	23 27	0 23	19 22	1 39	10 26	10 19	20 4	20 1	8 53	15 24	2 4	T 16
F 17	12 37	20 55	0 15	19 28	1 54	18 3	0 9	15 13	1 36	20 57	0 48	18 50	1 19	23 27	0 23	19 22	1 39	10 26	10 19	20 4	20 2	8 56	15 25	2 4	F 17
S 18	12 57	16 53	0n51	20 3	2 1	18 25	0 11	15 0	1 37	20 57	0 48	18 50	1 19	23 27	0 23	19 22	1 39	10 27	10 19	20 4	20 2	8 59	15 26	2 4	S 18
S 19	13 16	12 14	1 53	20 37	2 8	18 46	0 14	14 46	1 38	20 56	0 48	18 50	1 19	23 27	0 23	19 21	1 39	10 27	10 19	20 4	20 3	9 2	15 28	2 4	S 19
M20	13 36	7 12	2 49	21 7	2 13	19 7	0 17	14 32	1 39	20 55	0 48	18 49	1 19	23 27	0 23	19 21	1 39	10 27	10 19	20 4	20 4	9 5	15 29	2 4	M20
T 21	13 55	1 58	3 37	21 36	2 18	19 28	0 19	14 18	1 40	20 54	0 48	18 49	1 19	23 27	0 23	19 21	1 39	10 28	10 18	20 5	20 4	9 8	15 30	2 4	T 21
W22	14 14	3n17	4 15	22 2	2 22	19 48	0 22	14 4	1 41	20 53	0 48	18 48	1 19	23 27	0 23	19 20	1 39	10 28	10 18	20 7	20 5	9 11	15 31	2 4	W22
T 23	14 32	8 25	4 42	22 25	2 25	20 7	0 24	13 49	1 42	20 52	0 48	18 48	1 19	23 27	0 23	19 20	1 39	10 29	10 18	20 9	20 6	9 14	15 32	2 4	T 23
F 24	14 51	13 16	4 57	22 46	2 27	20 26	0 27	13 35	1 43	20 51	0 48	18 47	1 19	23 27	0 23	19 20	1 39	10 29	10 18	20 12	20 6	9 17	15 33	2 4	F 24
S 25	15 9	17 38	4 59	23 4	2 29	20 44	0 29	13 20	1 44	20 50	0 48	18 46	1 19	23 28	0 23	19 20	1 39	10 29	10 18	20 15	20 7	9 20	15 34	2 4	S 25
S 26	15 27	21 21	4 48	23 21	2 29	21 2	0 32	13 6	1 45	20 49	0 48	18 46	1 19	23 28	0 23	19 19	1 39	10 30	10 18	20 18	20 8	9 23	15 35	2 5	S 26
M27	15 45	24 10	4 24	23 35	2 29	21 19	0 34	12 51	1 46	20 48	0 48	18 45	1 19	23 28	0 23	19 19	1 39	10 30	10 18	20 21	20 8	9 25	15 37	2 5	M27
T 28	16 2	25 53	3 47	23 46	2 28	21 36	0 37	12 36	1 47	20 47	0 48	18 44	1 19	23 28	0 23	19 19	1 39	10 30	10 18	20 23	20 9	9 28	15 38	2 5	T 28
W29	16 19	26 20	2 59	23 56	2 26	21 52	0 39	12 22	1 48	20 46	0 48	18 44	1 19	23 28	0 23	19 18	1 39	10 31	10 17	20 24	20 10	9 31	15 39	2 5	W29
T 30	16n36	25n26	2n 1	24n 4	2n23	22n 8	0n42	12s 7	1s49	20s45	0n48	18n43	1n18	23s28	0s23	19s18	1n39	10n31	10s17	20s25	20s10	9n34	15n40	2s 5	T 30

Julian Day Number = 2142281.5, Delta T = 15m10s
Ecliptic obliquity = 23°33'02, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'05, Lahiri = 12°03'05 Julian Calendar 1 Apr. 1153 == Greg. Calendar 8 Apr. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

MAY 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 1 15	16♉37'51	18♋30	8♊48	7♊24	3♓48	6°R41	11♌22	11°R 5	3°R19	1♊46	29°R 8	0♒16	12♈52	19♉30	F 1
S 2	15 5 12	17°35'31	1♌35	9°42	8°37	4°31	6♐34	11°25	11♑ 4	3♐17	1°48	29°D 7	0°13	12°58	19°35	S 2
S 3	15 9 8	18°33'10	14°59	10°32	9°50	5°15	6°27	11°28	11° 3	3°15	1°49	29°R 8	0°10	13° 5	19°39	S 3
M 4	15 13 5	19°30'46	28°44	11°18	11° 4	5°58	6°20	11°31	11° 2	3°14	1°50	29♑ 7	0° 7	13°12	19°44	M 4
T 5	15 17 1	20°28'21	12♍51	11°59	12°17	6°42	6°13	11°34	11° 1	3°12	1°52	29° 5	0° 4	13°18	19°48	T 5
W 6	15 20 58	21°25'55	27°19	12°36	13°30	7°25	6° 6	11°37	10°59	3°11	1°53	29° 1	0° 1	13°25	19°52	W 6
T 7	15 24 55	22°23'27	12♎ 5	13° 9	14°43	8° 8	5°59	11°40	10°58	3° 9	1°54	28°55	29♑57	13°32	19°57	T 7
F 8	15 28 51	23°20'58	27° 4	13°36	15°56	8°51	5°52	11°43	10°57	3° 8	1°56	28°47	29°54	13°39	20° 1	F 8
S 9	15 32 48	24°18'27	12♏ 6	14° 0	17° 9	9°35	5°44	11°46	10°55	3° 6	1°57	28°37	29°51	13°45	20° 6	S 9
S 10	15 36 44	25°15'56	27° 2	14°18	18°21	10°18	5°37	11°50	10°54	3° 4	1°58	28°28	29°48	13°52	20°10	S 10
M11	15 40 41	26°13'23	11♐43	14°32	19°34	11° 1	5°30	11°53	10°53	3° 3	2° 0	28°20	29°45	13°59	20°14	M11
T 12	15 44 37	27°10'50	26° 2	14°41	20°47	11°44	5°22	11°57	10°51	3° 1	2° 1	28°14	29°41	14° 5	20°19	T 12
W13	15 48 34	28° 8'15	9♑55	14°46	22° 0	12°27	5°15	12° 1	10°50	3° 0	2° 3	28°10	29°38	14°12	20°23	W13
T 14	15 52 30	29° 5'40	23°19	14°R46	23°13	13°10	5° 7	12° 4	10°48	2°58	2° 4	28°D 9	29°35	14°19	20°28	T 14
F 15	15 56 27	0♊ 3'04	6♒18	14°41	24°25	13°53	5° 0	12° 8	10°46	2°56	2° 5	28° 9	29°32	14°26	20°32	F 15
S 16	16 0 24	1° 0'27	18°53	14°33	25°38	14°36	4°52	12°12	10°45	2°55	2° 7	28°10	29°29	14°32	20°36	S 16
S 17	16 4 20	1°57'49	1♓10	14°20	26°51	15°18	4°44	12°16	10°43	2°53	2° 8	28°R10	29°26	14°39	20°41	S 17
M18	16 8 17	2°55'11	13°14	14° 3	28° 4	16° 1	4°37	12°20	10°41	2°51	2° 9	28°10	29°22	14°46	20°45	M18
T 19	16 12 13	3°52'32	25° 9	13°42	29°16	16°44	4°29	12°24	10°40	2°50	2°11	28° 7	29°19	14°53	20°49	T 19
W20	16 16 10	4°49'53	7♈ 0	13°18	0♋29	17°26	4°21	12°29	10°38	2°48	2°12	28° 3	29°16	14°59	20°54	W20
T 21	16 20 6	5°47'13	18°52	12°52	1°41	18° 9	4°14	12°33	10°36	2°47	2°14	27°56	29°13	15° 6	20°58	T 21
F 22	16 24 3	6°44'33	0♉48	12°23	2°54	18°51	4° 6	12°38	10°34	2°45	2°15	27°48	29°10	15°13	21° 2	F 22
S 23	16 27 59	7°41'52	12°50	11°51	4° 6	19°34	3°58	12°42	10°32	2°43	2°16	27°39	29° 7	15°19	21° 7	S 23
S 24	16 31 56	8°39'10	25° 1	11°19	5°19	20°16	3°51	12°47	10°30	2°42	2°18	27°30	29° 3	15°26	21°11	S 24
M25	16 35 53	9°36'28	7♊22	10°45	6°31	20°58	3°43	12°51	10°28	2°40	2°19	27°21	29° 0	15°33	21°15	M25
T 26	16 39 49	10°33'46	19°53	10°11	7°44	21°40	3°36	12°56	10°27	2°39	2°20	27°15	28°57	15°40	21°19	T 26
W27	16 43 46	11°31'02	2♋36	9°38	8°56	22°22	3°28	13° 1	10°25	2°37	2°22	27°10	28°54	15°46	21°24	W27
T 28	16 47 42	12°28'18	15°30	9° 5	10° 9	23° 4	3°21	13° 6	10°23	2°35	2°23	27° 7	28°51	15°53	21°28	T 28
F 29	16 51 39	13°25'33	28°37	8°34	11°21	23°46	3°13	13°11	10°20	2°34	2°25	27°D 7	28°47	16° 0	21°32	F 29
S 30	16 55 35	14°22'48	11♌56	8° 4	12°33	24°28	3° 6	13°16	10°18	2°32	2°26	27° 7	28°44	16° 6	21°36	S 30
S 31	16 59 32	15♊20'02	25♌29	7♊37	13♋46	25♓10	2♐58	13♌21	10♑16	2♐31	2♊27	27♑ 9	28♑41	16♈13	21♉40	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n53	23n12	0n56	24n 9	2n19	22n22	0n44	11s52	1s50	20s44	0n48	18n42	1n18	23s28	0s23	19s18	1n39	10n31	10s17	20s26	20s11	9n37	15n41	2s 5
S 2	17 10	19 41	0s13	24 13	2 14	22 37	0 47	11 37	1 50	20 43	0 48	18 41	1 18	23 28	0 23	19 17	1 39	10 32	10 17	20 26	20 12	9 40	15 42	2 5
S 3	17 26	15 5	1 23	24 14	2 8	22 50	0 49	11 21	1 51	20 42	0 48	18 41	1 18	23 28	0 23	19 17	1 39	10 32	10 17	20 26	20 13	9 43	15 43	2 5
M 4	17 41	9 37	2 30	24 14	2 1	23 3	0 51	11 6	1 52	20 41	0 48	18 40	1 18	23 28	0 23	19 17	1 39	10 32	10 17	20 26	20 13	9 46	15 44	2 5
T 5	17 57	3 32	3 30	24 12	1 53	23 15	0 54	10 51	1 53	20 40	0 48	18 39	1 18	23 29	0 23	19 17	1 39	10 33	10 17	20 26	20 14	9 49	15 46	2 5
W 6	18 12	2s52	4 18	24 8	1 44	23 27	0 56	10 36	1 54	20 39	0 48	18 38	1 18	23 29	0 23	19 16	1 39	10 33	10 17	20 27	20 15	9 51	15 47	2 5
T 7	18 27	9 15	4 50	24 3	1 35	23 38	0 58	10 20	1 55	20 38	0 48	18 37	1 18	23 29	0 23	19 16	1 39	10 33	10 17	20 28	20 15	9 54	15 48	2 5
F 8	18 42	15 10	5 3	23 56	1 24	23 48	1 1	10 5	1 56	20 36	0 47	18 36	1 18	23 29	0 23	19 16	1 39	10 34	10 17	20 30	20 16	9 57	15 49	2 6
S 9	18 56	20 12	4 55	23 47	1 13	23 58	1 3	9 49	1 57	20 35	0 47	18 35	1 18	23 29	0 23	19 15	1 39	10 34	10 17	20 32	20 17	10 0	15 50	2 6
S 10	19 10	23 54	4 26	23 37	1 1	24 7	1 5	9 34	1 58	20 34	0 47	18 34	1 18	23 29	0 23	19 15	1 39	10 34	10 17	20 34	20 17	10 3	15 51	2 6
M11	19 24	25 57	3 41	23 26	0 47	24 15	1 7	9 18	1 59	20 33	0 47	18 33	1 18	23 29	0 23	19 15	1 39	10 35	10 16	20 35	20 18	10 6	15 52	2 6
T 12	19 37	26 12	2 42	23 13	0 34	24 23	1 9	9 2	2 0	20 31	0 47	18 32	1 18	23 30	0 23	19 14	1 39	10 35	10 16	20 37	20 19	10 9	15 53	2 6
W13	19 50	24 46	1 36	22 59	0 19	24 30	1 11	8 47	2 1	20 30	0 47	18 31	1 18	23 30	0 23	19 14	1 39	10 35	10 16	20 37	20 19	10 11	15 54	2 6
T 14	20 3	21 57	0 26	22 44	0 4	24 36	1 13	8 31	2 2	20 29	0 47	18 30	1 18	23 30	0 23	19 14	1 39	10 36	10 16	20 38	20 20	10 14	15 55	2 6
F 15	20 15	18 5	0n44	22 28	0s12	24 41	1 15	8 15	2 3	20 28	0 47	18 29	1 18	23 30	0 23	19 13	1 39	10 36	10 16	20 38	20 21	10 17	15 56	2 6
S 16	20 27	13 31	1 49	22 11	0 29	24 46	1 17	7 59	2 4	20 26	0 47	18 27	1 18	23 30	0 23	19 13	1 39	10 36	10 16	20 38	20 21	10 20	15 57	2 6
S 17	20 39	8 30	2 47	21 52	0 45	24 50	1 19	7 44	2 4	20 25	0 47	18 26	1 18	23 30	0 23	19 13	1 39	10 37	10 16	20 37	20 22	10 23	15 58	2 6
M18	20 50	3 17	3 37	21 34	1 2	24 53	1 21	7 28	2 5	20 24	0 46	18 25	1 18	23 30	0 24	19 13	1 39	10 37	10 16	20 38	20 23	10 26	15 59	2 7
T 19	21 1	2n 0	4 17	21 14	1 20	24 56	1 23	7 12	2 6	20 23	0 46	18 24	1 17	23 31	0 24	19 12	1 39	10 37	10 16	20 38	20 23	10 29	16 0	2 7
W20	21 12	7 10	4 46	20 54	1 37	24 57	1 25	6 56	2 7	20 21	0 46	18 23	1 17	23 31	0 24	19 12	1 39	10 37	10 16	20 39	20 24	10 31	16 1	2 7
T 21	21 22	12 4	5 2	20 34	1 54	24 59	1 26	6 40	2 8	20 20	0 46	18 21	1 17	23 31	0 24	19 12	1 39	10 38	10 16	20 40	20 25	10 34	16 2	2 7
F 22	21 32	16 34	5 6	20 14	2 11	24 59	1 28	6 24	2 9	20 19	0 46	18 20	1 17	23 31	0 24	19 11	1 39	10 38	10 16	20 42	20 25	10 37	16 3	2 7
S 23	21 42	20 27	4 55	19 53	2 27	24 59	1 29	6 8	2 10	20 17	0 46	18 19	1 17	23 31	0 24	19 11	1 39	10 38	10 16	20 44	20 26	10 40	16 4	2 7
S 24	21 51	23 30	4 32	19 33	2 43	24 57	1 31	5 52	2 10	20 16	0 46	18 17	1 17	23 31	0 24	19 11	1 39	10 39	10 16	20 45	20 27	10 43	16 5	2 7
M25	22 0	25 30	3 55	19 14	2 58	24 56	1 32	5 36	2 11	20 15	0 46	18 16	1 17	23 32	0 24	19 10	1 39	10 39	10 16	20 47	20 27	10 45	16 6	2 7
T 26	22 8	26 16	3 7	18 55	3 12	24 53	1 34	5 20	2 12	20 14	0 45	18 15	1 17	23 32	0 24	19 10	1 39	10 39	10 16	20 48	20 28	10 48	16 7	2 7
W27	22 16	25 40	2 8	18 37	3 25	24 50	1 35	5 4	2 13	20 12	0 45	18 13	1 17	23 32	0 24	19 10	1 39	10 39	10 16	20 49	20 29	10 51	16 8	2 8
T 28	22 24	23 41	1 2	18 21	3 37	24 46	1 36	4 48	2 14	20 11	0 45	18 12	1 17	23 32	0 24	19 10	1 39	10 40	10 16	20 50	20 29	10 54	16 9	2 8
F 29	22 31	20 24	0s 8	18 5	3 47	24 41	1 38	4 33	2 15	20 10	0 45	18 10	1 17	23 32	0 24	19 9	1 39	10 40	10 16	20 50	20 30	10 57	16 10	2 8
S 30	22 38	16 1	1 19	17 52	3 57	24 36	1 39	4 17	2 15	20 8	0 45	18 9	1 17	23 33	0 24	19 9	1 39	10 40	10 16	20 50	20 30	11 0	16 11	2 8
S 31	22n44	10n46	2s28	17n39	4s 5	24n29	1n40	4s 1	2s16	20s 7	0n45	18n 7	1n17	23s33	0s24	19s 9	1n39	10n40	10s16	20s50	20s31	11n 2	16n12	2s 8

Julian Day Number = 2142311.5, Delta T = 15m09s
Ecliptic obliquity = 23°33'01, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'09, Lahiri = 12°03'09 Julian Calendar 1 May 1153 == Greg. Calendar 8 May 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

JUNE 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 3 29	16♊17'15	9♍17	7°R13	14♋58	25♓51	2°R51	13♌26	10°R14	2°R29	2♊29	27♎10	28♎38	16♈20	21♉45	M 1
T 2	17 7 25	17°14'27	23°19	6♊52	16°10	26°33	2♐44	13°31	10♎12	2♐27	2°30	27°R10	28°35	16°27	21°49	T 2
W 3	17 11 22	18°11'38	7♎36	6°35	17°22	27°14	2°37	13°37	10°10	2°26	2°31	27° 8	28°32	16°33	21°53	W 3
T 4	17 15 18	19° 8'49	22° 4	6°22	18°34	27°55	2°30	13°42	10° 8	2°24	2°33	27° 5	28°28	16°40	21°57	T 4
F 5	17 19 15	20° 6'00	6♏39	6°13	19°46	28°37	2°23	13°47	10° 5	2°23	2°34	27° 1	28°25	16°47	22° 1	F 5
S 6	17 23 11	21° 3'10	21°16	6° 8	20°58	29°18	2°16	13°53	10° 3	2°21	2°35	26°56	28°22	16°54	22° 5	S 6
S 7	17 27 8	22° 0'19	5♐49	6°D 8	22°10	29°59	2° 9	13°59	10° 1	2°20	2°37	26°51	28°19	17° 0	22° 9	S 7
M 8	17 31 4	22°57'28	20°10	6°13	23°22	0♈40	2° 2	14° 4	9°59	2°18	2°38	26°46	28°16	17° 7	22°13	M 8
T 9	17 35 1	23°54'38	4♑15	6°22	24°34	1°20	1°56	14°10	9°57	2°17	2°39	26°43	28°13	17°14	22°17	T 9
W10	17 38 58	24°51'46	17°58	6°36	25°46	2° 1	1°49	14°16	9°54	2°15	2°41	26°41	28° 9	17°20	22°21	W10
T 11	17 42 54	25°48'55	1♒18	6°56	26°58	2°42	1°43	14°22	9°52	2°14	2°42	26°D41	28° 6	17°27	22°25	T 11
F 12	17 46 51	26°46'04	14°16	7°20	28° 9	3°22	1°36	14°27	9°50	2°13	2°43	26°42	28° 3	17°34	22°28	F 12
S 13	17 50 47	27°43'13	26°53	7°49	29°21	4° 2	1°30	14°33	9°47	2°11	2°44	26°44	28° 0	17°41	22°32	S 13
S 14	17 54 44	28°40'23	9♓13	8°22	0♌33	4°43	1°24	14°39	9°45	2°10	2°46	26°45	27°57	17°47	22°36	S 14
M15	17 58 40	29°37'32	21°19	9° 1	1°44	5°23	1°18	14°45	9°43	2° 8	2°47	26°46	27°53	17°54	22°40	M15
T 16	18 2 37	0♋34'42	3♈16	9°44	2°56	6° 3	1°12	14°52	9°40	2° 7	2°48	26°R47	27°50	18° 1	22°44	T 16
W17	18 6 33	1°31'52	15° 9	10°32	4° 8	6°43	1° 6	14°58	9°38	2° 6	2°49	26°46	27°47	18° 7	22°47	W17
T 18	18 10 30	2°29'02	27° 3	11°25	5°19	7°22	1° 1	15° 4	9°35	2° 4	2°51	26°44	27°44	18°14	22°51	T 18
F 19	18 14 27	3°26'13	9♉ 1	12°22	6°30	8° 2	0°55	15°10	9°33	2° 3	2°52	26°41	27°41	18°21	22°55	F 19
S 20	18 18 23	4°23'25	21° 8	13°24	7°42	8°41	0°50	15°17	9°31	2° 2	2°53	26°38	27°38	18°28	22°58	S 20
S 21	18 22 20	5°20'36	3♊26	14°30	8°53	9°20	0°45	15°23	9°28	2° 0	2°54	26°35	27°34	18°34	23° 2	S 21
M22	18 26 16	6°17'49	15°58	15°41	10° 5	10° 0	0°40	15°29	9°26	1°59	2°55	26°31	27°31	18°41	23° 5	M22
T 23	18 30 13	7°15'01	28°45	16°56	11°16	10°39	0°35	15°36	9°23	1°58	2°57	26°29	27°28	18°48	23° 9	T 23
W24	18 34 9	8°12'14	11♋46	18°15	12°27	11°17	0°30	15°42	9°21	1°56	2°58	26°28	27°25	18°55	23°12	W24
T 25	18 38 6	9° 9'27	25° 3	19°39	13°38	11°56	0°25	15°49	9°19	1°55	2°59	26°D27	27°22	19° 1	23°16	T 25
F 26	18 42 2	10° 6'41	8♌33	21° 6	14°49	12°34	0°21	15°56	9°16	1°54	3° 0	26°27	27°19	19° 8	23°19	F 26
S 27	18 45 59	11° 3'55	22°15	22°38	16° 0	13°13	0°17	16° 2	9°14	1°53	3° 1	26°28	27°15	19°15	23°23	S 27
S 28	18 49 56	12° 1'08	6♍ 8	24°13	17°11	13°51	0°13	16° 9	9°11	1°52	3° 2	26°29	27°12	19°21	23°26	S 28
M29	18 53 52	12°58'22	20° 9	25°53	18°22	14°29	0° 9	16°16	9° 9	1°51	3° 3	26°30	27° 9	19°28	23°29	M29
T 30	18 57 49	13♋55'37	4♎18	27♊35	19♌33	15♈ 6	0♐ 5	16♌23	9♎ 7	1♐50	3♊ 5	26♎31	27♎ 6	19♈35	23♉32	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n50	4n54	3s28	17n29	4s12	24n23	1n41	3s45	2s17	20s 6	0n44	18n 6	1n17	23s33	0s24	19s 8	1n39	10n41	10s16	20s49	20s32	11n 5	16n13	2s 8
T 2	22 56	1s17	4 18	17 20	4 17	24 15	1 42	3 29	2 18	20 5	0 44	18 4	1 17	23 33	0 24	19 8	1 39	10 41	10 16	20 49	20 32	11 8	16 14	2 8
W 3	23 1	7 30	4 53	17 13	4 21	24 7	1 43	3 13	2 18	20 3	0 44	18 3	1 17	23 33	0 24	19 8	1 39	10 41	10 16	20 50	20 33	11 11	16 15	2 9
T 4	23 6	13 24	5 9	17 9	4 23	23 58	1 44	2 57	2 19	20 2	0 44	18 1	1 17	23 33	0 24	19 8	1 39	10 41	10 16	20 50	20 34	11 13	16 16	2 9
F 5	23 11	18 36	5 6	17 6	4 24	23 48	1 44	2 42	2 20	20 1	0 44	17 59	1 17	23 34	0 24	19 7	1 39	10 42	10 16	20 51	20 34	11 16	16 17	2 9
S 6	23 15	22 42	4 43	17 5	4 24	23 38	1 45	2 26	2 21	20 0	0 44	17 58	1 17	23 34	0 24	19 7	1 39	10 42	10 16	20 52	20 35	11 19	16 18	2 9
S 7	23 18	25 21	4 2	17 7	4 23	23 27	1 45	2 10	2 21	19 59	0 43	17 56	1 17	23 34	0 24	19 7	1 39	10 42	10 16	20 53	20 36	11 22	16 19	2 9
M 8	23 22	26 16	3 6	17 10	4 20	23 15	1 46	1 54	2 22	19 57	0 43	17 54	1 17	23 34	0 24	19 6	1 39	10 42	10 16	20 54	20 36	11 25	16 19	2 9
T 9	23 25	25 28	1 59	17 16	4 16	23 3	1 46	1 39	2 23	19 56	0 43	17 53	1 17	23 34	0 24	19 6	1 39	10 42	10 16	20 55	20 37	11 27	16 20	2 9
W10	23 27	23 7	0 47	17 23	4 12	22 50	1 47	1 23	2 24	19 55	0 43	17 51	1 17	23 35	0 24	19 6	1 39	10 43	10 16	20 55	20 38	11 30	16 21	2 10
T 11	23 29	19 33	0n25	17 32	4 6	22 37	1 47	1 8	2 24	19 54	0 43	17 49	1 17	23 35	0 24	19 6	1 39	10 43	10 16	20 55	20 38	11 33	16 22	2 10
F 12	23 31	15 7	1 35	17 42	3 59	22 23	1 47	0 52	2 25	19 53	0 43	17 48	1 17	23 35	0 24	19 5	1 39	10 43	10 16	20 55	20 39	11 36	16 23	2 10
S 13	23 32	10 8	2 38	17 54	3 51	22 8	1 47	0 37	2 26	19 52	0 42	17 46	1 17	23 35	0 24	19 5	1 39	10 43	10 16	20 54	20 39	11 38	16 24	2 10
S 14	23 33	4 53	3 32	18 8	3 43	21 52	1 47	0 21	2 26	19 51	0 42	17 44	1 17	23 35	0 24	19 5	1 38	10 43	10 16	20 54	20 40	11 41	16 24	2 10
M15	23 33	0n27	4 16	18 23	3 34	21 36	1 47	0 6	2 27	19 50	0 42	17 42	1 17	23 35	0 24	19 5	1 38	10 44	10 16	20 54	20 41	11 44	16 25	2 10
T 16	23 33	5 42	4 48	18 39	3 24	21 20	1 47	0n 9	2 27	19 49	0 42	17 40	1 17	23 36	0 24	19 4	1 38	10 44	10 17	20 54	20 41	11 47	16 26	2 11
W17	23 32	10 43	5 7	18 57	3 13	21 3	1 47	0 25	2 28	19 48	0 42	17 38	1 17	23 36	0 24	19 4	1 38	10 44	10 17	20 54	20 42	11 49	16 27	2 11
T 18	23 32	15 20	5 14	19 15	3 2	20 45	1 47	0 40	2 29	19 47	0 41	17 37	1 17	23 36	0 24	19 4	1 38	10 44	10 17	20 54	20 43	11 52	16 27	2 11
F 19	23 30	19 24	5 7	19 34	2 51	20 27	1 46	0 55	2 29	19 46	0 41	17 35	1 17	23 36	0 24	19 4	1 38	10 44	10 17	20 55	20 43	11 55	16 28	2 11
S 20	23 29	22 43	4 46	19 53	2 39	20 8	1 46	1 10	2 30	19 45	0 41	17 33	1 17	23 36	0 24	19 3	1 38	10 44	10 17	20 56	20 44	11 57	16 29	2 11
S 21	23 27	25 3	4 11	20 13	2 27	19 49	1 45	1 25	2 30	19 44	0 41	17 31	1 17	23 37	0 24	19 3	1 38	10 44	10 17	20 56	20 45	12 0	16 30	2 12
M22	23 24	26 12	3 25	20 33	2 14	19 29	1 45	1 40	2 31	19 43	0 41	17 29	1 17	23 37	0 24	19 3	1 38	10 45	10 17	20 57	20 45	12 3	16 30	2 12
T 23	23 21	25 59	2 27	20 54	2 1	19 8	1 44	1 54	2 32	19 42	0 40	17 27	1 17	23 37	0 24	19 3	1 38	10 45	10 17	20 57	20 46	12 6	16 31	2 12
W24	23 18	24 21	1 20	21 14	1 48	18 48	1 43	2 9	2 32	19 42	0 40	17 25	1 17	23 37	0 24	19 3	1 38	10 45	10 17	20 58	20 46	12 8	16 32	2 12
T 25	23 14	21 21	0 8	21 34	1 35	18 26	1 42	2 24	2 33	19 41	0 40	17 23	1 17	23 37	0 24	19 2	1 38	10 45	10 17	20 58	20 47	12 11	16 32	2 12
F 26	23 10	17 9	1s 6	21 54	1 21	18 4	1 41	2 38	2 33	19 40	0 40	17 21	1 17	23 37	0 24	19 2	1 38	10 45	10 17	20 58	20 48	12 14	16 33	2 12
S 27	23 5	11 59	2 18	22 13	1 8	17 42	1 40	2 53	2 34	19 40	0 40	17 19	1 17	23 38	0 24	19 2	1 38	10 45	10 17	20 57	20 48	12 16	16 34	2 13
S 28	23 0	6 11	3 22	22 30	0 55	17 19	1 39	3 7	2 34	19 39	0 39	17 17	1 17	23 38	0 24	19 2	1 38	10 45	10 17	20 57	20 49	12 19	16 34	2 13
M29	22 55	0 1	4 15	22 47	0 42	16 56	1 38	3 21	2 35	19 38	0 39	17 15	1 17	23 38	0 24	19 2	1 38	10 45	10 18	20 57	20 50	12 22	16 35	2 13
T 30	22n49	6s11	4s53	23n 3	0s29	16n33	1n36	3n36	2s35	19s38	0n39	17n13	1n17	23s38	0s24	19s 1	1n38	10n46	10s18	20s57	20s50	12n25	16n36	2s13

Julian Day Number = 2142342.5, Delta T = 15m09s
Ecliptic obliquity = 23°33'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'13, Lahiri = 12°03'13 Julian Calendar 1 June 1153 == Greg. Calendar 8 June 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

JULY 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 1 45	14♋52'51	18♎32	29♊22	20♌44	15♈44	0°R 1	16♌29	9°R 4	1°R48	3♊ 6	26°R31	27♑ 3	19♈42	23♉35	W 1
T 2	19 5 42	15°50'06	2♏47	1♋11	21°55	16°21	29♏58	16°36	9♑ 2	1♐47	3° 7	26♑31	26°59	19°48	23°39	T 2
F 3	19 9 38	16°47'21	17° 3	3° 4	23° 5	16°59	29°55	16°43	8°59	1°46	3° 8	26°30	26°56	19°55	23°42	F 3
S 4	19 13 35	17°44'37	1♐15	4°59	24°16	17°36	29°52	16°50	8°57	1°45	3° 9	26°29	26°53	20° 2	23°45	S 4
S 5	19 17 31	18°41'53	15°19	6°57	25°27	18°12	29°49	16°57	8°55	1°44	3°10	26°28	26°50	20° 8	23°48	S 5
M 6	19 21 28	19°39'09	29°13	8°57	26°37	18°49	29°46	17° 4	8°52	1°43	3°11	26°27	26°47	20°15	23°51	M 6
T 7	19 25 25	20°36'26	12♑54	10°58	27°48	19°25	29°43	17°11	8°50	1°42	3°12	26°27	26°44	20°22	23°54	T 7
W 8	19 29 21	21°33'44	26°19	13° 2	28°58	20° 2	29°41	17°18	8°48	1°42	3°13	26°D27	26°40	20°29	23°57	W 8
T 9	19 33 18	22°31'03	9♒26	15° 6	0♍ 8	20°38	29°39	17°25	8°45	1°41	3°14	26°27	26°37	20°35	23°59	T 9
F 10	19 37 14	23°28'22	22°16	17°11	1°18	21°13	29°37	17°32	8°43	1°40	3°15	26°27	26°34	20°42	24° 2	F 10
S 11	19 41 11	24°25'42	4♓49	19°17	2°29	21°49	29°35	17°40	8°41	1°39	3°16	26°27	26°31	20°49	24° 5	S 11
S 12	19 45 7	25°23'04	17° 7	21°23	3°39	22°24	29°33	17°47	8°38	1°38	3°17	26°27	26°28	20°56	24° 8	S 12
M13	19 49 4	26°20'26	29°14	23°29	4°49	22°59	29°32	17°54	8°36	1°37	3°17	26°R27	26°25	21° 2	24°10	M13
T 14	19 53 1	27°17'50	11♈12	25°34	5°58	23°34	29°30	18° 1	8°34	1°37	3°18	26°27	26°21	21° 9	24°13	T 14
W15	19 56 57	28°15'15	23° 5	27°39	7° 8	24° 9	29°29	18° 9	8°32	1°36	3°19	26°D27	26°18	21°16	24°15	W15
T 16	20 0 54	29°12'41	5♉ 0	29°43	8°18	24°43	29°28	18°16	8°29	1°35	3°20	26°27	26°15	21°22	24°18	T 16
F 17	20 4 50	0♌10'08	16°58	1♌47	9°28	25°17	29°27	18°23	8°27	1°35	3°21	26°28	26°12	21°29	24°20	F 17
S 18	20 8 47	1° 7'37	29° 7	3°49	10°37	25°51	29°27	18°31	8°25	1°34	3°22	26°28	26° 9	21°36	24°22	S 18
S 19	20 12 43	2° 5'07	11♊28	5°50	11°47	26°25	29°27	18°38	8°23	1°33	3°23	26°28	26° 5	21°43	24°25	S 19
M20	20 16 40	3° 2'39	24° 7	7°50	12°56	26°58	29°26	18°45	8°21	1°33	3°23	26°29	26° 2	21°49	24°27	M20
T 21	20 20 36	4° 0'12	7♋ 4	9°49	14° 6	27°31	29°D26	18°53	8°19	1°32	3°24	26°30	25°59	21°56	24°29	T 21
W22	20 24 33	4°57'46	20°22	11°46	15°15	28° 4	29°26	19° 0	8°17	1°32	3°25	26°R30	25°56	22° 3	24°31	W22
T 23	20 28 30	5°55'21	3♌59	13°42	16°24	28°36	29°27	19° 8	8°15	1°31	3°26	26°30	25°53	22°10	24°34	T 23
F 24	20 32 26	6°52'58	17°55	15°37	17°33	29° 8	29°27	19°15	8°13	1°31	3°26	26°29	25°50	22°16	24°36	F 24
S 25	20 36 23	7°50'35	2♍ 4	17°30	18°42	29°40	29°28	19°23	8°11	1°30	3°27	26°28	25°46	22°23	24°38	S 25
S 26	20 40 19	8°48'14	16°24	19°21	19°51	0♉12	29°29	19°30	8° 9	1°30	3°28	26°27	25°43	22°30	24°39	S 26
M27	20 44 16	9°45'54	0♎49	21°11	21° 0	0°43	29°30	19°38	8° 7	1°30	3°28	26°25	25°40	22°36	24°41	M27
T 28	20 48 12	10°43'35	15°14	23° 0	22° 9	1°14	29°31	19°45	8° 5	1°29	3°29	26°24	25°37	22°43	24°43	T 28
W29	20 52 9	11°41'17	29°35	24°47	23°18	1°44	29°33	19°53	8° 3	1°29	3°30	26°23	25°34	22°50	24°45	W29
T 30	20 56 5	12°39'00	13♏49	26°33	24°26	2°14	29°35	20° 0	8° 1	1°29	3°30	26°D23	25°30	22°57	24°47	T 30
F 31	21 0 2	13♌36'44	27♏53	28♌17	25♍34	2♉44	29♏36	20♌ 8	7♑59	1♐28	3♊31	26♑23	25♑27	23♈ 3	24♉48	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n43	12s 7	5s13	23n16	0s16	16n 9	1n35	3n50	2s36	19s37	0n39	17n11	1n17	23s38	0s24	19s 1	1n38	10n46	10s18	20s57	20s51	12n27	16n36	2s13
T 2	22 36	17 24	5 14	23 29	0 4	15 44	1 33	4 4	2 36	19 37	0 38	17 9	1 17	23 39	0 24	19 1	1 38	10 46	10 18	20 57	20 51	12 30	16 37	2 14
F 3	22 29	21 44	4 56	23 39	0n 8	15 20	1 32	4 17	2 37	19 36	0 38	17 7	1 17	23 39	0 24	19 1	1 38	10 46	10 18	20 57	20 52	12 33	16 37	2 14
S 4	22 22	24 45	4 20	23 47	0 19	14 54	1 30	4 31	2 37	19 36	0 38	17 5	1 17	23 39	0 24	19 1	1 38	10 46	10 18	20 57	20 53	12 35	16 38	2 14
S 5	22 14	26 11	3 28	23 52	0 30	14 29	1 28	4 45	2 37	19 35	0 38	17 3	1 17	23 39	0 24	19 1	1 38	10 46	10 18	20 57	20 53	12 38	16 38	2 14
M 6	22 6	25 58	2 25	23 55	0 40	14 3	1 26	4 58	2 38	19 35	0 38	17 0	1 17	23 39	0 24	19 1	1 38	10 46	10 18	20 58	20 54	12 41	16 39	2 14
T 7	21 58	24 9	1 14	23 55	0 50	13 37	1 24	5 12	2 38	19 35	0 37	16 58	1 17	23 39	0 24	19 0	1 38	10 46	10 18	20 58	20 54	12 43	16 40	2 15
W 8	21 49	21 0	0 1	23 53	0 59	13 10	1 22	5 25	2 39	19 34	0 37	16 56	1 17	23 40	0 24	19 0	1 38	10 46	10 19	20 58	20 55	12 46	16 40	2 15
T 9	21 40	16 50	1n11	23 48	1 7	12 44	1 20	5 38	2 39	19 34	0 37	16 54	1 17	23 40	0 24	19 0	1 37	10 46	10 19	20 58	20 56	12 49	16 41	2 15
F 10	21 30	11 58	2 18	23 40	1 15	12 16	1 18	5 51	2 39	19 34	0 37	16 52	1 17	23 40	0 24	19 0	1 37	10 46	10 19	20 58	20 56	12 51	16 41	2 15
S 11	21 20	6 44	3 17	23 30	1 21	11 49	1 16	6 4	2 40	19 34	0 37	16 50	1 17	23 40	0 24	19 0	1 37	10 46	10 19	20 58	20 57	12 54	16 41	2 15
S 12	21 10	1 21	4 5	23 17	1 27	11 21	1 13	6 17	2 40	19 33	0 36	16 47	1 17	23 40	0 24	19 0	1 37	10 46	10 19	20 58	20 58	12 57	16 42	2 16
M13	20 59	4n 0	4 42	23 1	1 32	10 53	1 11	6 30	2 40	19 33	0 36	16 45	1 17	23 40	0 24	19 0	1 37	10 46	10 19	20 58	20 58	12 59	16 42	2 16
T 14	20 48	9 8	5 6	22 42	1 37	10 25	1 8	6 43	2 40	19 33	0 36	16 43	1 17	23 40	0 24	19 0	1 37	10 46	10 19	20 58	20 59	13 2	16 43	2 16
W15	20 36	13 54	5 16	22 22	1 40	9 57	1 6	6 55	2 41	19 33	0 36	16 41	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 58	20 59	13 4	16 43	2 16
T 16	20 25	18 9	5 13	21 59	1 43	9 28	1 3	7 7	2 41	19 33	0 35	16 39	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 58	21 0	13 7	16 44	2 17
F 17	20 12	21 43	4 57	21 34	1 45	8 59	1 0	7 20	2 41	19 33	0 35	16 36	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 58	21 1	13 10	16 44	2 17
S 18	20 0	24 23	4 27	21 6	1 46	8 30	0 57	7 32	2 41	19 33	0 35	16 34	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 57	21 1	13 12	16 44	2 17
S 19	19 47	25 58	3 44	20 37	1 47	8 0	0 54	7 44	2 42	19 34	0 35	16 32	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 57	21 2	13 15	16 45	2 17
M20	19 34	26 15	2 50	20 7	1 47	7 31	0 51	7 55	2 42	19 34	0 35	16 29	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 57	21 2	13 18	16 45	2 17
T 21	19 21	25 7	1 46	19 34	1 46	7 1	0 48	8 7	2 42	19 34	0 34	16 27	1 17	23 41	0 24	18 59	1 37	10 46	10 20	20 57	21 3	13 20	16 45	2 18
W22	19 7	22 33	0 34	19 1	1 45	6 31	0 45	8 19	2 42	19 34	0 34	16 25	1 17	23 42	0 24	18 59	1 37	10 46	10 21	20 57	21 4	13 23	16 46	2 18
T 23	18 53	18 41	0s41	18 26	1 43	6 1	0 41	8 30	2 42	19 34	0 34	16 23	1 17	23 42	0 24	18 59	1 37	10 46	10 21	20 57	21 4	13 25	16 46	2 18
F 24	18 38	13 42	1 56	17 50	1 40	5 31	0 38	8 41	2 42	19 35	0 34	16 20	1 17	23 42	0 24	18 59	1 37	10 46	10 21	20 57	21 5	13 28	16 46	2 18
S 25	18 24	7 55	3 4	17 12	1 38	5 1	0 34	8 52	2 43	19 35	0 33	16 18	1 17	23 42	0 24	18 59	1 37	10 46	10 21	20 57	21 5	13 31	16 46	2 19
S 26	18 8	1 40	4 2	16 34	1 34	4 31	0 31	9 3	2 43	19 36	0 33	16 16	1 17	23 42	0 24	18 59	1 37	10 46	10 21	20 58	21 6	13 33	16 47	2 19
M27	17 53	4s41	4 45	15 56	1 30	4 0	0 27	9 14	2 43	19 36	0 33	16 13	1 17	23 42	0 24	18 59	1 36	10 46	10 21	20 58	21 6	13 36	16 47	2 19
T 28	17 38	10 47	5 10	15 16	1 26	3 29	0 24	9 25	2 43	19 36	0 33	16 11	1 17	23 42	0 24	18 59	1 36	10 46	10 22	20 58	21 7	13 38	16 47	2 19
W29	17 22	16 17	5 15	14 36	1 21	2 59	0 20	9 35	2 43	19 37	0 33	16 9	1 17	23 42	0 24	18 59	1 36	10 46	10 22	20 58	21 8	13 41	16 47	2 20
T 30	17 5	20 50	5 1	13 55	1 16	2 28	0 16	9 46	2 43	19 38	0 32	16 6	1 17	23 42	0 24	18 59	1 36	10 46	10 22	20 58	21 8	13 43	16 47	2 20
F 31	16n49	24s 9	4s29	13n14	1n11	1n57	0n12	9n56	2s43	19s38	0n32	16n 4	1n17	23s43	0s24	18s59	1n36	10n46	10s22	20s58	21s 9	13n46	16n47	2s20

Julian Day Number = 2142372.5, Delta T = 15m09s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'17, Lahiri = 12°03'17 Julian Calendar 1 July 1153 == Greg. Calendar 8 July 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

AUGUST 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 59	14♌34'30	11♐46	0♍ 0	26♍43	3♉14	29♏38	20♌15	7°R57	1°R28	3♊31	26♂24	25♂24	23♈10	24♉50	S 1
S 2	21 7 55	15°32'16	25°26	1°42	27°51	3°43	29°41	20°23	7♂56	1♐28	3°32	26°26	25°21	23°17	24°51	S 2
M 3	21 11 52	16°30'04	8♂54	3°22	28°59	4°11	29°43	20°31	7°54	1°28	3°32	26°27	25°18	23°23	24°53	M 3
T 4	21 15 48	17°27'53	22° 9	5° 0	0♎ 7	4°40	29°46	20°38	7°52	1°28	3°33	26°R28	25°15	23°30	24°54	T 4
W 5	21 19 45	18°25'44	5♒11	6°38	1°15	5° 8	29°48	20°46	7°51	1°28	3°33	26°27	25°11	23°37	24°55	W 5
T 6	21 23 41	19°23'36	18° 0	8°14	2°23	5°35	29°51	20°53	7°49	1°28	3°34	26°26	25° 8	23°44	24°57	T 6
F 7	21 27 38	20°21'29	0♓37	9°48	3°30	6° 3	29°54	21° 1	7°47	1°D28	3°34	26°24	25° 5	23°50	24°58	F 7
S 8	21 31 34	21°19'24	13° 1	11°22	4°38	6°29	29°58	21° 8	7°46	1°28	3°35	26°20	25° 2	23°57	24°59	S 8
S 9	21 35 31	22°17'21	25°13	12°54	5°45	6°56	0♐ 1	21°16	7°44	1°28	3°35	26°16	24°59	24° 4	25° 0	S 9
M10	21 39 28	23°15'20	7♈17	14°24	6°52	7°22	0° 5	21°24	7°43	1°28	3°36	26°11	24°56	24°11	25° 1	M10
T 11	21 43 24	24°13'20	19°13	15°54	7°59	7°47	0° 8	21°31	7°41	1°28	3°36	26° 7	24°52	24°17	25° 2	T 11
W12	21 47 21	25°11'22	1♉ 6	17°21	9° 6	8°12	0°12	21°39	7°40	1°28	3°36	26° 4	24°49	24°24	25° 3	W12
T 13	21 51 17	26° 9'27	12°59	18°48	10°13	8°37	0°16	21°46	7°39	1°28	3°37	26° 2	24°46	24°31	25° 4	T 13
F 14	21 55 14	27° 7'33	24°56	20°13	11°19	9° 1	0°21	21°54	7°37	1°29	3°37	26°D 1	24°43	24°37	25° 4	F 14
S 15	21 59 10	28° 5'41	7♊ 2	21°37	12°26	9°24	0°25	22° 2	7°36	1°29	3°37	26° 1	24°40	24°44	25° 5	S 15
S 16	22 3 7	29° 3'52	19°23	22°59	13°32	9°48	0°30	22° 9	7°35	1°29	3°37	26° 2	24°36	24°51	25° 6	S 16
M17	22 7 3	0♍ 2'04	2♋ 1	24°20	14°38	10°10	0°35	22°17	7°34	1°29	3°38	26° 4	24°33	24°58	25° 6	M17
T 18	22 11 0	1° 0'19	15° 2	25°39	15°44	10°32	0°40	22°24	7°33	1°30	3°38	26° 5	24°30	25° 4	25° 7	T 18
W19	22 14 57	1°58'35	28°27	26°57	16°50	10°54	0°45	22°32	7°32	1°30	3°38	26°R 6	24°27	25°11	25° 7	W19
T 20	22 18 53	2°56'53	12♌18	28°13	17°56	11°15	0°50	22°39	7°31	1°31	3°38	26° 5	24°24	25°18	25° 8	T 20
F 21	22 22 50	3°55'14	26°32	29°28	19° 1	11°35	0°55	22°47	7°30	1°31	3°38	26° 2	24°21	25°25	25° 8	F 21
S 22	22 26 46	4°53'36	11♍ 6	0♎41	20° 6	11°55	1° 1	22°54	7°29	1°31	3°39	25°57	24°17	25°31	25° 8	S 22
S 23	22 30 43	5°52'00	25°53	1°52	21°12	12°14	1° 7	23° 2	7°28	1°32	3°39	25°52	24°14	25°38	25° 8	S 23
M24	22 34 39	6°50'25	10♎45	3° 1	22°17	12°33	1°13	23° 9	7°27	1°33	3°39	25°46	24°11	25°45	25° 8	M24
T 25	22 38 36	7°48'53	25°34	4° 8	23°21	12°51	1°19	23°17	7°26	1°33	3°39	25°40	24° 8	25°51	25°R 8	T 25
W26	22 42 32	8°47'22	10♏12	5°12	24°26	13° 8	1°25	23°24	7°25	1°34	3°39	25°35	24° 5	25°58	25° 8	W26
T 27	22 46 29	9°45'53	24°34	6°15	25°30	13°25	1°31	23°31	7°25	1°34	3°39	25°32	24° 2	26° 5	25° 8	T 27
F 28	22 50 25	10°44'26	8♐38	7°15	26°34	13°41	1°38	23°39	7°24	1°35	3°R39	25°D31	23°58	26°12	25° 8	F 28
S 29	22 54 22	11°43'00	22°22	8°13	27°38	13°57	1°45	23°46	7°23	1°36	3°39	25°32	23°55	26°18	25° 8	S 29
S 30	22 58 19	12°41'36	5♑48	9° 8	28°42	14°12	1°51	23°54	7°23	1°36	3°39	25°33	23°52	26°25	25° 8	S 30
M31	23 2 15	13♍40'13	18♑56	9♎59	29♎45	14♉26	1♐58	24♌ 1	7♑22	1♐37	3♊39	25°R34	23♑49	26♈32	25♉ 7	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n32	25s58	3s42	12n32	1n 5	1n26	0n 8	10n 6	2s43	19s39	0n32	16n 2	1n18	23s43	0s24	18s59	1n36	10n46	10s22	20s58	21s 9	13n49	16n48	2s20
S 2	16 15	26 11	2 43	11 50	0 59	0 55	0 4	10 16	2 43	19 39	0 32	15 59	1 18	23 43	0 24	18 59	1 36	10 46	10 22	20 58	21 10	13 51	16 48	2 21
M 3	15 58	24 50	1 35	11 8	0 53	0 25	0 0	10 25	2 43	19 40	0 32	15 57	1 18	23 43	0 24	18 59	1 36	10 46	10 23	20 58	21 11	13 54	16 48	2 21
T 4	15 40	22 7	0 24	10 26	0 46	0s 6	0s 4	10 35	2 43	19 41	0 31	15 54	1 18	23 43	0 24	18 59	1 36	10 46	10 23	20 58	21 11	13 56	16 48	2 21
W 5	15 22	18 17	0n48	9 43	0 39	0 37	0 8	10 44	2 43	19 42	0 31	15 52	1 18	23 43	0 24	18 59	1 36	10 46	10 23	20 58	21 12	13 59	16 48	2 21
T 6	15 4	13 40	1 56	9 1	0 32	1 8	0 12	10 54	2 42	19 43	0 31	15 50	1 18	23 43	0 24	18 59	1 36	10 46	10 23	20 58	21 12	14 1	16 48	2 22
F 7	14 46	8 33	2 57	8 18	0 25	1 39	0 17	11 3	2 42	19 43	0 31	15 47	1 18	23 43	0 24	18 59	1 36	10 45	10 23	20 58	21 13	14 4	16 48	2 22
S 8	14 28	3 12	3 48	7 36	0 17	2 10	0 21	11 12	2 42	19 44	0 31	15 45	1 18	23 43	0 24	18 59	1 36	10 45	10 23	20 59	21 13	14 6	16 48	2 22
S 9	14 9	2n12	4 28	6 54	0 9	2 41	0 26	11 20	2 42	19 45	0 30	15 43	1 18	23 43	0 24	18 59	1 36	10 45	10 24	21 0	21 14	14 9	16 48	2 22
M10	13 50	7 26	4 56	6 11	0 2	3 12	0 30	11 29	2 42	19 46	0 30	15 40	1 18	23 44	0 24	18 59	1 36	10 45	10 24	21 1	21 15	14 12	16 48	2 23
T 11	13 31	12 20	5 10	5 29	0s 6	3 43	0 35	11 38	2 41	19 47	0 30	15 38	1 18	23 44	0 24	18 59	1 36	10 45	10 24	21 1	21 15	14 14	16 48	2 23
W12	13 11	16 46	5 11	4 48	0 15	4 13	0 39	11 46	2 41	19 48	0 30	15 35	1 18	23 44	0 24	18 59	1 36	10 45	10 24	21 2	21 16	14 17	16 48	2 23
T 13	12 51	20 33	4 59	4 6	0 23	4 44	0 44	11 54	2 41	19 49	0 29	15 33	1 18	23 44	0 24	19 0	1 36	10 45	10 24	21 2	21 16	14 19	16 48	2 23
F 14	12 32	23 31	4 34	3 25	0 31	5 14	0 48	12 2	2 41	19 50	0 29	15 31	1 18	23 44	0 24	19 0	1 35	10 45	10 25	21 3	21 17	14 22	16 48	2 24
S 15	12 11	25 28	3 56	2 44	0 40	5 45	0 53	12 10	2 40	19 52	0 29	15 28	1 19	23 44	0 24	19 0	1 35	10 45	10 25	21 3	21 17	14 24	16 48	2 24
S 16	11 51	26 14	3 7	2 4	0 48	6 15	0 58	12 17	2 40	19 53	0 29	15 26	1 19	23 44	0 24	19 0	1 35	10 44	10 25	21 2	21 18	14 27	16 48	2 24
M17	11 31	25 40	2 8	1 24	0 57	6 45	1 3	12 25	2 40	19 54	0 29	15 23	1 19	23 44	0 24	19 0	1 35	10 44	10 25	21 2	21 19	14 29	16 48	2 24
T 18	11 10	23 42	1 0	0 44	1 5	7 16	1 8	12 32	2 39	19 55	0 29	15 21	1 19	23 44	0 24	19 0	1 35	10 44	10 25	21 2	21 19	14 32	16 48	2 25
W19	10 49	20 21	0s13	0 5	1 14	7 45	1 12	12 39	2 39	19 56	0 28	15 19	1 19	23 44	0 24	19 0	1 35	10 44	10 25	21 2	21 20	14 34	16 47	2 25
T 20	10 28	15 48	1 27	0s33	1 23	8 15	1 17	12 46	2 38	19 58	0 28	15 16	1 19	23 44	0 24	19 0	1 35	10 44	10 26	21 2	21 20	14 37	16 47	2 25
F 21	10 7	10 15	2 38	1 11	1 31	8 45	1 22	12 53	2 38	19 59	0 28	15 14	1 19	23 44	0 24	19 1	1 35	10 44	10 26	21 2	21 21	14 39	16 47	2 25
S 22	9 46	4 3	3 40	1 48	1 40	9 14	1 27	12 59	2 37	20 0	0 28	15 11	1 19	23 44	0 24	19 1	1 35	10 43	10 26	21 3	21 21	14 42	16 47	2 26
S 23	9 24	2s27	4 28	2 24	1 48	9 44	1 32	13 6	2 37	20 2	0 28	15 9	1 19	23 44	0 24	19 1	1 35	10 43	10 26	21 4	21 22	14 44	16 47	2 26
M24	9 2	8 51	4 59	2 59	1 57	10 13	1 37	13 12	2 36	20 3	0 27	15 7	1 19	23 44	0 24	19 1	1 35	10 43	10 26	21 5	21 23	14 47	16 46	2 26
T 25	8 41	14 43	5 9	3 34	2 5	10 42	1 42	13 18	2 35	20 5	0 27	15 4	1 19	23 44	0 24	19 1	1 35	10 43	10 27	21 7	21 23	14 49	16 46	2 26
W26	8 19	19 40	4 59	4 7	2 14	11 10	1 47	13 24	2 35	20 6	0 27	15 2	1 20	23 44	0 24	19 1	1 35	10 43	10 27	21 7	21 24	14 51	16 46	2 27
T 27	7 57	23 22	4 30	4 40	2 22	11 39	1 52	13 29	2 34	20 7	0 27	15 0	1 20	23 44	0 24	19 2	1 35	10 43	10 27	21 8	21 24	14 54	16 46	2 27
F 28	7 34	25 34	3 46	5 11	2 30	12 7	1 57	13 35	2 33	20 9	0 27	14 57	1 20	23 44	0 24	19 2	1 35	10 42	10 27	21 8	21 25	14 56	16 45	2 27
S 29	7 12	26 9	2 49	5 41	2 38	12 35	2 2	13 40	2 33	20 10	0 26	14 55	1 20	23 44	0 24	19 2	1 35	10 42	10 27	21 8	21 25	14 59	16 45	2 27
S 30	6 50	25 10	1 45	6 10	2 46	13 3	2 7	13 45	2 32	20 12	0 26	14 53	1 20	23 44	0 24	19 2	1 35	10 42	10 27	21 8	21 26	15 1	16 45	2 28
M31	6n27	22s48	0s36	6s37	2s53	13s30	2s13	13n50	2s31	20s14	0n26	14n50	1n20	23s44	0s24	19s 2	1n34	10n42	10s28	21s 8	21s26	15n 4	16n44	2s28

Julian Day Number = 2142403.5, Delta T = 15m09s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'21, Lahiri = 12°03'22 Julian Calendar 1 Aug. 1153 == Greg. Calendar 8 Aug. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

SEPTEMBER 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 12	14♍38'53	1♒51	10♎48	0♏48	14♉40	2♐ 5	24♌ 8	7°R22	1♐38	3°R39	25°R34	23♑46	26♈38	25°R 7	T 1
W 2	23 10 8	15°37'34	14°32	11°33	1°51	14°52	2°13	24°15	7♑21	1°39	3♊39	25♑32	23°42	26°45	25♉ 6	W 2
T 3	23 14 5	16°36'17	27° 3	12°15	2°54	15° 4	2°20	24°23	7°21	1°40	3°38	25°28	23°39	26°52	25° 6	T 3
F 4	23 18 1	17°35'02	9♓24	12°52	3°56	15°16	2°28	24°30	7°21	1°41	3°38	25°22	23°36	26°59	25° 5	F 4
S 5	23 21 58	18°33'48	21°37	13°25	4°58	15°26	2°35	24°37	7°20	1°42	3°38	25°13	23°33	27° 5	25° 4	S 5
S 6	23 25 54	19°32'37	3♈42	13°54	6° 0	15°36	2°43	24°44	7°20	1°42	3°38	25° 3	23°30	27°12	25° 4	S 6
M 7	23 29 51	20°31'28	15°41	14°17	7° 2	15°45	2°51	24°51	7°20	1°43	3°38	24°52	23°27	27°19	25° 3	M 7
T 8	23 33 48	21°30'21	27°35	14°35	8° 3	15°54	2°59	24°58	7°20	1°44	3°37	24°42	23°23	27°26	25° 2	T 8
W 9	23 37 44	22°29'16	9♉26	14°47	9° 4	16° 1	3° 7	25° 5	7°20	1°46	3°37	24°33	23°20	27°32	25° 1	W 9
T 10	23 41 41	23°28'14	21°18	14°R52	10° 4	16° 8	3°15	25°12	7°D20	1°47	3°37	24°26	23°17	27°39	25° 0	T 10
F 11	23 45 37	24°27'14	3♊13	14°51	11° 5	16°14	3°24	25°19	7°20	1°48	3°37	24°21	23°14	27°46	24°59	F 11
S 12	23 49 34	25°26'16	15°16	14°43	12° 4	16°19	3°32	25°26	7°20	1°49	3°36	24°18	23°11	27°52	24°58	S 12
S 13	23 53 30	26°25'21	27°32	14°27	13° 4	16°23	3°41	25°33	7°20	1°50	3°36	24°D18	23° 8	27°59	24°56	S 13
M14	23 57 27	27°24'28	10♋ 6	14° 4	14° 3	16°27	3°50	25°40	7°20	1°51	3°36	24°18	23° 4	28° 6	24°55	M14
T 15	0 1 23	28°23'37	23° 3	13°32	15° 2	16°29	3°59	25°47	7°20	1°52	3°35	24°R19	23° 1	28°13	24°54	T 15
W16	0 5 20	29°22'49	6♌26	12°53	16° 0	16°31	4° 8	25°54	7°21	1°54	3°35	24°18	22°58	28°19	24°52	W16
T 17	0 9 17	0♎22'03	20°18	12° 7	16°58	16°R32	4°17	26° 0	7°21	1°55	3°34	24°15	22°55	28°26	24°51	T 17
F 18	0 13 13	1°21'19	4♍39	11°13	17°56	16°32	4°26	26° 7	7°21	1°56	3°34	24°10	22°52	28°33	24°49	F 18
S 19	0 17 10	2°20'38	19°25	10°13	18°53	16°31	4°36	26°14	7°22	1°58	3°34	24° 3	22°48	28°39	24°48	S 19
S 20	0 21 6	3°19'58	4♎30	9° 8	19°49	16°29	4°45	26°20	7°22	1°59	3°33	23°53	22°45	28°46	24°46	S 20
M21	0 25 3	4°19'21	19°43	7°58	20°46	16°26	4°55	26°27	7°23	2° 0	3°33	23°43	22°42	28°53	24°44	M21
T 22	0 28 59	5°18'46	4♏54	6°47	21°41	16°22	5° 5	26°33	7°23	2° 2	3°32	23°32	22°39	29° 0	24°43	T 22
W23	0 32 56	6°18'12	19°53	5°35	22°36	16°17	5°15	26°40	7°24	2° 3	3°31	23°24	22°36	29° 6	24°41	W23
T 24	0 36 52	7°17'41	4♐31	4°25	23°31	16°12	5°25	26°46	7°25	2° 5	3°31	23°18	22°33	29°13	24°39	T 24
F 25	0 40 49	8°17'11	18°44	3°18	24°25	16° 5	5°35	26°53	7°25	2° 6	3°30	23°14	22°29	29°20	24°37	F 25
S 26	0 44 46	9°16'44	2♑31	2°17	25°19	15°58	5°45	26°59	7°26	2° 8	3°30	23°13	22°26	29°27	24°35	S 26
S 27	0 48 42	10°16'18	15°53	1°24	26°12	15°50	5°55	27° 5	7°27	2° 9	3°29	23°13	22°23	29°33	24°33	S 27
M28	0 52 39	11°15'53	28°54	0°39	27° 4	15°41	6° 5	27°11	7°28	2°11	3°29	23°13	22°20	29°40	24°31	M28
T 29	0 56 35	12°15'31	11♒36	0° 4	27°55	15°31	6°16	27°17	7°29	2°12	3°28	23°12	22°17	29°47	24°29	T 29
W30	1 0 32	13♎15'10	24♒ 5	29♍41	28♏46	15♉20	6♐26	27♌23	7♑30	2♐14	3♊27	23♑ 8	22♑13	29♈53	24♉27	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 4	19s18	0n34	7s 3	3s 0	13s57	2s18	13n55	2s30	20s15	0n26	14n48	1n20	23s45	0s24	19s 3	1n34	10n42	10s28	21s 8	21s27	15n 6	16n44	2s28
W 2	5 42	14 57	1 40	7 27	3 7	14 24	2 23	14 0	2 29	20 17	0 26	14 46	1 20	23 45	0 24	19 3	1 34	10 41	10 28	21 8	21 28	15 9	16 44	2 28
T 3	5 19	10 2	2 41	7 49	3 13	14 51	2 28	14 4	2 28	20 18	0 26	14 43	1 20	23 45	0 24	19 3	1 34	10 41	10 28	21 9	21 28	15 11	16 43	2 29
F 4	4 56	4 48	3 33	8 10	3 19	15 17	2 33	14 8	2 27	20 20	0 25	14 41	1 21	23 45	0 24	19 3	1 34	10 41	10 28	21 10	21 29	15 13	16 43	2 29
S 5	4 33	0n33	4 14	8 28	3 25	15 43	2 38	14 12	2 26	20 22	0 25	14 39	1 21	23 45	0 24	19 4	1 34	10 41	10 29	21 11	21 29	15 16	16 43	2 29
S 6	4 10	5 49	4 44	8 43	3 30	16 9	2 43	14 16	2 25	20 23	0 25	14 36	1 21	23 45	0 24	19 4	1 34	10 41	10 29	21 13	21 30	15 18	16 42	2 29
M 7	3 46	10 49	5 0	8 56	3 34	16 34	2 48	14 20	2 24	20 25	0 25	14 34	1 21	23 45	0 24	19 4	1 34	10 40	10 29	21 15	21 30	15 21	16 42	2 30
T 8	3 23	15 23	5 4	9 7	3 37	16 59	2 53	14 24	2 23	20 27	0 25	14 32	1 21	23 45	0 24	19 4	1 34	10 40	10 29	21 17	21 31	15 23	16 41	2 30
W 9	3 0	19 21	4 54	9 14	3 40	17 23	2 58	14 27	2 22	20 29	0 24	14 30	1 21	23 45	0 24	19 5	1 34	10 40	10 29	21 19	21 31	15 26	16 41	2 30
T 10	2 36	22 32	4 32	9 17	3 42	17 48	3 3	14 30	2 20	20 30	0 24	14 27	1 21	23 45	0 24	19 5	1 34	10 40	10 29	21 20	21 32	15 28	16 40	2 30
F 11	2 13	24 47	3 58	9 18	3 42	18 11	3 8	14 33	2 19	20 32	0 24	14 25	1 21	23 44	0 24	19 5	1 34	10 40	10 30	21 21	21 32	15 30	16 40	2 31
S 12	1 49	25 55	3 12	9 14	3 42	18 35	3 13	14 36	2 18	20 34	0 24	14 23	1 22	23 44	0 24	19 5	1 34	10 39	10 30	21 21	21 33	15 33	16 39	2 31
S 13	1 26	25 49	2 18	9 6	3 40	18 58	3 17	14 38	2 16	20 36	0 24	14 21	1 22	23 44	0 24	19 6	1 34	10 39	10 30	21 21	21 33	15 35	16 39	2 31
M14	1 2	24 25	1 15	8 54	3 37	19 21	3 22	14 41	2 15	20 38	0 24	14 18	1 22	23 44	0 24	19 6	1 34	10 39	10 30	21 21	21 34	15 37	16 38	2 31
T 15	0 39	21 41	0 7	8 37	3 32	19 43	3 27	14 43	2 13	20 39	0 23	14 16	1 22	23 44	0 24	19 6	1 34	10 39	10 30	21 21	21 35	15 40	16 38	2 32
W16	0 15	17 43	1s 4	8 15	3 25	20 5	3 32	14 45	2 12	20 41	0 23	14 14	1 22	23 44	0 24	19 7	1 34	10 38	10 31	21 21	21 35	15 42	16 37	2 32
T 17	0s 9	12 41	2 14	7 49	3 16	20 26	3 36	14 46	2 10	20 43	0 23	14 12	1 22	23 44	0 24	19 7	1 34	10 38	10 31	21 22	21 36	15 45	16 36	2 32
F 18	0 32	6 48	3 17	7 18	3 6	20 47	3 41	14 48	2 9	20 45	0 23	14 10	1 22	23 44	0 24	19 7	1 33	10 38	10 31	21 23	21 36	15 47	16 36	2 32
S 19	0 56	0 24	4 9	6 43	2 54	21 7	3 45	14 49	2 7	20 47	0 23	14 8	1 23	23 44	0 24	19 7	1 33	10 38	10 31	21 24	21 37	15 49	16 35	2 33
S 20	1 20	6s 9	4 45	6 4	2 39	21 28	3 50	14 51	2 5	20 49	0 23	14 6	1 23	23 44	0 24	19 8	1 33	10 37	10 31	21 26	21 37	15 52	16 35	2 33
M21	1 44	12 23	5 1	5 22	2 24	21 47	3 54	14 52	2 3	20 51	0 23	14 3	1 23	23 44	0 24	19 8	1 33	10 37	10 31	21 28	21 38	15 54	16 34	2 33
T 22	2 7	17 51	4 56	4 38	2 6	22 6	3 58	14 52	2 1	20 53	0 22	14 1	1 23	23 44	0 24	19 8	1 33	10 37	10 31	21 29	21 38	15 56	16 33	2 33
W23	2 31	22 7	4 30	3 52	1 47	22 25	4 3	14 53	1 59	20 55	0 22	13 59	1 23	23 44	0 24	19 9	1 33	10 37	10 32	21 31	21 39	15 59	16 33	2 34
T 24	2 54	24 52	3 48	3 6	1 27	22 43	4 7	14 53	1 57	20 57	0 22	13 57	1 23	23 44	0 24	19 9	1 33	10 36	10 32	21 32	21 39	16 1	16 32	2 34
F 25	3 18	25 55	2 52	2 20	1 7	23 1	4 11	14 53	1 55	20 58	0 22	13 55	1 24	23 44	0 24	19 9	1 33	10 36	10 32	21 32	21 40	16 3	16 31	2 34
S 26	3 42	25 19	1 47	1 37	0 46	23 18	4 15	14 53	1 53	21 0	0 22	13 53	1 24	23 44	0 24	19 10	1 33	10 36	10 32	21 33	21 40	16 6	16 31	2 34
S 27	4 5	23 14	0 39	0 57	0 26	23 35	4 19	14 53	1 51	21 2	0 22	13 51	1 24	23 44	0 24	19 10	1 33	10 36	10 32	21 33	21 41	16 8	16 30	2 34
M28	4 29	19 59	0n30	0 21	0 6	23 51	4 22	14 53	1 49	21 4	0 21	13 49	1 24	23 44	0 24	19 10	1 33	10 35	10 32	21 33	21 41	16 10	16 29	2 35
T 29	4 52	15 51	1 36	0n10	0n13	24 6	4 26	14 52	1 46	21 6	0 21	13 47	1 24	23 44	0 24	19 11	1 33	10 35	10 33	21 33	21 42	16 13	16 28	2 35
W30	5s15	11s 7	2n35	0n36	0n31	24s21	4s29	14n51	1s44	21s 8	0n21	13n45	1n24	23s44	0s24	19s11	1n33	10n35	10s33	21s33	21s42	16n15	16n28	2s35

Julian Day Number = 2142434.5, Delta T = 15m09s
Ecliptic obliquity = 23°33'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'26, Lahiri = 12°03'26 Julian Calendar 1 Sept. 1153 == Greg. Calendar 8 Sept. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

OCTOBER 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 28	14♎14'51	6♓22	29°R28	29♏37	15°R 9	6♐37	27♑29	7♑31	2♐16	3°R26	23°R 2	22♑10	0♉ 0	24°R24	T 1
F 2	1 8 25	15°14'34	18°30	29°D27	0♐26	14♉56	6°48	27°35	7°32	2°17	3♊26	22♑53	22° 7	0° 7	24♉22	F 2
S 3	1 12 21	16°14'19	0♈33	29♍36	1°15	14°43	6°59	27°41	7°33	2°19	3°25	22°41	22° 4	0°14	24°20	S 3
S 4	1 16 18	17°14'05	12°31	29°56	2° 3	14°29	7°10	27°47	7°34	2°21	3°24	22°27	22° 1	0°20	24°17	S 4
M 5	1 20 14	18°13'54	24°25	0♎27	2°50	14°14	7°21	27°53	7°36	2°22	3°24	22°12	21°58	0°27	24°15	M 5
T 6	1 24 11	19°13'45	6♉17	1° 6	3°36	13°59	7°32	27°59	7°37	2°24	3°23	21°58	21°54	0°34	24°12	T 6
W 7	1 28 8	20°13'37	18° 9	1°54	4°21	13°43	7°43	28° 4	7°38	2°26	3°22	21°45	21°51	0°40	24°10	W 7
T 8	1 32 4	21°13'32	0♊ 2	2°49	5° 6	13°26	7°54	28°10	7°40	2°28	3°21	21°34	21°48	0°47	24° 7	T 8
F 9	1 36 1	22°13'30	11°59	3°51	5°49	13° 9	8° 6	28°15	7°41	2°30	3°20	21°27	21°45	0°54	24° 5	F 9
S 10	1 39 57	23°13'29	24° 3	4°58	6°31	12°50	8°17	28°21	7°42	2°31	3°20	21°22	21°42	1° 1	24° 2	S 10
S 11	1 43 54	24°13'30	6♋17	6°11	7°13	12°32	8°29	28°26	7°44	2°33	3°19	21°20	21°39	1° 7	23°59	S 11
M12	1 47 50	25°13'34	18°47	7°28	7°53	12°13	8°40	28°31	7°46	2°35	3°18	21°20	21°35	1°14	23°56	M12
T 13	1 51 47	26°13'40	1♌38	8°49	8°32	11°53	8°52	28°36	7°47	2°37	3°17	21°19	21°32	1°21	23°54	T 13
W14	1 55 43	27°13'48	14°53	10°13	9°10	11°33	9° 4	28°42	7°49	2°39	3°16	21°19	21°29	1°28	23°51	W14
T 15	1 59 40	28°13'58	28°37	11°40	9°47	11°12	9°16	28°47	7°51	2°41	3°15	21°16	21°26	1°34	23°48	T 15
F 16	2 3 37	29°14'10	12♍50	13° 8	10°22	10°51	9°28	28°52	7°52	2°43	3°14	21°11	21°23	1°41	23°45	F 16
S 17	2 7 33	0♏14'24	27°32	14°39	10°56	10°30	9°40	28°57	7°54	2°45	3°13	21° 3	21°19	1°48	23°42	S 17
S 18	2 11 30	1°14'40	12♎37	16°11	11°29	10° 8	9°52	29° 1	7°56	2°47	3°12	20°53	21°16	1°54	23°39	S 18
M19	2 15 26	2°14'59	27°55	17°44	12° 0	9°47	10° 4	29° 6	7°58	2°49	3°11	20°41	21°13	2° 1	23°36	M19
T 20	2 19 23	3°15'19	13♏16	19°18	12°30	9°25	10°16	29°11	8° 0	2°51	3°10	20°30	21°10	2° 8	23°33	T 20
W21	2 23 19	4°15'40	28°28	20°53	12°58	9° 3	10°28	29°15	8° 2	2°53	3° 9	20°21	21° 7	2°15	23°30	W21
T 22	2 27 16	5°16'04	13♐21	22°28	13°25	8°41	10°41	29°20	8° 4	2°55	3° 8	20°14	21° 4	2°21	23°27	T 22
F 23	2 31 12	6°16'29	27°48	24° 4	13°49	8°19	10°53	29°24	8° 6	2°57	3° 7	20° 9	21° 0	2°28	23°24	F 23
S 24	2 35 9	7°16'55	11♑46	25°40	14°13	7°57	11° 5	29°29	8° 8	2°59	3° 6	20° 8	20°57	2°35	23°21	S 24
S 25	2 39 6	8°17'23	25°15	27°17	14°34	7°35	11°18	29°33	8°10	3° 1	3° 5	20°D 8	20°54	2°41	23°18	S 25
M26	2 43 2	9°17'52	8♒18	28°53	14°53	7°14	11°31	29°37	8°12	3° 3	3° 4	20°R 8	20°51	2°48	23°14	M26
T 27	2 46 59	10°18'23	20°59	0♏29	15°11	6°52	11°43	29°41	8°15	3° 5	3° 3	20° 7	20°48	2°55	23°11	T 27
W28	2 50 55	11°18'54	3♓23	2° 5	15°26	6°31	11°56	29°45	8°17	3° 7	3° 2	20° 5	20°45	3° 2	23° 8	W28
T 29	2 54 52	12°19'27	15°33	3°42	15°39	6°10	12° 9	29°49	8°19	3°10	3° 1	20° 0	20°41	3° 8	23° 5	T 29
F 30	2 58 48	13°20'02	27°35	5°18	15°50	5°50	12°21	29°53	8°22	3°12	3° 0	19°52	20°38	3°15	23° 1	F 30
S 31	3 2 45	14♏20'37	9♈31	6♏54	15♐59	5♉30	12♐34	29♑56	8♑24	3♐14	2♊59	19♑42	20♑35	3♉22	22♉58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s39	6s 1	3n27	0n56	0n47	24s36	4s33	14n50	1s42	21s10	0n21	13n43	1n25	23s44	0s23	19s12	1n33	10n35	10s33	21s34	21s43	16n17	16n27	2s35
F 2	6 2	0 46	4 8	1 10	1 2	24 50	4 36	14 49	1 39	21 12	0 21	13 41	1 25	23 44	0 23	19 12	1 33	10 34	10 33	21 36	21 43	16 20	16 26	2 36
S 3	6 25	4n27	4 38	1 19	1 16	25 3	4 39	14 48	1 36	21 14	0 21	13 40	1 25	23 43	0 23	19 12	1 33	10 34	10 33	21 38	21 44	16 22	16 25	2 36
S 4	6 48	9 29	4 55	1 21	1 27	25 16	4 42	14 46	1 34	21 16	0 21	13 38	1 25	23 43	0 23	19 13	1 33	10 34	10 33	21 40	21 45	16 24	16 25	2 36
M 5	7 11	14 8	4 59	1 19	1 37	25 29	4 45	14 44	1 31	21 18	0 20	13 36	1 25	23 43	0 23	19 13	1 33	10 34	10 33	21 43	21 45	16 26	16 24	2 36
T 6	7 34	18 14	4 50	1 11	1 46	25 40	4 48	14 42	1 28	21 20	0 20	13 34	1 25	23 43	0 23	19 13	1 33	10 33	10 33	21 45	21 46	16 29	16 23	2 36
W 7	7 56	21 37	4 29	0 58	1 53	25 52	4 50	14 40	1 26	21 22	0 20	13 32	1 26	23 43	0 23	19 14	1 33	10 33	10 34	21 47	21 46	16 31	16 22	2 37
T 8	8 19	24 5	3 55	0 41	1 58	26 2	4 53	14 38	1 23	21 24	0 20	13 31	1 26	23 43	0 23	19 14	1 33	10 33	10 34	21 49	21 47	16 33	16 21	2 37
F 9	8 42	25 30	3 12	0 20	2 3	26 12	4 55	14 35	1 20	21 26	0 20	13 29	1 26	23 43	0 23	19 15	1 33	10 33	10 34	21 50	21 47	16 36	16 20	2 37
S 10	9 4	25 43	2 19	0s 4	2 6	26 22	4 57	14 33	1 17	21 28	0 20	13 27	1 26	23 43	0 23	19 15	1 32	10 32	10 34	21 51	21 48	16 38	16 20	2 37
S 11	9 26	24 43	1 19	0 31	2 7	26 31	4 58	14 30	1 14	21 30	0 20	13 25	1 26	23 43	0 23	19 15	1 32	10 32	10 34	21 51	21 48	16 40	16 19	2 37
M12	9 48	22 27	0 13	1 1	2 8	26 39	5 0	14 27	1 11	21 32	0 20	13 24	1 27	23 43	0 23	19 16	1 32	10 32	10 34	21 51	21 49	16 42	16 18	2 38
T 13	10 10	19 0	0s54	1 33	2 8	26 47	5 1	14 24	1 8	21 34	0 19	13 22	1 27	23 43	0 23	19 16	1 32	10 32	10 34	21 51	21 49	16 45	16 17	2 38
W14	10 32	14 31	2 1	2 7	2 7	26 54	5 2	14 20	1 5	21 36	0 19	13 20	1 27	23 42	0 23	19 17	1 32	10 31	10 34	21 51	21 50	16 47	16 16	2 38
T 15	10 54	9 9	3 3	2 42	2 5	27 1	5 3	14 17	1 2	21 38	0 19	13 19	1 27	23 42	0 23	19 17	1 32	10 31	10 34	21 52	21 50	16 49	16 15	2 38
F 16	11 15	3 8	3 57	3 19	2 3	27 7	5 4	14 14	0 58	21 40	0 19	13 17	1 27	23 42	0 23	19 17	1 32	10 31	10 35	21 52	21 51	16 51	16 14	2 38
S 17	11 37	3s14	4 36	3 57	2 0	27 12	5 4	14 10	0 55	21 41	0 19	13 16	1 28	23 42	0 23	19 18	1 32	10 31	10 35	21 54	21 51	16 53	16 14	2 39
S 18	11 58	9 34	4 57	4 36	1 56	27 17	5 4	14 6	0 52	21 43	0 19	13 14	1 28	23 42	0 23	19 18	1 32	10 30	10 35	21 55	21 52	16 56	16 13	2 39
M19	12 19	15 25	4 58	5 16	1 52	27 21	5 4	14 2	0 49	21 45	0 19	13 13	1 28	23 42	0 23	19 19	1 32	10 30	10 35	21 57	21 52	16 58	16 12	2 39
T 20	12 39	20 18	4 37	5 56	1 48	27 25	5 3	13 59	0 46	21 47	0 18	13 11	1 28	23 42	0 23	19 19	1 32	10 30	10 35	21 59	21 53	17 0	16 11	2 39
W21	13 0	23 46	3 57	6 36	1 43	27 28	5 3	13 55	0 42	21 49	0 18	13 10	1 28	23 42	0 23	19 20	1 32	10 29	10 35	22 0	21 53	17 2	16 10	2 39
T 22	13 20	25 30	3 1	7 16	1 38	27 30	5 1	13 51	0 39	21 51	0 18	13 9	1 29	23 41	0 23	19 20	1 32	10 29	10 35	22 1	21 54	17 5	16 9	2 39
F 23	13 40	25 27	1 55	7 57	1 32	27 31	5 0	13 47	0 36	21 53	0 18	13 7	1 29	23 41	0 23	19 20	1 32	10 29	10 35	22 2	21 54	17 7	16 8	2 40
S 24	14 0	23 46	0 44	8 38	1 26	27 32	4 58	13 43	0 32	21 55	0 18	13 6	1 29	23 41	0 23	19 21	1 32	10 29	10 35	22 2	21 55	17 9	16 7	2 40
S 25	14 20	20 44	0n27	9 18	1 21	27 33	4 56	13 39	0 29	21 57	0 18	13 5	1 29	23 41	0 23	19 21	1 32	10 29	10 35	22 2	21 55	17 11	16 6	2 40
M26	14 40	16 45	1 35	9 58	1 14	27 32	4 53	13 35	0 26	21 58	0 18	13 3	1 30	23 41	0 23	19 22	1 32	10 28	10 35	22 2	21 55	17 13	16 5	2 40
T 27	14 59	12 6	2 36	10 38	1 8	27 31	4 50	13 31	0 22	22 0	0 18	13 2	1 30	23 41	0 23	19 22	1 32	10 28	10 35	22 2	21 56	17 15	16 4	2 40
W28	15 18	7 5	3 28	11 17	1 2	27 30	4 47	13 27	0 19	22 2	0 17	13 1	1 30	23 41	0 23	19 23	1 32	10 28	10 35	22 2	21 56	17 18	16 3	2 40
T 29	15 36	1 53	4 10	11 57	0 55	27 27	4 43	13 23	0 16	22 4	0 17	13 0	1 30	23 40	0 23	19 23	1 32	10 28	10 35	22 3	21 57	17 20	16 2	2 40
F 30	15 55	3n19	4 40	12 35	0 48	27 24	4 38	13 19	0 13	22 6	0 17	12 59	1 30	23 40	0 23	19 23	1 32	10 27	10 35	22 4	21 57	17 22	16 2	2 41
S 31	16s13	8n20	4n58	13s13	0n42	27s20	4s33	13n16	0s10	22s 8	0n17	12n57	1n31	23s40	0s23	19s24	1n32	10n27	10s35	22s 6	21s58	17n24	16n 1	2s41

Julian Day Number = 2142464.5, Delta T = 15m08s
Ecliptic obliquity = 23°33'01, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'30, Lahiri = 12°03'30 Julian Calendar 1 Oct. 1153 == Greg. Calendar 8 Oct. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

NOVEMBER 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 6 41	15♏21'14	21♈24	8♏30	16♐ 6	5°R10	12♐47	0♍ 0	8♑26	3♐16	2°R58	19°R30	20♑32	3♉29	22°R55	S 1
M 2	3 10 38	16°21'53	3♉16	10° 5	16°10	4♉51	13° 0	0° 4	8°29	3°18	2♊57	19♑18	20°29	3°35	22♉52	M 2
T 3	3 14 35	17°22'32	15° 9	11°41	16°R12	4°32	13°13	0° 7	8°31	3°20	2°56	19° 5	20°25	3°42	22°48	T 3
W 4	3 18 31	18°23'14	27° 5	13°16	16°12	4°14	13°26	0°10	8°34	3°23	2°55	18°54	20°22	3°49	22°45	W 4
T 5	3 22 28	19°23'57	9♊ 3	14°52	16° 9	3°57	13°39	0°13	8°37	3°25	2°54	18°45	20°19	3°55	22°42	T 5
F 6	3 26 24	20°24'41	21° 7	16°27	16° 3	3°40	13°52	0°17	8°39	3°27	2°52	18°38	20°16	4° 2	22°38	F 6
S 7	3 30 21	21°25'26	3♋18	18° 2	15°56	3°23	14° 6	0°20	8°42	3°29	2°51	18°35	20°13	4° 9	22°35	S 7
S 8	3 34 17	22°26'14	15°39	19°37	15°45	3° 8	14°19	0°23	8°45	3°31	2°50	18°D33	20°10	4°16	22°32	S 8
M 9	3 38 14	23°27'02	28°12	21°11	15°33	2°53	14°32	0°25	8°47	3°34	2°49	18°34	20° 6	4°22	22°28	M 9
T 10	3 42 10	24°27'53	11♌ 3	22°46	15°17	2°39	14°45	0°28	8°50	3°36	2°48	18°35	20° 3	4°29	22°25	T 10
W11	3 46 7	25°28'44	24°14	24°20	15° 0	2°25	14°59	0°31	8°53	3°38	2°47	18°R35	20° 0	4°36	22°22	W11
T 12	3 50 4	26°29'37	7♍48	25°55	14°40	2°13	15°12	0°33	8°56	3°40	2°46	18°35	19°57	4°42	22°18	T 12
F 13	3 54 0	27°30'32	21°48	27°29	14°18	2° 1	15°26	0°36	8°59	3°43	2°44	18°32	19°54	4°49	22°15	F 13
S 14	3 57 57	28°31'28	6♎14	29° 3	13°54	1°49	15°39	0°38	9° 1	3°45	2°43	18°27	19°51	4°56	22°12	S 14
S 15	4 1 53	29°32'25	21° 2	0♐38	13°27	1°39	15°52	0°40	9° 4	3°47	2°42	18°21	19°47	5° 3	22° 8	S 15
M16	4 5 50	0♐33'23	6♏ 7	2°12	12°59	1°30	16° 6	0°42	9° 7	3°49	2°41	18°13	19°44	5° 9	22° 5	M16
T 17	4 9 46	1°34'23	21°18	3°46	12°29	1°21	16°20	0°44	9°10	3°52	2°40	18° 6	19°41	5°16	22° 2	T 17
W18	4 13 43	2°35'24	6♐27	5°20	11°58	1°13	16°33	0°46	9°13	3°54	2°39	17°59	19°38	5°23	21°59	W18
T 19	4 17 39	3°36'26	21°21	6°54	11°25	1° 6	16°47	0°48	9°16	3°56	2°38	17°54	19°35	5°29	21°55	T 19
F 20	4 21 36	4°37'29	5♑55	8°29	10°51	1° 0	17° 0	0°50	9°19	3°59	2°36	17°52	19°31	5°36	21°52	F 20
S 21	4 25 33	5°38'32	20° 2	10° 3	10°16	0°54	17°14	0°51	9°22	4° 1	2°35	17°D51	19°28	5°43	21°49	S 21
S 22	4 29 29	6°39'36	3♒40	11°38	9°40	0°50	17°28	0°53	9°26	4° 3	2°34	17°52	19°25	5°50	21°46	S 22
M23	4 33 26	7°40'41	16°52	13°12	9° 4	0°46	17°41	0°54	9°29	4° 5	2°33	17°54	19°22	5°56	21°42	M23
T 24	4 37 22	8°41'45	29°39	14°47	8°27	0°43	17°55	0°55	9°32	4° 8	2°32	17°55	19°19	6° 3	21°39	T 24
W25	4 41 19	9°42'51	12♓ 5	16°21	7°51	0°41	18° 9	0°57	9°35	4°10	2°31	17°R55	19°16	6°10	21°36	W25
T 26	4 45 15	10°43'57	24°17	17°56	7°15	0°40	18°22	0°58	9°38	4°12	2°30	17°54	19°12	6°17	21°33	T 26
F 27	4 49 12	11°45'03	6♈17	19°31	6°39	0°D39	18°36	0°59	9°42	4°14	2°28	17°51	19° 9	6°23	21°30	F 27
S 28	4 53 9	12°46'09	18°11	21° 5	6° 4	0°40	18°50	0°59	9°45	4°17	2°27	17°47	19° 6	6°30	21°27	S 28
S 29	4 57 5	13°47'16	0♉ 2	22°40	5°31	0°41	19° 4	1° 0	9°48	4°19	2°26	17°41	19° 3	6°37	21°24	S 29
M30	5 1 2	14♐48'24	11♉54	24♐15	4♐58	0♉43	19♐17	1♍ 1	9♑51	4♐21	2♊25	17♑35	19♑ 0	6♉43	21♉21	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s31	13n 2	5n 2	13s51	0n35	27s16	4s28	13n12	0s 6	22s 9	0n17	12n56	1n31	23s40	0s23	19s24	1n32	10n27	10s35	22s 7	21s58	17n26	16n 0	2s41
M 2	16 48	17 15	4 53	14 28	0 28	27 11	4 22	13 9	0 3	22 11	0 17	12 55	1 31	23 40	0 23	19 25	1 32	10 27	10 36	22 9	21 59	17 28	15 59	2 41
T 3	17 6	20 47	4 32	15 4	0 21	27 4	4 16	13 5	0 0	22 13	0 17	12 54	1 31	23 40	0 23	19 25	1 32	10 26	10 36	22 11	21 59	17 31	15 58	2 41
W 4	17 23	23 28	3 59	15 40	0 15	26 58	4 9	13 2	0n 3	22 15	0 17	12 53	1 32	23 39	0 23	19 26	1 32	10 26	10 36	22 13	22 0	17 33	15 57	2 41
T 5	17 40	25 7	3 15	16 15	0 8	26 50	4 2	12 59	0 6	22 16	0 17	12 52	1 32	23 39	0 23	19 26	1 32	10 26	10 36	22 14	22 0	17 35	15 56	2 41
F 6	17 56	25 36	2 21	16 49	0 1	26 41	3 54	12 56	0 9	22 18	0 16	12 52	1 32	23 39	0 23	19 26	1 32	10 26	10 36	22 15	22 1	17 37	15 55	2 41
S 7	18 12	24 51	1 21	17 22	0s 6	26 32	3 45	12 53	0 12	22 20	0 16	12 51	1 32	23 39	0 23	19 27	1 32	10 26	10 36	22 15	22 1	17 39	15 54	2 41
S 8	18 28	22 53	0 16	17 55	0 12	26 22	3 36	12 50	0 15	22 21	0 16	12 50	1 32	23 39	0 23	19 27	1 32	10 25	10 36	22 15	22 2	17 41	15 53	2 42
M 9	18 43	19 46	0s52	18 26	0 19	26 11	3 26	12 48	0 17	22 23	0 16	12 49	1 33	23 38	0 23	19 28	1 32	10 25	10 36	22 15	22 2	17 43	15 52	2 42
T 10	18 58	15 39	1 58	18 57	0 25	25 59	3 16	12 46	0 20	22 25	0 16	12 48	1 33	23 38	0 23	19 28	1 32	10 25	10 36	22 15	22 3	17 45	15 51	2 42
W11	19 13	10 41	3 0	19 27	0 32	25 46	3 5	12 44	0 23	22 26	0 16	12 48	1 33	23 38	0 23	19 29	1 32	10 25	10 36	22 15	22 3	17 48	15 50	2 42
T 12	19 28	5 5	3 53	19 56	0 38	25 32	2 54	12 42	0 26	22 28	0 16	12 47	1 33	23 38	0 23	19 29	1 32	10 25	10 36	22 15	22 4	17 50	15 49	2 42
F 13	19 42	0s56	4 35	20 24	0 44	25 18	2 42	12 40	0 28	22 29	0 16	12 46	1 34	23 38	0 23	19 29	1 32	10 24	10 36	22 16	22 4	17 52	15 48	2 42
S 14	19 55	7 5	5 0	20 52	0 50	25 3	2 29	12 39	0 31	22 31	0 16	12 46	1 34	23 37	0 23	19 30	1 32	10 24	10 36	22 16	22 5	17 54	15 47	2 42
S 15	20 9	12 59	5 7	21 18	0 56	24 46	2 16	12 37	0 33	22 32	0 15	12 45	1 34	23 37	0 23	19 30	1 32	10 24	10 36	22 17	22 5	17 56	15 47	2 42
M16	20 22	18 13	4 53	21 43	1 2	24 29	2 3	12 36	0 36	22 34	0 15	12 45	1 34	23 37	0 23	19 31	1 32	10 24	10 35	22 18	22 5	17 58	15 46	2 42
T 17	20 34	22 18	4 18	22 7	1 8	24 12	1 49	12 35	0 38	22 35	0 15	12 44	1 35	23 37	0 23	19 31	1 32	10 24	10 35	22 19	22 6	18 0	15 45	2 42
W18	20 46	24 51	3 25	22 30	1 13	23 53	1 34	12 35	0 40	22 37	0 15	12 44	1 35	23 37	0 23	19 32	1 32	10 23	10 35	22 20	22 6	18 2	15 44	2 42
T 19	20 58	25 34	2 18	22 52	1 19	23 34	1 20	12 34	0 43	22 38	0 15	12 43	1 35	23 36	0 23	19 32	1 32	10 23	10 35	22 21	22 7	18 4	15 43	2 42
F 20	21 10	24 29	1 4	23 12	1 24	23 15	1 5	12 34	0 45	22 40	0 15	12 43	1 35	23 36	0 23	19 32	1 32	10 23	10 35	22 21	22 7	18 6	15 42	2 42
S 21	21 21	21 51	0n12	23 32	1 29	22 54	0 50	12 34	0 47	22 41	0 15	12 43	1 36	23 36	0 23	19 33	1 32	10 23	10 35	22 21	22 8	18 8	15 41	2 43
S 22	21 31	18 3	1 25	23 50	1 34	22 34	0 34	12 35	0 49	22 43	0 15	12 42	1 36	23 36	0 23	19 33	1 32	10 23	10 35	22 21	22 8	18 10	15 40	2 43
M23	21 41	13 27	2 31	24 7	1 38	22 13	0 19	12 35	0 51	22 44	0 15	12 42	1 36	23 36	0 23	19 34	1 32	10 23	10 35	22 21	22 9	18 12	15 39	2 43
T 24	21 51	8 25	3 27	24 23	1 43	21 52	0 3	12 36	0 53	22 45	0 15	12 42	1 36	23 35	0 23	19 34	1 32	10 22	10 35	22 21	22 9	18 14	15 39	2 43
W25	22 1	3 10	4 12	24 37	1 47	21 31	0n13	12 37	0 55	22 47	0 14	12 42	1 37	23 35	0 23	19 35	1 32	10 22	10 35	22 21	22 10	18 17	15 38	2 43
T 26	22 9	2n 5	4 45	24 50	1 51	21 9	0 28	12 39	0 57	22 48	0 14	12 41	1 37	23 35	0 23	19 35	1 32	10 22	10 35	22 21	22 10	18 19	15 37	2 43
F 27	22 18	7 10	5 5	25 2	1 54	20 48	0 44	12 40	0 59	22 49	0 14	12 41	1 37	23 35	0 23	19 35	1 32	10 22	10 35	22 21	22 10	18 21	15 36	2 43
S 28	22 26	11 57	5 11	25 12	1 58	20 27	0 59	12 42	1 0	22 51	0 14	12 41	1 37	23 34	0 23	19 36	1 32	10 22	10 35	22 22	22 11	18 23	15 35	2 43
S 29	22 34	16 16	5 4	25 21	2 1	20 6	1 14	12 44	1 2	22 52	0 14	12 41	1 38	23 34	0 23	19 36	1 32	10 22	10 35	22 22	22 11	18 25	15 34	2 43
M30	22s41	19n58	4n44	25s29	2s 3	19s46	1n29	12n46	1n 4	22s53	0n14	12n41	1n38	23s34	0s23	19s37	1n32	10n22	10s35	22s23	22s12	18n27	15n34	2s43

Julian Day Number = 2142495.5, Delta T = 15m08s
Ecliptic obliquity = 23°33'00, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'34, Lahiri = 12°03'34 Julian Calendar 1 Nov. 1153 == Greg. Calendar 8 Nov. 1153

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ASTRODIENST EPHEMERIS for the year 1153
geocentric

DECEMBER 1153 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 4 58	15♐49'31	23♉50	25♐51	4°R27	0♉45	19♐31	1♍ 1	9♑55	4♐23	2°R24	17°R29	18♑56	6♉50	21°R18	T 1
W 2	5 8 55	16°50'39	5♊51	27°26	3♐57	0°49	19°45	1° 2	9°58	4°26	2♊23	17♑23	18°53	6°57	21♉15	W 2
T 3	5 12 51	17°51'48	17°58	29° 1	3°30	0°53	19°59	1° 2	10° 1	4°28	2°22	17°19	18°50	7° 4	21°12	T 3
F 4	5 16 48	18°52'57	0♋15	0♑36	3° 4	0°58	20°13	1° 2	10° 5	4°30	2°21	17°16	18°47	7°10	21° 9	F 4
S 5	5 20 44	19°54'07	12°40	2°11	2°40	1° 3	20°26	1°R 2	10° 8	4°32	2°19	17°D15	18°44	7°17	21° 6	S 5
S 6	5 24 41	20°55'16	25°17	3°45	2°19	1°10	20°40	1° 2	10°11	4°34	2°18	17°15	18°41	7°24	21° 4	S 6
M 7	5 28 38	21°56'27	8♌ 5	5°20	2° 0	1°17	20°54	1° 2	10°15	4°37	2°17	17°16	18°37	7°30	21° 1	M 7
T 8	5 32 34	22°57'37	21° 7	6°54	1°43	1°24	21° 8	1° 1	10°18	4°39	2°16	17°18	18°34	7°37	20°58	T 8
W 9	5 36 31	23°58'48	4♍25	8°28	1°29	1°33	21°22	1° 1	10°22	4°41	2°15	17°19	18°31	7°44	20°55	W 9
T 10	5 40 27	25° 0'00	17°59	10° 1	1°18	1°42	21°35	1° 1	10°25	4°43	2°14	17°20	18°28	7°51	20°53	T 10
F 11	5 44 24	26° 1'12	1♎51	11°34	1° 8	1°51	21°49	1° 0	10°29	4°45	2°13	17°R20	18°25	7°57	20°50	F 11
S 12	5 48 20	27° 2'24	16° 2	13° 5	1° 2	2° 1	22° 3	0°59	10°32	4°47	2°12	17°19	18°22	8° 4	20°48	S 12
S 13	5 52 17	28° 3'37	0♏28	14°36	0°58	2°12	22°17	0°58	10°36	4°50	2°11	17°17	18°18	8°11	20°45	S 13
M14	5 56 13	29° 4'50	15° 7	16° 5	0°D56	2°24	22°31	0°57	10°39	4°52	2°10	17°15	18°15	8°17	20°43	M14
T 15	6 0 10	0♑ 6'04	29°54	17°32	0°57	2°36	22°44	0°56	10°43	4°54	2° 9	17°13	18°12	8°24	20°40	T 15
W16	6 4 7	1° 7'17	14♐40	18°57	1° 0	2°48	22°58	0°55	10°46	4°56	2° 8	17°11	18° 9	8°31	20°38	W16
T 17	6 8 3	2° 8'31	29°18	20°20	1° 5	3° 2	23°12	0°54	10°50	4°58	2° 7	17° 9	18° 6	8°38	20°36	T 17
F 18	6 12 0	3° 9'44	13♑42	21°40	1°13	3°15	23°26	0°52	10°53	5° 0	2° 6	17°D 9	18° 3	8°44	20°34	F 18
S 19	6 15 56	4°10'57	27°46	22°57	1°24	3°30	23°39	0°51	10°57	5° 2	2° 5	17° 9	17°59	8°51	20°31	S 19
S 20	6 19 53	5°12'10	11♒27	24° 9	1°36	3°45	23°53	0°49	11° 0	5° 4	2° 4	17° 9	17°56	8°58	20°29	S 20
M21	6 23 49	6°13'22	24°44	25°16	1°50	4° 0	24° 7	0°48	11° 4	5° 6	2° 3	17°10	17°53	9° 4	20°27	M21
T 22	6 27 46	7°14'34	7♓37	26°19	2° 7	4°16	24°21	0°46	11° 7	5° 8	2° 2	17°12	17°50	9°11	20°25	T 22
W23	6 31 43	8°15'45	20° 9	27°14	2°25	4°32	24°34	0°44	11°11	5°10	2° 1	17°12	17°47	9°18	20°23	W23
T 24	6 35 39	9°16'55	2♈25	28° 3	2°46	4°49	24°48	0°42	11°15	5°12	2° 0	17°13	17°43	9°25	20°21	T 24
F 25	6 39 36	10°18'05	14°27	28°43	3° 8	5° 6	25° 1	0°40	11°18	5°14	2° 0	17°R13	17°40	9°31	20°20	F 25
S 26	6 43 32	11°19'14	26°22	29°15	3°33	5°24	25°15	0°38	11°22	5°16	1°59	17°13	17°37	9°38	20°18	S 26
S 27	6 47 29	12°20'23	8♉14	29°37	3°59	5°43	25°29	0°35	11°25	5°18	1°58	17°12	17°34	9°45	20°16	S 27
M28	6 51 25	13°21'30	20° 6	29°R48	4°26	6° 1	25°42	0°33	11°29	5°20	1°57	17°12	17°31	9°51	20°14	M28
T 29	6 55 22	14°22'37	2♊ 4	29°48	4°56	6°20	25°56	0°30	11°32	5°22	1°56	17°11	17°28	9°58	20°13	T 29
W30	6 59 18	15°23'43	14°10	29°36	5°26	6°40	26° 9	0°28	11°36	5°23	1°55	17°11	17°24	10° 5	20°11	W30
T 31	7 3 15	16♑24'49	26♊27	29♑13	5♐59	7♉ 0	26♐22	0♍25	11♑39	5♐25	1♊55	17♑11	17♑21	10♉12	20♉10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s47	22n52	4n11	25s35	2s 6	19s27	1n43	12n49	1n 5	22s54	0n14	12n41	1n38	23s34	0s23	19s37	1n32	10n22	10s35	22s24	22s12	18n29	15n33	2s43
W 2	22 54	24 47	3 27	25 39	2 8	19 7	1 57	12 51	1 7	22 55	0 14	12 41	1 38	23 33	0 23	19 37	1 32	10 21	10 34	22 25	22 13	18 31	15 32	2 43
T 3	23 0	25 33	2 33	25 42	2 9	18 49	2 10	12 54	1 8	22 57	0 14	12 42	1 39	23 33	0 23	19 38	1 32	10 21	10 34	22 25	22 13	18 33	15 31	2 43
F 4	23 5	25 5	1 32	25 43	2 11	18 31	2 23	12 57	1 10	22 58	0 14	12 42	1 39	23 33	0 23	19 38	1 32	10 21	10 34	22 26	22 14	18 35	15 31	2 43
S 5	23 10	23 22	0 25	25 43	2 11	18 15	2 36	13 0	1 11	22 59	0 13	12 42	1 39	23 33	0 23	19 39	1 32	10 21	10 34	22 26	22 14	18 37	15 30	2 43
S 6	23 14	20 28	0s44	25 41	2 12	17 59	2 48	13 4	1 13	23 0	0 13	12 42	1 39	23 32	0 23	19 39	1 32	10 21	10 34	22 26	22 14	18 39	15 29	2 43
M 7	23 18	16 32	1 52	25 38	2 12	17 44	2 59	13 8	1 14	23 1	0 13	12 43	1 40	23 32	0 23	19 39	1 32	10 21	10 34	22 26	22 15	18 41	15 28	2 43
T 8	23 22	11 45	2 56	25 33	2 11	17 30	3 10	13 11	1 15	23 2	0 13	12 43	1 40	23 32	0 23	19 40	1 32	10 21	10 34	22 26	22 15	18 43	15 28	2 43
W 9	23 25	6 21	3 51	25 26	2 10	17 17	3 20	13 16	1 16	23 3	0 13	12 43	1 40	23 32	0 23	19 40	1 32	10 21	10 34	22 25	22 16	18 44	15 27	2 43
T 10	23 27	0 33	4 35	25 18	2 8	17 5	3 30	13 20	1 18	23 4	0 13	12 44	1 40	23 31	0 23	19 41	1 32	10 21	10 34	22 25	22 16	18 46	15 26	2 43
F 11	23 29	5s23	5 4	25 8	2 5	16 54	3 39	13 24	1 19	23 5	0 13	12 44	1 41	23 31	0 23	19 41	1 32	10 21	10 33	22 25	22 17	18 48	15 26	2 43
S 12	23 31	11 10	5 15	24 56	2 2	16 45	3 48	13 29	1 20	23 6	0 13	12 45	1 41	23 31	0 23	19 41	1 32	10 21	10 33	22 25	22 17	18 50	15 25	2 43
S 13	23 32	16 28	5 7	24 43	1 59	16 36	3 56	13 34	1 21	23 7	0 13	12 45	1 41	23 30	0 23	19 42	1 32	10 20	10 33	22 26	22 18	18 52	15 24	2 43
M14	23 33	20 53	4 39	24 28	1 54	16 28	4 3	13 39	1 22	23 8	0 13	12 46	1 41	23 30	0 23	19 42	1 32	10 20	10 33	22 26	22 18	18 54	15 24	2 43
T 15	23 33	24 0	3 52	24 12	1 49	16 22	4 10	13 44	1 23	23 9	0 12	12 46	1 42	23 30	0 23	19 42	1 32	10 20	10 33	22 26	22 18	18 56	15 23	2 43
W16	23 33	25 29	2 50	23 54	1 43	16 16	4 16	13 49	1 24	23 9	0 12	12 47	1 42	23 30	0 23	19 43	1 32	10 20	10 33	22 26	22 19	18 58	15 23	2 43
T 17	23 32	25 10	1 37	23 35	1 36	16 12	4 22	13 54	1 25	23 10	0 12	12 48	1 42	23 29	0 23	19 43	1 32	10 20	10 33	22 27	22 19	19 0	15 22	2 43
F 18	23 31	23 9	0 19	23 15	1 28	16 8	4 28	14 0	1 26	23 11	0 12	12 48	1 42	23 29	0 23	19 44	1 32	10 20	10 32	22 27	22 20	19 2	15 21	2 43
S 19	23 29	19 45	0n59	22 53	1 19	16 5	4 32	14 6	1 27	23 12	0 12	12 49	1 43	23 29	0 23	19 44	1 32	10 20	10 32	22 27	22 20	19 4	15 21	2 43
S 20	23 27	15 20	2 11	22 31	1 9	16 3	4 37	14 12	1 27	23 12	0 12	12 50	1 43	23 28	0 23	19 44	1 32	10 20	10 32	22 27	22 20	19 6	15 20	2 43
M21	23 24	10 18	3 13	22 8	0 58	16 2	4 41	14 18	1 28	23 13	0 12	12 51	1 43	23 28	0 23	19 45	1 32	10 20	10 32	22 26	22 21	19 8	15 20	2 43
T 22	23 21	4 58	4 5	21 45	0 47	16 2	4 44	14 24	1 29	23 14	0 12	12 52	1 43	23 28	0 23	19 45	1 32	10 20	10 32	22 26	22 21	19 9	15 19	2 43
W23	23 17	0n25	4 42	21 21	0 34	16 3	4 47	14 30	1 30	23 15	0 12	12 53	1 44	23 28	0 23	19 45	1 32	10 20	10 32	22 26	22 22	19 11	15 19	2 43
T 24	23 13	5 39	5 7	20 58	0 19	16 4	4 50	14 36	1 30	23 15	0 12	12 54	1 44	23 27	0 23	19 46	1 32	10 20	10 31	22 26	22 22	19 13	15 18	2 42
F 25	23 9	10 35	5 17	20 35	0 4	16 6	4 52	14 43	1 31	23 16	0 12	12 55	1 44	23 27	0 23	19 46	1 32	10 20	10 31	22 26	22 23	19 15	15 18	2 42
S 26	23 4	15 4	5 13	20 13	0n12	16 9	4 54	14 49	1 32	23 16	0 11	12 56	1 44	23 27	0 23	19 46	1 32	10 20	10 31	22 26	22 23	19 17	15 18	2 42
S 27	22 58	18 59	4 56	19 52	0 29	16 12	4 56	14 56	1 32	23 17	0 11	12 57	1 44	23 26	0 23	19 47	1 32	10 20	10 31	22 26	22 23	19 19	15 17	2 42
M28	22 53	22 7	4 26	19 32	0 46	16 16	4 57	15 3	1 33	23 17	0 11	12 58	1 45	23 26	0 23	19 47	1 32	10 20	10 31	22 26	22 24	19 21	15 17	2 42
T 29	22 46	24 21	3 45	19 14	1 5	16 20	4 58	15 10	1 34	23 18	0 11	12 59	1 45	23 26	0 23	19 47	1 32	10 20	10 30	22 26	22 24	19 23	15 16	2 42
W30	22 39	25 28	2 53	18 58	1 23	16 25	4 58	15 17	1 34	23 18	0 11	13 0	1 45	23 26	0 23	19 47	1 32	10 20	10 30	22 26	22 25	19 24	15 16	2 42
T 31	22s32	25n23	1n53	18s45	1n42	16s30	4n58	15n24	1n35	23s19	0n11	13n 1	1n45	23s25	0s23	19s48	1n32	10n20	10s30	22s26	22s25	19n26	15n16	2s42

Julian Day Number = 2142525.5, Delta T = 15m08s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'38, Lahiri = 12°03'38 Julian Calendar 1 Dec. 1153 == Greg. Calendar 8 Dec. 1153

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

JANUARY 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 7 12	17♑25'53	8♋57	28°R38	6♐33	7♉20	26♐36	0°R22	11♑43	5♐27	1°R54	17°D11	17♑18	10♉18	20°R 8	F 1
S 2	7 11 8	18°26'57	21°41	27♑53	7° 8	7°41	26°49	0♍19	11°46	5°29	1♊53	17°R11	17°15	10°25	20♉ 7	S 2
S 3	7 15 5	19°28'00	4♌39	26°57	7°45	8° 2	27° 3	0°16	11°50	5°31	1°52	17♑11	17°12	10°32	20° 6	S 3
M 4	7 19 1	20°29'02	17°51	25°54	8°23	8°23	27°16	0°13	11°54	5°32	1°52	17°10	17° 9	10°38	20° 5	M 4
T 5	7 22 58	21°30'04	1♍16	24°44	9° 2	8°45	27°29	0°10	11°57	5°34	1°51	17°10	17° 5	10°45	20° 3	T 5
W 6	7 26 54	22°31'05	14°54	23°30	9°42	9° 7	27°42	0° 7	12° 1	5°36	1°50	17° 9	17° 2	10°52	20° 2	W 6
T 7	7 30 51	23°32'05	28°42	22°14	10°24	9°30	27°56	0° 4	12° 4	5°37	1°49	17° 9	16°59	10°59	20° 1	T 7
F 8	7 34 47	24°33'05	12♎40	20°59	11° 7	9°52	28° 9	0° 0	12° 8	5°39	1°49	17° 8	16°56	11° 5	20° 0	F 8
S 9	7 38 44	25°34'04	26°47	19°45	11°51	10°15	28°22	29♌57	12°11	5°41	1°48	17°D 8	16°53	11°12	20° 0	S 9
S 10	7 42 41	26°35'02	10♏59	18°37	12°35	10°39	28°35	29°53	12°15	5°42	1°48	17° 8	16°49	11°19	19°59	S 10
M11	7 46 37	27°36'00	25°16	17°34	13°21	11° 3	28°48	29°50	12°18	5°44	1°47	17° 9	16°46	11°25	19°58	M11
T 12	7 50 34	28°36'57	9♐34	16°38	14° 8	11°27	29° 1	29°46	12°21	5°46	1°46	17°10	16°43	11°32	19°57	T 12
W13	7 54 30	29°37'53	23°49	15°50	14°56	11°51	29°14	29°42	12°25	5°47	1°46	17°11	16°40	11°39	19°57	W13
T 14	7 58 27	0♒38'48	7♑59	15°11	15°44	12°16	29°27	29°38	12°28	5°49	1°45	17°12	16°37	11°46	19°56	T 14
F 15	8 2 23	1°39'42	22° 0	14°40	16°33	12°40	29°39	29°34	12°32	5°50	1°45	17°R12	16°34	11°52	19°56	F 15
S 16	8 6 20	2°40'35	5♒46	14°17	17°23	13° 6	29°52	29°31	12°35	5°51	1°44	17°11	16°30	11°59	19°55	S 16
S 17	8 10 16	3°41'27	19°16	14° 3	18°14	13°31	0♑ 5	29°26	12°39	5°53	1°44	17° 9	16°27	12° 6	19°55	S 17
M18	8 14 13	4°42'17	2♓28	13°D57	19° 6	13°57	0°17	29°22	12°42	5°54	1°43	17° 7	16°24	12°12	19°55	M18
T 19	8 18 10	5°43'06	15°20	13°58	19°58	14°23	0°30	29°18	12°45	5°56	1°43	17° 4	16°21	12°19	19°55	T 19
W20	8 22 6	6°43'53	27°54	14° 7	20°51	14°49	0°42	29°14	12°49	5°57	1°43	17° 1	16°18	12°26	19°54	W20
T 21	8 26 3	7°44'39	10♈12	14°22	21°45	15°15	0°55	29°10	12°52	5°58	1°42	16°58	16°14	12°33	19°D54	T 21
F 22	8 29 59	8°45'23	22°17	14°43	22°39	15°42	1° 7	29° 5	12°55	6° 0	1°42	16°56	16°11	12°39	19°54	F 22
S 23	8 33 56	9°46'05	4♉13	15°10	23°34	16° 9	1°20	29° 1	12°59	6° 1	1°41	16°55	16° 8	12°46	19°55	S 23
S 24	8 37 52	10°46'46	16° 5	15°43	24°29	16°36	1°32	28°57	13° 2	6° 2	1°41	16°D55	16° 5	12°53	19°55	S 24
M25	8 41 49	11°47'25	27°57	16°19	25°25	17° 3	1°44	28°52	13° 5	6° 3	1°41	16°56	16° 2	12°59	19°55	M25
T 26	8 45 45	12°48'02	9♊55	17° 1	26°21	17°31	1°56	28°48	13° 8	6° 4	1°40	16°58	15°59	13° 6	19°55	T 26
W27	8 49 42	13°48'38	22° 3	17°46	27°18	17°59	2° 8	28°43	13°11	6° 6	1°40	17° 0	15°55	13°13	19°56	W27
T 28	8 53 39	14°49'12	4♋25	18°35	28°16	18°27	2°20	28°39	13°15	6° 7	1°40	17° 1	15°52	13°19	19°56	T 28
F 29	8 57 35	15°49'44	17° 5	19°28	29°14	18°55	2°32	28°34	13°18	6° 8	1°40	17°R 2	15°49	13°26	19°57	F 29
S 30	9 1 32	16°50'15	0♌ 3	20°23	0♑12	19°23	2°44	28°29	13°21	6° 9	1°40	17° 1	15°46	13°33	19°57	S 30
S 31	9 5 28	17♒50'43	13♌22	21♑22	1♑11	19♉52	2♑56	28♌25	13♑24	6♐10	1♊39	16♑59	15♑43	13♉40	19♉58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s24	24n 0	0n46	18s34	2n 0	16s36	4n58	15n31	1n35	23s19	0n11	13n 2	1n46	23s25	0s23	19s48	1n32	10n21	10s30	22s26	22s25	19n28	15n15	2s42
S 2	22 16	21 23	0s25	18 25	2 18	16 42	4 58	15 39	1 36	23 20	0 11	13 3	1 46	23 25	0 23	19 48	1 32	10 21	10 30	22 26	22 26	19 30	15 15	2 42
S 3	22 8	17 39	1 35	18 20	2 35	16 48	4 58	15 46	1 36	23 20	0 11	13 5	1 46	23 24	0 23	19 49	1 32	10 21	10 29	22 26	22 26	19 32	15 15	2 42
M 4	21 59	12 59	2 42	18 17	2 50	16 55	4 57	15 53	1 37	23 21	0 11	13 6	1 46	23 24	0 23	19 49	1 32	10 21	10 29	22 26	22 27	19 34	15 15	2 42
T 5	21 49	7 38	3 41	18 16	3 4	17 2	4 56	16 1	1 37	23 21	0 11	13 7	1 46	23 24	0 23	19 49	1 32	10 21	10 29	22 27	22 27	19 35	15 14	2 42
W 6	21 40	1 51	4 28	18 17	3 15	17 9	4 54	16 8	1 37	23 21	0 11	13 9	1 47	23 23	0 23	19 49	1 32	10 21	10 29	22 27	22 28	19 37	15 14	2 42
T 7	21 29	4s 5	5 1	18 21	3 24	17 17	4 53	16 16	1 38	23 22	0 10	13 10	1 47	23 23	0 23	19 50	1 32	10 21	10 29	22 27	22 28	19 39	15 14	2 42
F 8	21 19	9 52	5 16	18 26	3 31	17 25	4 51	16 24	1 38	23 22	0 10	13 11	1 47	23 23	0 23	19 50	1 32	10 21	10 28	22 27	22 28	19 41	15 14	2 42
S 9	21 8	15 13	5 12	18 33	3 35	17 32	4 49	16 31	1 39	23 22	0 10	13 13	1 47	23 22	0 23	19 50	1 32	10 21	10 28	22 27	22 29	19 43	15 14	2 41
S 10	20 56	19 47	4 50	18 41	3 37	17 40	4 47	16 39	1 39	23 22	0 10	13 14	1 47	23 22	0 23	19 50	1 32	10 21	10 28	22 27	22 29	19 44	15 14	2 41
M11	20 44	23 12	4 10	18 49	3 36	17 48	4 45	16 47	1 39	23 23	0 10	13 16	1 48	23 22	0 23	19 51	1 32	10 21	10 28	22 27	22 30	19 46	15 13	2 41
T 12	20 32	25 11	3 14	18 59	3 33	17 56	4 42	16 55	1 40	23 23	0 10	13 17	1 48	23 22	0 23	19 51	1 32	10 22	10 27	22 27	22 30	19 48	15 13	2 41
W13	20 19	25 30	2 6	19 9	3 29	18 4	4 39	17 2	1 40	23 23	0 10	13 19	1 48	23 21	0 23	19 51	1 32	10 22	10 27	22 26	22 30	19 50	15 13	2 41
T 14	20 6	24 9	0 51	19 20	3 22	18 12	4 37	17 10	1 40	23 23	0 10	13 20	1 48	23 21	0 23	19 51	1 33	10 22	10 27	22 26	22 31	19 51	15 13	2 41
F 15	19 53	21 18	0n27	19 31	3 15	18 20	4 34	17 18	1 40	23 23	0 10	13 22	1 48	23 21	0 23	19 52	1 33	10 22	10 27	22 26	22 31	19 53	15 13	2 41
S 16	19 39	17 17	1 41	19 42	3 6	18 28	4 31	17 26	1 41	23 23	0 10	13 23	1 49	23 20	0 23	19 52	1 33	10 22	10 26	22 26	22 31	19 55	15 13	2 41
S 17	19 25	12 27	2 48	19 53	2 57	18 35	4 27	17 34	1 41	23 23	0 10	13 25	1 49	23 20	0 23	19 52	1 33	10 22	10 26	22 27	22 32	19 57	15 13	2 41
M18	19 11	7 9	3 45	20 3	2 46	18 43	4 24	17 42	1 41	23 23	0 9	13 27	1 49	23 20	0 23	19 52	1 33	10 22	10 26	22 27	22 32	19 58	15 13	2 41
T 19	18 56	1 41	4 28	20 14	2 36	18 50	4 20	17 50	1 41	23 24	0 9	13 28	1 49	23 19	0 23	19 52	1 33	10 22	10 26	22 27	22 33	20 0	15 13	2 41
W20	18 41	3n43	4 58	20 24	2 24	18 58	4 17	17 58	1 41	23 24	0 9	13 30	1 49	23 19	0 23	19 53	1 33	10 23	10 25	22 28	22 33	20 2	15 13	2 41
T 21	18 25	8 51	5 13	20 34	2 13	19 5	4 13	18 6	1 42	23 24	0 9	13 32	1 49	23 19	0 23	19 53	1 33	10 23	10 25	22 28	22 33	20 4	15 13	2 40
F 22	18 9	13 33	5 13	20 43	2 1	19 12	4 9	18 14	1 42	23 24	0 9	13 33	1 50	23 18	0 23	19 53	1 33	10 23	10 25	22 28	22 34	20 5	15 13	2 40
S 23	17 53	17 41	5 1	20 52	1 50	19 19	4 5	18 22	1 42	23 24	0 9	13 35	1 50	23 18	0 23	19 53	1 33	10 23	10 25	22 28	22 34	20 7	15 13	2 40
S 24	17 37	21 7	4 35	21 0	1 38	19 25	4 1	18 30	1 42	23 23	0 9	13 37	1 50	23 18	0 23	19 53	1 33	10 23	10 24	22 28	22 35	20 9	15 14	2 40
M25	17 20	23 39	3 58	21 7	1 27	19 31	3 57	18 38	1 42	23 23	0 9	13 38	1 50	23 18	0 23	19 53	1 33	10 24	10 24	22 28	22 35	20 11	15 14	2 40
T 26	17 3	25 10	3 10	21 13	1 15	19 37	3 53	18 46	1 42	23 23	0 9	13 40	1 50	23 17	0 23	19 54	1 33	10 24	10 24	22 28	22 35	20 12	15 14	2 40
W27	16 45	25 31	2 13	21 18	1 4	19 43	3 49	18 54	1 42	23 23	0 9	13 42	1 50	23 17	0 24	19 54	1 33	10 24	10 24	22 28	22 36	20 14	15 14	2 40
T 28	16 28	24 37	1 9	21 23	0 53	19 48	3 44	19 2	1 43	23 23	0 9	13 43	1 50	23 17	0 24	19 54	1 33	10 24	10 23	22 28	22 36	20 16	15 14	2 40
F 29	16 10	22 27	0s 0	21 26	0 42	19 53	3 40	19 10	1 43	23 23	0 9	13 45	1 51	23 16	0 24	19 54	1 33	10 24	10 23	22 28	22 36	20 17	15 15	2 40
S 30	15 52	19 5	1 11	21 28	0 32	19 58	3 35	19 18	1 43	23 23	0 8	13 47	1 51	23 16	0 24	19 54	1 33	10 25	10 23	22 28	22 37	20 19	15 15	2 40
S 31	15s33	14n40	2s19	21s30	0n21	20s 2	3n31	19n26	1n43	23s23	0n 8	13n49	1n51	23s16	0s24	19s54	1n33	10n25	10s23	22s28	22s37	20n21	15n15	2s40

Julian Day Number = 2142556.5, Delta T = 15m08s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'42, Lahiri = 12°03'43 Julian Calendar 1 Jan. 1154 == Greg. Calendar 8 Jan. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

FEBRUARY 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 9 25	18♒51'10	27♌ 0	22♑23	2♑10	20♉20	3♑ 7	28°R20	13♑27	6♐11	1°R39	16°R55	15♑40	13♉46	19♉59	M 1
T 2	9 13 21	19°51'36	10♍54	23°27	3°10	20°49	3°19	28♌15	13°30	6°12	1♊39	16♑50	15°36	13°53	19°59	T 2
W 3	9 17 18	20°51'59	25° 1	24°33	4°10	21°18	3°30	28°11	13°33	6°13	1°39	16°45	15°33	14° 0	20° 0	W 3
T 4	9 21 14	21°52'21	9♎15	25°41	5°11	21°47	3°42	28° 6	13°36	6°14	1°39	16°39	15°30	14° 6	20° 1	T 4
F 5	9 25 11	22°52'42	23°32	26°52	6°12	22°17	3°53	28° 1	13°39	6°14	1°39	16°35	15°27	14°13	20° 2	F 5
S 6	9 29 8	23°53'01	7♏49	28° 4	7°13	22°46	4° 4	27°56	13°42	6°15	1°39	16°32	15°24	14°20	20° 3	S 6
S 7	9 33 4	24°53'19	22° 1	29°18	8°14	23°16	4°16	27°52	13°45	6°16	1°39	16°D31	15°20	14°27	20° 4	S 7
M 8	9 37 1	25°53'36	6♐ 8	0♒34	9°16	23°46	4°27	27°47	13°48	6°17	1°D39	16°32	15°17	14°33	20° 6	M 8
T 9	9 40 57	26°53'51	20° 7	1°51	10°19	24°16	4°38	27°42	13°51	6°18	1°39	16°33	15°14	14°40	20° 7	T 9
W10	9 44 54	27°54'04	3♑58	3°10	11°21	24°46	4°48	27°37	13°53	6°18	1°39	16°34	15°11	14°47	20° 8	W10
T 11	9 48 50	28°54'16	17°40	4°30	12°24	25°16	4°59	27°32	13°56	6°19	1°39	16°R35	15° 8	14°53	20°10	T 11
F 12	9 52 47	29°54'26	1♒12	5°52	13°27	25°46	5°10	27°27	13°59	6°19	1°39	16°34	15° 5	15° 0	20°11	F 12
S 13	9 56 43	0♓54'35	14°34	7°16	14°30	26°17	5°21	27°23	14° 2	6°20	1°39	16°31	15° 1	15° 7	20°13	S 13
S 14	10 0 40	1°54'41	27°43	8°40	15°34	26°48	5°31	27°18	14° 4	6°21	1°39	16°25	14°58	15°13	20°14	S 14
M15	10 4 37	2°54'46	10♓39	10° 6	16°38	27°19	5°41	27°13	14° 7	6°21	1°39	16°18	14°55	15°20	20°16	M15
T 16	10 8 33	3°54'48	23°22	11°33	17°42	27°49	5°52	27° 8	14°10	6°22	1°39	16° 9	14°52	15°27	20°17	T 16
W17	10 12 30	4°54'49	5♈50	13° 2	18°47	28°21	6° 2	27° 4	14°12	6°22	1°40	16° 0	14°49	15°34	20°19	W17
T 18	10 16 26	5°54'47	18° 5	14°32	19°51	28°52	6°12	26°59	14°15	6°23	1°40	15°51	14°46	15°40	20°21	T 18
F 19	10 20 23	6°54'44	0♉ 8	16° 3	20°56	29°23	6°22	26°54	14°17	6°23	1°40	15°43	14°42	15°47	20°23	F 19
S 20	10 24 19	7°54'38	12° 4	17°35	22° 1	29°54	6°32	26°49	14°20	6°23	1°40	15°38	14°39	15°54	20°25	S 20
S 21	10 28 16	8°54'30	23°54	19° 8	23° 6	0♊26	6°42	26°45	14°22	6°24	1°41	15°34	14°36	16° 0	20°27	S 21
M22	10 32 12	9°54'20	5♊45	20°43	24°12	0°58	6°51	26°40	14°24	6°24	1°41	15°D33	14°33	16° 7	20°29	M22
T 23	10 36 9	10°54'07	17°41	22°18	25°18	1°29	7° 1	26°36	14°27	6°24	1°41	15°33	14°30	16°14	20°31	T 23
W24	10 40 6	11°53'52	29°48	23°55	26°23	2° 1	7°10	26°31	14°29	6°24	1°42	15°34	14°26	16°20	20°33	W24
T 25	10 44 2	12°53'35	12♋10	25°33	27°29	2°33	7°20	26°27	14°31	6°25	1°42	15°R34	14°23	16°27	20°36	T 25
F 26	10 47 59	13°53'16	24°52	27°13	28°36	3° 5	7°29	26°22	14°34	6°25	1°42	15°34	14°20	16°34	20°38	F 26
S 27	10 51 55	14°52'54	7♌58	28°53	29°42	3°37	7°38	26°18	14°36	6°25	1°43	15°32	14°17	16°41	20°40	S 27
S 28	10 55 52	15♓52'30	21♌30	0♓35	0♒49	4♊10	7♑47	26♌13	14♑38	6♐25	1♊43	15♑27	14♑14	16♉47	20♉43	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s15	9n25	3s21	21s30	0n11	20s 6	3n26	19n34	1n43	23s22	0n 8	13n50	1n51	23s15	0s24	19s54	1n33	10n25	10s22	22s28	22s38	20n22	15n15	2s39
T 2	14 56	3 37	4 12	21 29	0 1	20 10	3 21	19 42	1 43	23 22	0 8	13 52	1 51	23 15	0 24	19 55	1 33	10 25	10 22	22 29	22 38	20 24	15 16	2 39
W 3	14 36	2s26	4 49	21 27	0s 8	20 13	3 16	19 50	1 43	23 22	0 8	13 54	1 51	23 15	0 24	19 55	1 33	10 25	10 22	22 30	22 38	20 26	15 16	2 39
T 4	14 17	8 24	5 8	21 23	0 17	20 15	3 12	19 57	1 43	23 22	0 8	13 56	1 51	23 15	0 24	19 55	1 33	10 26	10 22	22 30	22 39	20 27	15 16	2 39
F 5	13 57	13 57	5 9	21 19	0 26	20 18	3 7	20 5	1 43	23 22	0 8	13 57	1 51	23 14	0 24	19 55	1 33	10 26	10 21	22 31	22 39	20 29	15 17	2 39
S 6	13 37	18 45	4 50	21 13	0 35	20 20	3 2	20 13	1 43	23 21	0 8	13 59	1 51	23 14	0 24	19 55	1 33	10 26	10 21	22 31	22 39	20 31	15 17	2 39
S 7	13 17	22 26	4 14	21 6	0 43	20 21	2 57	20 20	1 43	23 21	0 8	14 1	1 52	23 14	0 24	19 55	1 34	10 26	10 21	22 31	22 40	20 32	15 17	2 39
M 8	12 57	24 45	3 22	20 57	0 51	20 22	2 52	20 28	1 43	23 21	0 8	14 3	1 52	23 13	0 24	19 55	1 34	10 27	10 21	22 31	22 40	20 34	15 18	2 39
T 9	12 36	25 29	2 19	20 48	0 59	20 22	2 47	20 35	1 43	23 21	0 8	14 4	1 52	23 13	0 24	19 55	1 34	10 27	10 20	22 31	22 40	20 35	15 18	2 39
W10	12 15	24 37	1 8	20 37	1 6	20 22	2 42	20 43	1 43	23 20	0 7	14 6	1 52	23 13	0 24	19 55	1 34	10 27	10 20	22 31	22 41	20 37	15 19	2 39
T 11	11 55	22 17	0n 6	20 24	1 13	20 22	2 37	20 50	1 43	23 20	0 7	14 8	1 52	23 13	0 24	19 55	1 34	10 28	10 20	22 31	22 41	20 39	15 19	2 39
F 12	11 33	18 43	1 18	20 10	1 20	20 21	2 32	20 58	1 43	23 20	0 7	14 10	1 52	23 12	0 24	19 55	1 34	10 28	10 20	22 31	22 42	20 40	15 20	2 38
S 13	11 12	14 13	2 25	19 55	1 26	20 19	2 27	21 5	1 43	23 19	0 7	14 11	1 52	23 12	0 24	19 56	1 34	10 28	10 19	22 31	22 42	20 42	15 20	2 38
S 14	10 51	9 8	3 24	19 39	1 32	20 17	2 22	21 12	1 43	23 19	0 7	14 13	1 52	23 12	0 24	19 56	1 34	10 28	10 19	22 32	22 42	20 43	15 21	2 38
M15	10 29	3 45	4 10	19 21	1 37	20 15	2 17	21 19	1 43	23 19	0 7	14 15	1 52	23 12	0 24	19 56	1 34	10 29	10 19	22 33	22 43	20 45	15 21	2 38
T 16	10 7	1n41	4 43	19 2	1 42	20 12	2 12	21 26	1 43	23 18	0 7	14 17	1 52	23 11	0 24	19 56	1 34	10 29	10 18	22 34	22 43	20 47	15 22	2 38
W17	9 45	6 56	5 2	18 41	1 47	20 8	2 7	21 33	1 43	23 18	0 7	14 18	1 52	23 11	0 24	19 56	1 34	10 29	10 18	22 35	22 43	20 48	15 22	2 38
T 18	9 23	11 50	5 6	18 20	1 51	20 4	2 2	21 40	1 43	23 17	0 7	14 20	1 52	23 11	0 24	19 56	1 34	10 30	10 18	22 36	22 44	20 50	15 23	2 38
F 19	9 1	16 12	4 57	17 56	1 56	19 59	1 57	21 47	1 43	23 17	0 7	14 22	1 52	23 11	0 24	19 56	1 34	10 30	10 18	22 37	22 44	20 51	15 23	2 38
S 20	8 38	19 53	4 35	17 32	1 59	19 54	1 52	21 54	1 43	23 17	0 7	14 23	1 52	23 10	0 24	19 56	1 34	10 30	10 17	22 38	22 44	20 53	15 24	2 38
S 21	8 16	22 44	4 1	17 5	2 2	19 49	1 47	22 1	1 43	23 16	0 6	14 25	1 52	23 10	0 24	19 56	1 34	10 30	10 17	22 38	22 45	20 54	15 25	2 38
M22	7 53	24 36	3 17	16 38	2 5	19 42	1 41	22 7	1 43	23 16	0 6	14 27	1 52	23 10	0 24	19 56	1 34	10 31	10 17	22 38	22 45	20 56	15 25	2 38
T 23	7 31	25 22	2 24	16 9	2 8	19 36	1 36	22 14	1 43	23 16	0 6	14 28	1 52	23 10	0 24	19 56	1 34	10 31	10 17	22 38	22 45	20 57	15 26	2 38
W24	7 8	24 57	1 24	15 39	2 10	19 29	1 31	22 20	1 42	23 15	0 6	14 30	1 53	23 9	0 24	19 56	1 34	10 31	10 16	22 38	22 46	20 59	15 26	2 38
T 25	6 45	23 18	0 18	15 7	2 11	19 21	1 26	22 26	1 42	23 15	0 6	14 31	1 53	23 9	0 24	19 56	1 34	10 32	10 16	22 38	22 46	21 1	15 27	2 37
F 26	6 22	20 26	0s50	14 34	2 12	19 12	1 22	22 33	1 42	23 14	0 6	14 33	1 53	23 9	0 24	19 56	1 34	10 32	10 16	22 38	22 46	21 2	15 28	2 37
S 27	5 59	16 29	1 57	13 59	2 13	19 4	1 17	22 39	1 42	23 14	0 6	14 34	1 53	23 9	0 24	19 56	1 34	10 32	10 16	22 38	22 47	21 4	15 29	2 37
S 28	5s36	11n34	2s59	13s23	2s13	18s54	1n12	22n45	1n42	23s13	0n 6	14n36	1n53	23s 9	0s24	19s56	1n35	10n33	10s15	22s39	22s47	21n 5	15n29	2s37

Julian Day Number = 2142587.5, Delta T = 15m08s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'46, Lahiri = 12°03'47 Julian Calendar 1 Feb. 1154 == Greg. Calendar 8 Feb. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

MARCH 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 59 48	16♓52'04	5♍26	2♓18	1♒55	4♊42	7♉56	26°R 9	14♉40	6♐25	1♊44	15°R20	14♉11	16♉54	20♉45	M 1
T 2	11 3 45	17°51'36	19°44	4° 3	3° 2	5°14	8° 4	26♌ 5	14°42	6°R25	1°44	15♉11	14° 7	17° 1	20°48	T 2
W 3	11 7 41	18°51'05	4♎18	5°48	4° 9	5°47	8°13	26° 0	14°44	6°25	1°45	15° 1	14° 4	17° 7	20°51	W 3
T 4	11 11 38	19°50'33	19° 1	7°35	5°16	6°19	8°21	25°56	14°46	6°25	1°45	14°51	14° 1	17°14	20°53	T 4
F 5	11 15 34	20°49'59	3♏45	9°23	6°24	6°52	8°30	25°52	14°48	6°25	1°46	14°42	13°58	17°21	20°56	F 5
S 6	11 19 31	21°49'23	18°23	11°13	7°31	7°25	8°38	25°48	14°50	6°25	1°46	14°36	13°55	17°27	20°59	S 6
S 7	11 23 28	22°48'45	2♐48	13° 4	8°39	7°58	8°46	25°44	14°52	6°25	1°47	14°32	13°52	17°34	21° 2	S 7
M 8	11 27 24	23°48'05	16°59	14°56	9°46	8°30	8°54	25°40	14°53	6°24	1°47	14°30	13°48	17°41	21° 4	M 8
T 9	11 31 21	24°47'24	0♑53	16°49	10°54	9° 3	9° 1	25°36	14°55	6°24	1°48	14°D30	13°45	17°48	21° 7	T 9
W10	11 35 17	25°46'41	14°32	18°44	12° 2	9°36	9° 9	25°32	14°57	6°24	1°49	14°R31	13°42	17°54	21°10	W10
T 11	11 39 14	26°45'56	27°56	20°40	13°10	10°10	9°17	25°29	14°59	6°24	1°49	14°30	13°39	18° 1	21°13	T 11
F 12	11 43 10	27°45'09	11♒ 7	22°37	14°19	10°43	9°24	25°25	15° 0	6°23	1°50	14°27	13°36	18° 8	21°17	F 12
S 13	11 47 7	28°44'21	24° 6	24°36	15°27	11°16	9°31	25°21	15° 2	6°23	1°51	14°22	13°32	18°14	21°20	S 13
S 14	11 51 3	29°43'30	6♓54	26°36	16°35	11°49	9°38	25°18	15° 3	6°23	1°51	14°13	13°29	18°21	21°23	S 14
M15	11 55 0	0♈42'37	19°31	28°37	17°44	12°23	9°45	25°14	15° 5	6°22	1°52	14° 2	13°26	18°28	21°26	M15
T 16	11 58 57	1°41'42	1♈58	0♈39	18°53	12°56	9°52	25°11	15° 6	6°22	1°53	13°49	13°23	18°34	21°29	T 16
W17	12 2 53	2°40'46	14°15	2°42	20° 1	13°30	9°59	25° 7	15° 8	6°21	1°54	13°36	13°20	18°41	21°33	W17
T 18	12 6 50	3°39'47	26°22	4°46	21°10	14° 3	10° 5	25° 4	15° 9	6°21	1°54	13°22	13°17	18°48	21°36	T 18
F 19	12 10 46	4°38'46	8♉21	6°50	22°19	14°37	10°11	25° 1	15°10	6°20	1°55	13°10	13°13	18°55	21°39	F 19
S 20	12 14 43	5°37'42	20°14	8°55	23°28	15°11	10°17	24°58	15°11	6°20	1°56	13° 1	13°10	19° 1	21°43	S 20
S 21	12 18 39	6°36'37	2♊ 3	11° 0	24°37	15°45	10°23	24°55	15°13	6°19	1°57	12°54	13° 7	19° 8	21°46	S 21
M22	12 22 36	7°35'29	13°53	13° 6	25°47	16°19	10°29	24°52	15°14	6°19	1°58	12°50	13° 4	19°15	21°50	M22
T 23	12 26 32	8°34'19	25°47	15°11	26°56	16°53	10°35	24°49	15°15	6°18	1°59	12°48	13° 1	19°21	21°53	T 23
W24	12 30 29	9°33'07	7♋51	17°16	28° 5	17°27	10°40	24°47	15°16	6°17	2° 0	12°48	12°57	19°28	21°57	W24
T 25	12 34 26	10°31'53	20°10	19°20	29°15	18° 1	10°46	24°44	15°17	6°17	2° 1	12°47	12°54	19°35	22° 1	T 25
F 26	12 38 22	11°30'36	2♌50	21°23	0♓24	18°35	10°51	24°41	15°18	6°16	2° 1	12°47	12°51	19°41	22° 4	F 26
S 27	12 42 19	12°29'17	15°55	23°24	1°34	19° 9	10°56	24°39	15°19	6°15	2° 2	12°44	12°48	19°48	22° 8	S 27
S 28	12 46 15	13°27'55	29°28	25°24	2°43	19°43	11° 1	24°37	15°20	6°14	2° 3	12°39	12°45	19°55	22°12	S 28
M29	12 50 12	14°26'31	13♍30	27°22	3°53	20°17	11° 6	24°34	15°20	6°13	2° 4	12°31	12°42	20° 2	22°16	M29
T 30	12 54 8	15°25'05	28° 0	29°17	5° 3	20°52	11°10	24°32	15°21	6°13	2° 5	12°21	12°38	20° 8	22°20	T 30
W31	12 58 5	16♈23'38	12♎50	1♉ 9	6♓13	21♊26	11♉14	24♌30	15♉22	6♐12	2♊ 6	12♉10	12♉35	20♉15	22♉23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s12	5n57	3s53	12s46	2s13	18s44	1n 7	22n51	1n42	23s13	0n 6	14n37	1n53	23s 8	0s24	19s56	1n35	10n33	10s15	22s40	22s47	21n 7	15n30	2s37
T 2	4 49	0s 7	4 34	12 7	2 12	18 34	1 2	22 57	1 42	23 13	0 6	14 39	1 53	23 8	0 24	19 56	1 35	10 33	10 15	22 41	22 48	21 8	15 31	2 37
W 3	4 26	6 16	4 58	11 27	2 11	18 23	0 57	23 2	1 42	23 12	0 6	14 40	1 53	23 8	0 24	19 56	1 35	10 34	10 15	22 42	22 48	21 10	15 31	2 37
T 4	4 2	12 8	5 2	10 46	2 10	18 11	0 52	23 8	1 42	23 12	0 5	14 42	1 53	23 8	0 24	19 55	1 35	10 34	10 14	22 43	22 48	21 11	15 32	2 37
F 5	3 39	17 19	4 47	10 3	2 8	17 59	0 48	23 13	1 42	23 11	0 5	14 43	1 53	23 8	0 24	19 55	1 35	10 34	10 14	22 44	22 49	21 12	15 33	2 37
S 6	3 15	21 25	4 12	9 19	2 5	17 47	0 43	23 19	1 41	23 11	0 5	14 44	1 53	23 7	0 24	19 55	1 35	10 35	10 14	22 45	22 49	21 14	15 34	2 37
S 7	2 52	24 7	3 22	8 33	2 2	17 34	0 38	23 24	1 41	23 10	0 5	14 46	1 52	23 7	0 24	19 55	1 35	10 35	10 14	22 45	22 49	21 15	15 35	2 37
M 8	2 28	25 15	2 21	7 47	1 58	17 20	0 34	23 29	1 41	23 10	0 5	14 47	1 52	23 7	0 24	19 55	1 35	10 35	10 13	22 45	22 50	21 17	15 35	2 37
T 9	2 5	24 45	1 12	6 58	1 54	17 6	0 29	23 34	1 41	23 10	0 5	14 48	1 52	23 7	0 24	19 55	1 35	10 36	10 13	22 45	22 50	21 18	15 36	2 37
W10	1 41	22 45	0n 0	6 9	1 49	16 52	0 25	23 39	1 41	23 9	0 5	14 50	1 52	23 7	0 24	19 55	1 35	10 36	10 13	22 45	22 50	21 20	15 37	2 37
T 11	1 17	19 31	1 11	5 18	1 44	16 37	0 20	23 44	1 41	23 9	0 5	14 51	1 52	23 7	0 24	19 55	1 35	10 37	10 13	22 45	22 51	21 21	15 38	2 37
F 12	0 54	15 20	2 16	4 27	1 38	16 21	0 16	23 49	1 41	23 8	0 5	14 52	1 52	23 6	0 25	19 55	1 35	10 37	10 12	22 46	22 51	21 23	15 39	2 37
S 13	0 30	10 31	3 13	3 34	1 32	16 6	0 12	23 53	1 40	23 8	0 5	14 53	1 52	23 6	0 25	19 55	1 35	10 37	10 12	22 46	22 51	21 24	15 40	2 36
S 14	0 7	5 19	4 0	2 40	1 25	15 49	0 7	23 58	1 40	23 7	0 4	14 55	1 52	23 6	0 25	19 55	1 35	10 38	10 12	22 47	22 52	21 26	15 40	2 36
M15	0n17	0n 1	4 34	1 45	1 18	15 32	0 3	24 2	1 40	23 7	0 4	14 56	1 52	23 6	0 25	19 55	1 35	10 38	10 12	22 48	22 52	21 27	15 41	2 36
T 16	0 41	5 16	4 54	0 49	1 10	15 15	0s 1	24 6	1 40	23 7	0 4	14 57	1 52	23 6	0 25	19 54	1 35	10 38	10 11	22 50	22 52	21 28	15 42	2 36
W17	1 4	10 15	5 0	0n 8	1 2	14 57	0 5	24 10	1 40	23 6	0 4	14 58	1 52	23 6	0 25	19 54	1 35	10 39	10 11	22 51	22 53	21 30	15 43	2 36
T 18	1 28	14 46	4 53	1 5	0 53	14 39	0 9	24 14	1 40	23 6	0 4	14 59	1 52	23 6	0 25	19 54	1 35	10 39	10 11	22 52	22 53	21 31	15 44	2 36
F 19	1 51	18 39	4 32	2 3	0 44	14 21	0 13	24 18	1 39	23 5	0 4	15 0	1 52	23 5	0 25	19 54	1 35	10 40	10 11	22 54	22 53	21 33	15 45	2 36
S 20	2 15	21 44	4 0	3 2	0 34	14 2	0 17	24 22	1 39	23 5	0 4	15 1	1 52	23 5	0 25	19 54	1 35	10 40	10 11	22 55	22 54	21 34	15 46	2 36
S 21	2 38	23 54	3 18	4 1	0 24	13 42	0 21	24 25	1 39	23 5	0 4	15 2	1 52	23 5	0 25	19 54	1 35	10 40	10 10	22 55	22 54	21 35	15 47	2 36
M22	3 2	25 0	2 27	4 59	0 13	13 22	0 25	24 29	1 39	23 4	0 4	15 3	1 52	23 5	0 25	19 54	1 35	10 41	10 10	22 56	22 54	21 37	15 48	2 36
T 23	3 25	24 58	1 29	5 58	0 3	13 2	0 28	24 32	1 39	23 4	0 3	15 4	1 52	23 5	0 25	19 53	1 36	10 41	10 10	22 56	22 55	21 38	15 49	2 36
W24	3 48	23 45	0 26	6 56	0n 8	12 42	0 32	24 35	1 38	23 4	0 3	15 5	1 52	23 5	0 25	19 53	1 36	10 41	10 10	22 56	22 55	21 39	15 50	2 36
T 25	4 11	21 23	0s39	7 54	0 19	12 21	0 35	24 38	1 38	23 3	0 3	15 5	1 52	23 5	0 25	19 53	1 36	10 42	10 9	22 56	22 55	21 41	15 51	2 36
F 26	4 34	17 56	1 44	8 51	0 31	11 59	0 39	24 41	1 38	23 3	0 3	15 6	1 51	23 5	0 25	19 53	1 36	10 42	10 9	22 56	22 56	21 42	15 51	2 36
S 27	4 57	13 30	2 45	9 47	0 42	11 38	0 42	24 44	1 38	23 3	0 3	15 7	1 51	23 5	0 25	19 53	1 36	10 43	10 9	22 56	22 56	21 43	15 52	2 36
S 28	5 20	8 17	3 40	10 41	0 53	11 16	0 46	24 46	1 38	23 3	0 3	15 8	1 51	23 5	0 25	19 53	1 36	10 43	10 9	22 57	22 56	21 45	15 53	2 36
M29	5 43	2 28	4 23	11 35	1 4	10 53	0 49	24 49	1 37	23 2	0 3	15 8	1 51	23 5	0 25	19 52	1 36	10 43	10 9	22 57	22 56	21 46	15 54	2 36
T 30	6 6	3s39	4 51	12 26	1 15	10 31	0 52	24 51	1 37	23 2	0 3	15 9	1 51	23 5	0 25	19 52	1 36	10 44	10 8	22 58	22 57	21 47	15 55	2 36
W31	6n28	9s42	5s 0	13n16	1n25	10s 8	0s55	24n53	1n37	23s 2	0n 3	15n10	1n51	23s 4	0s25	19s52	1n36	10n44	10s 8	22s59	22s57	21n49	15n56	2s36

Julian Day Number = 2142615.5, Delta T = 15m07s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'50, Lahiri = 12°03'51 Julian Calendar 1 March 1154 == Greg. Calendar 8 March 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

APRIL 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 1	17♈22'08	27♎54	2♉59	7♓23	22♊ 0	11♑19	24°R28	15♑23	6°R11	2♊ 7	11°R58	12♑32	20♉22	22♉27	T 1
F 2	13 5 58	18°20'36	13♏ 1	4°45	8°33	22°35	11°23	24♌26	15°23	6♐10	2° 8	11♑49	12°29	20°28	22°31	F 2
S 3	13 9 55	19°19'03	28° 1	6°27	9°43	23° 9	11°27	24°25	15°24	6° 9	2° 9	11°41	12°26	20°35	22°35	S 3
S 4	13 13 51	20°17'28	12♐46	8° 6	10°53	23°44	11°30	24°23	15°24	6° 8	2°10	11°36	12°23	20°42	22°39	S 4
M 5	13 17 48	21°15'51	27°10	9°41	12° 3	24°18	11°34	24°21	15°25	6° 7	2°12	11°34	12°19	20°48	22°43	M 5
T 6	13 21 44	22°14'13	11♑12	11°12	13°13	24°53	11°37	24°20	15°25	6° 6	2°13	11°D34	12°16	20°55	22°47	T 6
W 7	13 25 41	23°12'33	24°51	12°38	14°24	25°27	11°40	24°18	15°25	6° 5	2°14	11°R34	12°13	21° 2	22°51	W 7
T 8	13 29 37	24°10'51	8♒10	14° 0	15°34	26° 2	11°43	24°17	15°26	6° 4	2°15	11°33	12°10	21° 8	22°56	T 8
F 9	13 33 34	25° 9'08	21°10	15°18	16°44	26°37	11°46	24°16	15°26	6° 3	2°16	11°31	12° 7	21°15	23° 0	F 9
S 10	13 37 30	26° 7'23	3♓55	16°31	17°55	27°12	11°48	24°15	15°26	6° 2	2°17	11°26	12° 3	21°22	23° 4	S 10
S 11	13 41 27	27° 5'37	16°27	17°39	19° 5	27°47	11°51	24°14	15°26	6° 0	2°18	11°18	12° 0	21°29	23° 8	S 11
M12	13 45 24	28° 3'49	28°49	18°43	20°16	28°21	11°53	24°13	15°26	5°59	2°19	11° 8	11°57	21°35	23°12	M12
T 13	13 49 20	29° 2'00	11♈ 2	19°41	21°27	28°56	11°55	24°12	15°R26	5°58	2°21	10°55	11°54	21°42	23°17	T 13
W14	13 53 17	0♉ 0'09	23° 7	20°35	22°37	29°31	11°57	24°12	15°26	5°57	2°22	10°43	11°51	21°49	23°21	W14
T 15	13 57 13	0°58'16	5♉ 6	21°24	23°48	0♋ 6	11°59	24°11	15°26	5°56	2°23	10°30	11°48	21°55	23°25	T 15
F 16	14 1 10	1°56'21	17° 0	22° 8	24°59	0°41	12° 0	24°11	15°26	5°54	2°24	10°18	11°44	22° 2	23°29	F 16
S 17	14 5 6	2°54'25	28°49	22°46	26° 9	1°16	12° 1	24°10	15°26	5°53	2°25	10° 9	11°41	22° 9	23°34	S 17
S 18	14 9 3	3°52'27	10♊38	23°20	27°20	1°51	12° 3	24°10	15°26	5°52	2°27	10° 3	11°38	22°15	23°38	S 18
M19	14 12 59	4°50'27	22°28	23°48	28°31	2°27	12° 3	24°10	15°26	5°50	2°28	9°59	11°35	22°22	23°43	M19
T 20	14 16 56	5°48'25	4♋22	24°11	29°42	3° 2	12° 4	24°D10	15°25	5°49	2°29	9°D57	11°32	22°29	23°47	T 20
W21	14 20 52	6°46'22	16°26	24°29	0♈53	3°37	12° 5	24°10	15°25	5°48	2°30	9°57	11°29	22°35	23°51	W21
T 22	14 24 49	7°44'17	28°44	24°42	2° 4	4°12	12° 5	24°10	15°25	5°46	2°32	9°58	11°25	22°42	23°56	T 22
F 23	14 28 46	8°42'09	11♌21	24°50	3°15	4°48	12°R 5	24°10	15°24	5°45	2°33	9°R58	11°22	22°49	24° 0	F 23
S 24	14 32 42	9°40'00	24°22	24°R53	4°26	5°23	12° 5	24°11	15°24	5°44	2°34	9°57	11°19	22°56	24° 5	S 24
S 25	14 36 39	10°37'50	7♍50	24°51	5°37	5°58	12° 5	24°11	15°23	5°42	2°35	9°54	11°16	23° 2	24° 9	S 25
M26	14 40 35	11°35'37	21°48	24°44	6°48	6°34	12° 5	24°12	15°22	5°41	2°37	9°49	11°13	23° 9	24°14	M26
T 27	14 44 32	12°33'22	6♎15	24°32	8° 0	7° 9	12° 4	24°13	15°22	5°39	2°38	9°42	11° 9	23°16	24°18	T 27
W28	14 48 28	13°31'06	21° 7	24°17	9°11	7°45	12° 3	24°13	15°21	5°38	2°39	9°34	11° 6	23°22	24°23	W28
T 29	14 52 25	14°28'49	6♏16	23°57	10°22	8°20	12° 2	24°14	15°20	5°36	2°41	9°25	11° 3	23°29	24°27	T 29
F 30	14 56 21	15♉26'30	21♏33	23♉34	11♈33	8♋56	12♑ 1	24♌15	15♑20	5♐35	2♊42	9♑18	11♑ 0	23♉36	24♉32	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n51	15s16	4s49	14n 3	1n35	9s44	0s58	24n55	1n37	23s 1	0n 2	15n10	1n51	23s 4	0s25	19s52	1n36	10n44	10s 8	23s 0	22s57	21n50	15n57	2s36
F 2	7 13	19 54	4 17	14 49	1 45	9 21	1 1	24 57	1 37	23 1	0 2	15 11	1 51	23 4	0 25	19 52	1 36	10 45	10 8	23 1	22 58	21 51	15 58	2 36
S 3	7 36	23 12	3 28	15 32	1 54	8 57	1 4	24 59	1 36	23 1	0 2	15 11	1 51	23 4	0 25	19 52	1 36	10 45	10 8	23 2	22 58	21 53	15 59	2 36
S 4	7 58	24 51	2 26	16 13	2 3	8 33	1 7	25 0	1 36	23 1	0 2	15 12	1 51	23 4	0 25	19 51	1 36	10 46	10 8	23 2	22 58	21 54	16 0	2 36
M 5	8 20	24 47	1 15	16 51	2 11	8 8	1 9	25 2	1 36	23 1	0 2	15 12	1 51	23 4	0 25	19 51	1 36	10 46	10 7	23 3	22 59	21 55	16 1	2 36
T 6	8 42	23 6	0 2	17 26	2 18	7 44	1 12	25 3	1 36	23 0	0 2	15 12	1 50	23 4	0 25	19 51	1 36	10 46	10 7	23 3	22 59	21 57	16 2	2 36
W 7	9 4	20 7	1n10	17 59	2 24	7 19	1 14	25 4	1 36	23 0	0 2	15 13	1 50	23 4	0 25	19 51	1 36	10 47	10 7	23 3	22 59	21 58	16 4	2 36
T 8	9 25	16 7	2 16	18 30	2 30	6 54	1 17	25 5	1 35	23 0	0 2	15 13	1 50	23 4	0 25	19 50	1 36	10 47	10 7	23 3	22 59	21 59	16 5	2 36
F 9	9 47	11 27	3 13	18 58	2 35	6 28	1 19	25 5	1 35	23 0	0 2	15 13	1 50	23 4	0 25	19 50	1 36	10 47	10 7	23 3	23 0	22 0	16 6	2 36
S 10	10 8	6 24	4 0	19 23	2 39	6 3	1 21	25 6	1 35	23 0	0 1	15 14	1 50	23 4	0 25	19 50	1 36	10 48	10 6	23 3	23 0	22 2	16 7	2 36
S 11	10 29	1 10	4 34	19 45	2 42	5 37	1 23	25 7	1 35	23 0	0 1	15 14	1 50	23 4	0 25	19 50	1 36	10 48	10 6	23 4	23 0	22 3	16 8	2 36
M12	10 50	4n 2	4 54	20 5	2 44	5 11	1 26	25 7	1 34	23 0	0 1	15 14	1 50	23 4	0 25	19 50	1 36	10 49	10 6	23 5	23 1	22 4	16 9	2 36
T 13	11 11	9 0	5 1	20 23	2 45	4 45	1 28	25 7	1 34	23 0	0 1	15 14	1 50	23 4	0 25	19 49	1 36	10 49	10 6	23 6	23 1	22 5	16 10	2 36
W14	11 31	13 34	4 54	20 37	2 45	4 19	1 29	25 7	1 34	23 0	0 1	15 14	1 50	23 4	0 25	19 49	1 36	10 49	10 6	23 7	23 1	22 7	16 11	2 36
T 15	11 52	17 35	4 34	20 49	2 43	3 52	1 31	25 7	1 34	23 0	0 1	15 14	1 49	23 4	0 25	19 49	1 36	10 50	10 6	23 8	23 1	22 8	16 12	2 36
F 16	12 12	20 52	4 3	20 59	2 41	3 26	1 33	25 6	1 33	23 0	0 1	15 14	1 49	23 4	0 26	19 49	1 36	10 50	10 5	23 9	23 2	22 9	16 13	2 36
S 17	12 32	23 15	3 20	21 6	2 38	2 59	1 35	25 6	1 33	23 0	0 1	15 14	1 49	23 5	0 26	19 48	1 36	10 50	10 5	23 10	23 2	22 10	16 14	2 36
S 18	12 52	24 37	2 29	21 10	2 34	2 32	1 36	25 5	1 33	23 0	0 0	15 14	1 49	23 5	0 26	19 48	1 36	10 51	10 5	23 10	23 2	22 12	16 15	2 36
M19	13 12	24 52	1 32	21 12	2 28	2 5	1 38	25 4	1 33	23 0	0 0	15 14	1 49	23 5	0 26	19 48	1 36	10 51	10 5	23 10	23 3	22 13	16 16	2 36
T 20	13 31	23 58	0 30	21 12	2 22	1 38	1 39	25 3	1 32	23 0	0 0	15 14	1 49	23 5	0 26	19 48	1 36	10 52	10 5	23 10	23 3	22 14	16 17	2 36
W21	13 50	21 58	0s35	21 9	2 14	1 11	1 40	25 2	1 32	23 0	0 0	15 14	1 49	23 5	0 26	19 47	1 36	10 52	10 5	23 10	23 3	22 15	16 18	2 36
T 22	14 9	18 54	1 39	21 3	2 5	0 44	1 42	25 1	1 32	23 0	0s 0	15 14	1 49	23 5	0 26	19 47	1 36	10 52	10 5	23 10	23 3	22 16	16 19	2 36
F 23	14 28	14 54	2 40	20 56	1 55	0 16	1 43	24 59	1 32	23 0	0 0	15 14	1 49	23 5	0 26	19 47	1 37	10 53	10 5	23 10	23 4	22 17	16 20	2 36
S 24	14 47	10 5	3 34	20 46	1 44	0n11	1 44	24 58	1 31	23 0	0 0	15 13	1 48	23 5	0 26	19 47	1 37	10 53	10 4	23 10	23 4	22 19	16 21	2 36
S 25	15 5	4 39	4 19	20 33	1 32	0 39	1 45	24 56	1 31	23 0	0 1	15 13	1 48	23 5	0 26	19 46	1 37	10 53	10 4	23 11	23 4	22 20	16 22	2 36
M26	15 23	1s11	4 51	20 19	1 19	1 6	1 45	24 54	1 31	23 1	0 1	15 13	1 48	23 5	0 26	19 46	1 37	10 54	10 4	23 11	23 4	22 21	16 23	2 36
T 27	15 41	7 9	5 5	20 3	1 5	1 34	1 46	24 52	1 31	23 1	0 1	15 13	1 48	23 5	0 26	19 46	1 37	10 54	10 4	23 12	23 5	22 22	16 24	2 36
W28	15 58	12 53	4 59	19 44	0 50	2 1	1 47	24 50	1 30	23 1	0 1	15 12	1 48	23 5	0 26	19 45	1 37	10 54	10 4	23 12	23 5	22 23	16 25	2 36
T 29	16 15	17 57	4 33	19 24	0 35	2 29	1 47	24 47	1 30	23 1	0 1	15 12	1 48	23 5	0 26	19 45	1 37	10 55	10 4	23 13	23 5	22 24	16 26	2 36
F 30	16n32	21s53	3s47	19n 3	0n19	2n56	1s48	24n45	1n30	23s 1	0s 1	15n11	1n48	23s 6	0s26	19s45	1n37	10n55	10s 4	23s13	23s 5	22n26	16n28	2s37

Julian Day Number = 2142646.5, Delta T = 15m07s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'55, Lahiri = 12°03'55 Julian Calendar 1 Apr. 1154 == Greg. Calendar 8 Apr. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

MAY 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 0 18	16♉24'10	6♐47	23°R 7	12♈45	9♋31	12°R 0	24♌17	15°R19	5°R33	2♊43	9°R13	10♑57	23♉42	24♉36	S 1
S 2	15 4 15	17°21'49	21°47	22♉38	13°56	10° 7	11♑58	24°18	15♑18	5♐32	2°45	9♑ 9	10°54	23°49	24°41	S 2
M 3	15 8 11	18°19'26	6♑26	22° 7	15° 7	10°42	11°56	24°19	15°17	5°30	2°46	9°D 8	10°50	23°56	24°45	M 3
T 4	15 12 8	19°17'03	20°40	21°35	16°19	11°18	11°55	24°21	15°16	5°29	2°47	9° 8	10°47	24° 2	24°50	T 4
W 5	15 16 4	20°14'38	4♒28	21° 1	17°30	11°53	11°52	24°22	15°15	5°27	2°49	9°10	10°44	24° 9	24°55	W 5
T 6	15 20 1	21°12'13	17°51	20°27	18°42	12°29	11°50	24°24	15°14	5°26	2°50	9°R10	10°41	24°16	24°59	T 6
F 7	15 23 57	22° 9'46	0♓51	19°53	19°53	13° 5	11°48	24°25	15°13	5°24	2°51	9°10	10°38	24°22	25° 4	F 7
S 8	15 27 54	23° 7'19	13°31	19°19	21° 5	13°41	11°45	24°27	15°12	5°23	2°53	9° 8	10°34	24°29	25° 8	S 8
S 9	15 31 50	24° 4'50	25°56	18°47	22°16	14°16	11°42	24°29	15°11	5°21	2°54	9° 4	10°31	24°36	25°13	S 9
M10	15 35 47	25° 2'21	8♈ 9	18°17	23°28	14°52	11°39	24°31	15° 9	5°20	2°56	8°58	10°28	24°43	25°18	M10
T 11	15 39 44	25°59'51	20°12	17°50	24°39	15°28	11°36	24°33	15° 8	5°18	2°57	8°51	10°25	24°49	25°22	T 11
W12	15 43 40	26°57'20	2♉ 9	17°25	25°51	16° 4	11°33	24°36	15° 7	5°16	2°58	8°43	10°22	24°56	25°27	W12
T 13	15 47 37	27°54'48	14° 2	17° 3	27° 3	16°40	11°29	24°38	15° 5	5°15	3° 0	8°36	10°19	25° 3	25°31	T 13
F 14	15 51 33	28°52'15	25°52	16°45	28°15	17°16	11°26	24°40	15° 4	5°13	3° 1	8°29	10°15	25° 9	25°36	F 14
S 15	15 55 30	29°49'41	7♊41	16°30	29°26	17°52	11°22	24°43	15° 3	5°12	3° 2	8°23	10°12	25°16	25°41	S 15
S 16	15 59 26	0♊47'06	19°31	16°20	0♉38	18°28	11°18	24°45	15° 1	5°10	3° 4	8°20	10° 9	25°23	25°45	S 16
M17	16 3 23	1°44'30	1♋25	16°14	1°50	19° 4	11°13	24°48	15° 0	5° 8	3° 5	8°18	10° 6	25°29	25°50	M17
T 18	16 7 20	2°41'54	13°25	16°D12	3° 2	19°40	11° 9	24°51	14°58	5° 7	3° 7	8°D18	10° 3	25°36	25°54	T 18
W19	16 11 16	3°39'16	25°35	16°14	4°14	20°16	11° 4	24°54	14°56	5° 5	3° 8	8°19	10° 0	25°43	25°59	W19
T 20	16 15 13	4°36'37	7♌57	16°21	5°26	20°52	11° 0	24°57	14°55	5° 3	3° 9	8°21	9°56	25°49	26° 3	T 20
F 21	16 19 9	5°33'57	20°36	16°33	6°37	21°28	10°55	25° 0	14°53	5° 2	3°11	8°22	9°53	25°56	26° 8	F 21
S 22	16 23 6	6°31'16	3♍36	16°49	7°49	22° 4	10°50	25° 3	14°52	5° 0	3°12	8°R23	9°50	26° 3	26°13	S 22
S 23	16 27 2	7°28'34	16°59	17°10	9° 1	22°41	10°45	25° 6	14°50	4°59	3°13	8°23	9°47	26° 9	26°17	S 23
M24	16 30 59	8°25'50	0♎49	17°35	10°13	23°17	10°39	25°10	14°48	4°57	3°15	8°21	9°44	26°16	26°22	M24
T 25	16 34 55	9°23'06	15° 5	18° 4	11°25	23°53	10°34	25°13	14°46	4°55	3°16	8°18	9°40	26°23	26°26	T 25
W26	16 38 52	10°20'21	29°45	18°38	12°37	24°29	10°28	25°17	14°44	4°54	3°18	8°15	9°37	26°29	26°31	W26
T 27	16 42 49	11°17'35	14♏44	19°16	13°49	25° 6	10°23	25°20	14°43	4°52	3°19	8°11	9°34	26°36	26°35	T 27
F 28	16 46 45	12°14'49	29°54	19°58	15° 1	25°42	10°17	25°24	14°41	4°51	3°20	8° 8	9°31	26°43	26°40	F 28
S 29	16 50 42	13°12'02	15♐ 6	20°44	16°14	26°18	10°11	25°28	14°39	4°49	3°22	8° 5	9°28	26°50	26°44	S 29
S 30	16 54 38	14° 9'15	0♑ 9	21°34	17°26	26°55	10° 5	25°32	14°37	4°47	3°23	8° 4	9°25	26°56	26°49	S 30
M31	16 58 35	15♊ 6'27	14♑56	22♉28	18♉38	27♋31	9♑59	25♌36	14♑35	4♐46	3♊24	8°D 4	9♑21	27♉ 3	26♉53	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n49	24s15	2s45	18n40	0n 2	3n24	1s48	24n42	1n30	23s 2	0s 1	15n11	1n48	23s 6	0s26	19s45	1n37	10n55	10s 4	23s14	23s 6	22n27	16n29	2s37
S 2	17 6	24 49	1 32	18 16	0s15	3 51	1 49	24 39	1 29	23 2	0 1	15 10	1 47	23 6	0 26	19 44	1 37	10 56	10 4	23 14	23 6	22 28	16 30	2 37
M 3	17 22	23 38	0 15	17 51	0 33	4 18	1 49	24 36	1 29	23 2	0 2	15 10	1 47	23 6	0 26	19 44	1 37	10 56	10 3	23 14	23 6	22 29	16 31	2 37
T 4	17 38	20 56	1n 2	17 26	0 50	4 46	1 49	24 32	1 29	23 3	0 2	15 9	1 47	23 6	0 26	19 44	1 37	10 56	10 3	23 14	23 7	22 30	16 32	2 37
W 5	17 53	17 5	2 12	17 0	1 8	5 13	1 49	24 29	1 29	23 3	0 2	15 8	1 47	23 6	0 26	19 44	1 37	10 57	10 3	23 14	23 7	22 31	16 33	2 37
T 6	18 9	12 29	3 13	16 35	1 25	5 40	1 49	24 25	1 28	23 3	0 2	15 8	1 47	23 6	0 26	19 43	1 37	10 57	10 3	23 14	23 7	22 32	16 34	2 37
F 7	18 24	7 27	4 2	16 10	1 41	6 8	1 49	24 22	1 28	23 4	0 2	15 7	1 47	23 7	0 26	19 43	1 37	10 57	10 3	23 14	23 7	22 33	16 35	2 37
S 8	18 38	2 13	4 38	15 45	1 58	6 35	1 49	24 18	1 28	23 4	0 2	15 6	1 47	23 7	0 26	19 43	1 37	10 58	10 3	23 14	23 8	22 34	16 36	2 37
S 9	18 53	2n58	5 1	15 21	2 13	7 2	1 49	24 14	1 27	23 4	0 2	15 6	1 47	23 7	0 26	19 42	1 37	10 58	10 3	23 14	23 8	22 36	16 37	2 37
M10	19 7	7 58	5 8	14 59	2 28	7 28	1 49	24 10	1 27	23 5	0 3	15 5	1 46	23 7	0 26	19 42	1 37	10 58	10 3	23 15	23 8	22 37	16 38	2 37
T 11	19 21	12 36	5 3	14 38	2 42	7 55	1 48	24 5	1 27	23 5	0 3	15 4	1 46	23 7	0 26	19 42	1 37	10 59	10 3	23 15	23 8	22 38	16 39	2 37
W12	19 34	16 42	4 43	14 19	2 54	8 22	1 48	24 1	1 27	23 6	0 3	15 3	1 46	23 7	0 26	19 42	1 37	10 59	10 3	23 16	23 9	22 39	16 40	2 37
T 13	19 47	20 8	4 12	14 2	3 6	8 48	1 47	23 56	1 26	23 6	0 3	15 2	1 46	23 8	0 26	19 41	1 37	10 59	10 3	23 16	23 9	22 40	16 41	2 38
F 14	20 0	22 42	3 30	13 46	3 17	9 14	1 47	23 51	1 26	23 6	0 3	15 1	1 46	23 8	0 26	19 41	1 37	11 0	10 3	23 17	23 9	22 41	16 42	2 38
S 15	20 12	24 18	2 39	13 33	3 26	9 41	1 46	23 46	1 26	23 7	0 3	15 0	1 46	23 8	0 26	19 41	1 37	11 0	10 3	23 17	23 9	22 42	16 43	2 38
S 16	20 25	24 48	1 41	13 23	3 34	10 6	1 45	23 41	1 25	23 7	0 3	14 59	1 46	23 8	0 26	19 40	1 37	11 0	10 2	23 17	23 10	22 43	16 44	2 38
M17	20 36	24 10	0 37	13 14	3 41	10 32	1 44	23 35	1 25	23 8	0 4	14 58	1 46	23 8	0 26	19 40	1 37	11 1	10 2	23 17	23 10	22 44	16 45	2 38
T 18	20 48	22 24	0s28	13 8	3 47	10 58	1 43	23 30	1 25	23 8	0 4	14 57	1 45	23 9	0 26	19 40	1 37	11 1	10 2	23 17	23 10	22 45	16 46	2 38
W19	20 59	19 36	1 33	13 4	3 52	11 23	1 42	23 24	1 24	23 9	0 4	14 56	1 45	23 9	0 26	19 40	1 37	11 1	10 2	23 17	23 10	22 46	16 47	2 38
T 20	21 10	15 52	2 35	13 3	3 55	11 48	1 41	23 18	1 24	23 10	0 4	14 55	1 45	23 9	0 26	19 39	1 37	11 1	10 2	23 17	23 11	22 47	16 48	2 38
F 21	21 20	11 21	3 31	13 4	3 57	12 13	1 40	23 12	1 24	23 10	0 4	14 54	1 45	23 9	0 26	19 39	1 37	11 2	10 2	23 17	23 11	22 48	16 49	2 38
S 22	21 30	6 14	4 18	13 7	3 59	12 37	1 39	23 6	1 24	23 11	0 4	14 53	1 45	23 9	0 26	19 39	1 37	11 2	10 2	23 17	23 11	22 49	16 49	2 38
S 23	21 39	0 41	4 52	13 13	3 59	13 1	1 38	23 0	1 23	23 11	0 5	14 52	1 45	23 10	0 27	19 38	1 37	11 2	10 2	23 17	23 11	22 50	16 50	2 39
M24	21 49	5s 4	5 11	13 21	3 58	13 25	1 37	22 54	1 23	23 12	0 5	14 50	1 45	23 10	0 27	19 38	1 37	11 3	10 2	23 17	23 11	22 51	16 51	2 39
T 25	21 58	10 45	5 11	13 30	3 56	13 49	1 35	22 47	1 23	23 12	0 5	14 49	1 45	23 10	0 27	19 38	1 37	11 3	10 2	23 17	23 12	22 52	16 52	2 39
W26	22 6	15 59	4 52	13 42	3 53	14 13	1 34	22 40	1 22	23 13	0 5	14 48	1 45	23 10	0 27	19 38	1 37	11 3	10 2	23 17	23 12	22 53	16 53	2 39
T 27	22 14	20 21	4 12	13 56	3 50	14 36	1 32	22 33	1 22	23 14	0 5	14 46	1 44	23 10	0 27	19 37	1 37	11 3	10 2	23 18	23 12	22 54	16 54	2 39
F 28	22 22	23 23	3 15	14 12	3 45	14 58	1 31	22 26	1 22	23 14	0 5	14 45	1 44	23 11	0 27	19 37	1 37	11 4	10 2	23 18	23 12	22 55	16 55	2 39
S 29	22 29	24 45	2 3	14 29	3 40	15 21	1 29	22 19	1 21	23 15	0 5	14 44	1 44	23 11	0 27	19 37	1 37	11 4	10 2	23 18	23 13	22 56	16 56	2 39
S 30	22 36	24 16	0 43	14 48	3 34	15 43	1 27	22 12	1 21	23 15	0 6	14 42	1 44	23 11	0 27	19 36	1 37	11 4	10 2	23 18	23 13	22 57	16 57	2 40
M31	22n43	22s 5	0n38	15n 8	3s27	16n 4	1s26	22n 4	1n21	23s16	0s 6	14n41	1n44	23s11	0s27	19s36	1n37	11n 4	10s 2	23s18	23s13	22n58	16n58	2s40

Julian Day Number = 2142676.5, Delta T = 15m07s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°56'59, Lahiri = 12°03'59 Julian Calendar 1 May 1154 == Greg. Calendar 8 May 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

JUNE 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 31	16♊ 3'38	29♉19	23♉26	19♉50	28♋ 7	9°R52	25♌40	14°R33	4°R44	3♊26	8♉ 5	9♉18	27♉10	26♉57	T 1
W 2	17 6 28	17° 0'50	13♒16	24°28	21° 2	28°44	9♉46	25°44	14♉31	4♐43	3°27	8° 6	9°15	27°16	27° 2	W 2
T 3	17 10 24	17°58'01	26°47	25°34	22°15	29°20	9°39	25°48	14°29	4°41	3°29	8° 8	9°12	27°23	27° 6	T 3
F 4	17 14 21	18°55'12	9♓52	26°43	23°27	29°57	9°33	25°52	14°27	4°39	3°30	8° 9	9° 9	27°30	27°11	F 4
S 5	17 18 18	19°52'23	22°35	27°56	24°39	0♌33	9°26	25°57	14°25	4°38	3°31	8°R 9	9° 6	27°36	27°15	S 5
S 6	17 22 14	20°49'34	4♈59	29°13	25°52	1°10	9°19	26° 1	14°23	4°36	3°33	8° 8	9° 2	27°43	27°19	S 6
M 7	17 26 11	21°46'45	17° 9	0♊33	27° 4	1°46	9°12	26° 5	14°20	4°35	3°34	8° 7	8°59	27°50	27°24	M 7
T 8	17 30 7	22°43'56	29° 9	1°56	28°16	2°23	9° 5	26°10	14°18	4°33	3°35	8° 5	8°56	27°56	27°28	T 8
W 9	17 34 4	23°41'08	11♉ 1	3°24	29°29	3° 0	8°58	26°15	14°16	4°32	3°37	8° 3	8°53	28° 3	27°32	W 9
T 10	17 38 0	24°38'19	22°51	4°54	0♊41	3°36	8°51	26°19	14°14	4°30	3°38	8° 1	8°50	28°10	27°37	T 10
F 11	17 41 57	25°35'30	4♊40	6°28	1°54	4°13	8°43	26°24	14°12	4°29	3°39	7°59	8°46	28°16	27°41	F 11
S 12	17 45 53	26°32'41	16°32	8° 5	3° 6	4°50	8°36	26°29	14° 9	4°27	3°40	7°58	8°43	28°23	27°45	S 12
S 13	17 49 50	27°29'52	28°28	9°46	4°19	5°27	8°29	26°34	14° 7	4°26	3°42	7°57	8°40	28°30	27°49	S 13
M14	17 53 47	28°27'04	10♋30	11°30	5°32	6° 3	8°21	26°39	14° 5	4°24	3°43	7°D57	8°37	28°36	27°53	M14
T 15	17 57 43	29°24'15	22°41	13°17	6°44	6°40	8°14	26°44	14° 2	4°23	3°44	7°57	8°34	28°43	27°57	T 15
W16	18 1 40	0♋21'26	5♌ 3	15° 6	7°57	7°17	8° 6	26°49	14° 0	4°22	3°46	7°58	8°31	28°50	28° 2	W16
T 17	18 5 36	1°18'37	17°37	16°59	9° 9	7°54	7°59	26°55	13°58	4°20	3°47	7°59	8°27	28°56	28° 6	T 17
F 18	18 9 33	2°15'47	0♍26	18°55	10°22	8°31	7°51	27° 0	13°56	4°19	3°48	7°59	8°24	29° 3	28°10	F 18
S 19	18 13 29	3°12'58	13°32	20°52	11°35	9° 8	7°43	27° 5	13°53	4°17	3°49	8° 0	8°21	29°10	28°14	S 19
S 20	18 17 26	4°10'09	26°57	22°53	12°48	9°45	7°36	27°11	13°51	4°16	3°51	8° 0	8°18	29°16	28°18	S 20
M21	18 21 22	5° 7'19	10♎42	24°55	14° 0	10°22	7°28	27°16	13°48	4°15	3°52	8°R 0	8°15	29°23	28°22	M21
T 22	18 25 19	6° 4'29	24°47	26°59	15°13	10°59	7°20	27°22	13°46	4°13	3°53	8° 0	8°12	29°30	28°25	T 22
W23	18 29 16	7° 1'40	9♏11	29° 5	16°26	11°36	7°12	27°28	13°44	4°12	3°54	8° 0	8° 8	29°36	28°29	W23
T 24	18 33 12	7°58'50	23°51	1♋11	17°39	12°13	7° 5	27°33	13°41	4°11	3°55	8°D 0	8° 5	29°43	28°33	T 24
F 25	18 37 9	8°56'01	8♐42	3°19	18°52	12°50	6°57	27°39	13°39	4° 9	3°56	8° 0	8° 2	29°50	28°37	F 25
S 26	18 41 5	9°53'11	23°37	5°28	20° 5	13°27	6°49	27°45	13°37	4° 8	3°58	8° 0	7°59	29°57	28°41	S 26
S 27	18 45 2	10°50'22	8♑28	7°36	21°18	14° 4	6°42	27°51	13°34	4° 7	3°59	8°R 0	7°56	0♊ 3	28°45	S 27
M28	18 48 58	11°47'34	23° 8	9°45	22°31	14°41	6°34	27°57	13°32	4° 6	4° 0	8° 0	7°52	0°10	28°48	M28
T 29	18 52 55	12°44'46	7♒30	11°53	23°44	15°18	6°26	28° 3	13°29	4° 5	4° 1	7°59	7°49	0°17	28°52	T 29
W30	18 56 52	13♋41'58	21♒30	14♋ 1	24♊57	15♌56	6♑19	28♌ 9	13♑27	4♐ 3	4♊ 2	7♑59	7♑46	0♊23	28♉56	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	18s31	1n54	15n29	3s20	16n26	1s24	21n57	1n20	23s17	0s 6	14n39	1n44	23s12	0s27	19s36	1n37	11n 5	10s 2	23s18	23s13	22n59	16n59	2s40
W 2	22 55	14 0	3 2	15 52	3 12	16 47	1 22	21 49	1 20	23 17	0 6	14 38	1 44	23 12	0 27	19 36	1 37	11 5	10 2	23 18	23 13	23 0	16 59	2 40
T 3	23 0	8 56	3 57	16 16	3 3	17 7	1 20	21 41	1 20	23 18	0 6	14 36	1 44	23 12	0 27	19 35	1 37	11 5	10 2	23 18	23 14	23 0	17 0	2 40
F 4	23 5	3 37	4 38	16 41	2 54	17 27	1 18	21 33	1 20	23 19	0 6	14 35	1 44	23 12	0 27	19 35	1 37	11 5	10 2	23 18	23 14	23 1	17 1	2 40
S 5	23 10	1n42	5 4	17 7	2 45	17 47	1 16	21 25	1 19	23 19	0 7	14 33	1 44	23 13	0 27	19 35	1 36	11 6	10 2	23 18	23 14	23 2	17 2	2 40
S 6	23 14	6 48	5 15	17 33	2 35	18 6	1 15	21 16	1 19	23 20	0 7	14 32	1 43	23 13	0 27	19 35	1 36	11 6	10 2	23 18	23 14	23 3	17 3	2 41
M 7	23 18	11 34	5 12	18 1	2 24	18 25	1 12	21 8	1 19	23 21	0 7	14 30	1 43	23 13	0 27	19 34	1 36	11 6	10 2	23 18	23 15	23 4	17 4	2 41
T 8	23 21	15 48	4 55	18 28	2 13	18 43	1 10	20 59	1 18	23 21	0 7	14 28	1 43	23 13	0 27	19 34	1 36	11 6	10 2	23 18	23 15	23 5	17 4	2 41
W 9	23 24	19 24	4 25	18 56	2 2	19 1	1 8	20 50	1 18	23 22	0 7	14 27	1 43	23 14	0 27	19 34	1 36	11 6	10 2	23 18	23 15	23 6	17 5	2 41
T 10	23 26	22 11	3 44	19 24	1 50	19 19	1 6	20 42	1 18	23 22	0 7	14 25	1 43	23 14	0 27	19 34	1 36	11 7	10 2	23 18	23 15	23 7	17 6	2 41
F 11	23 29	24 1	2 54	19 52	1 39	19 36	1 4	20 32	1 17	23 23	0 7	14 23	1 43	23 14	0 27	19 33	1 36	11 7	10 2	23 18	23 15	23 8	17 7	2 41
S 12	23 30	24 47	1 56	20 20	1 27	19 52	1 2	20 23	1 17	23 24	0 8	14 21	1 43	23 14	0 27	19 33	1 36	11 7	10 2	23 19	23 16	23 8	17 8	2 42
S 13	23 32	24 25	0 52	20 47	1 15	20 8	0 59	20 14	1 17	23 24	0 8	14 20	1 43	23 15	0 27	19 33	1 36	11 7	10 2	23 19	23 16	23 9	17 8	2 42
M14	23 32	22 54	0s14	21 14	1 2	20 23	0 57	20 4	1 16	23 25	0 8	14 18	1 43	23 15	0 27	19 33	1 36	11 7	10 3	23 19	23 16	23 10	17 9	2 42
T 15	23 33	20 18	1 21	21 40	0 50	20 38	0 55	19 55	1 16	23 26	0 8	14 16	1 43	23 15	0 27	19 32	1 36	11 7	10 3	23 19	23 16	23 11	17 10	2 42
W16	23 33	16 45	2 25	22 5	0 38	20 52	0 52	19 45	1 16	23 26	0 8	14 14	1 43	23 15	0 27	19 32	1 36	11 8	10 3	23 19	23 16	23 12	17 11	2 42
T 17	23 33	12 24	3 23	22 29	0 26	21 6	0 50	19 35	1 15	23 27	0 8	14 12	1 43	23 16	0 27	19 32	1 36	11 8	10 3	23 18	23 17	23 13	17 11	2 42
F 18	23 32	7 26	4 12	22 51	0 14	21 19	0 48	19 25	1 15	23 27	0 9	14 10	1 42	23 16	0 27	19 32	1 36	11 8	10 3	23 18	23 17	23 14	17 12	2 43
S 19	23 31	2 3	4 49	23 11	0 3	21 32	0 45	19 15	1 14	23 28	0 9	14 8	1 42	23 16	0 27	19 31	1 36	11 8	10 3	23 18	23 17	23 14	17 13	2 43
S 20	23 29	3s33	5 12	23 30	0n 9	21 44	0 43	19 5	1 14	23 29	0 9	14 6	1 42	23 16	0 27	19 31	1 36	11 8	10 3	23 18	23 17	23 15	17 13	2 43
M21	23 27	9 6	5 17	23 47	0 20	21 55	0 40	18 54	1 14	23 29	0 9	14 4	1 42	23 17	0 27	19 31	1 36	11 8	10 3	23 18	23 17	23 16	17 14	2 43
T 22	23 25	14 21	5 4	24 1	0 30	22 6	0 38	18 44	1 13	23 30	0 9	14 2	1 42	23 17	0 27	19 31	1 36	11 9	10 3	23 18	23 18	23 17	17 15	2 43
W23	23 22	18 54	4 32	24 13	0 40	22 16	0 35	18 33	1 13	23 30	0 9	14 0	1 42	23 17	0 27	19 31	1 36	11 9	10 3	23 18	23 18	23 18	17 15	2 44
T 24	23 18	22 24	3 41	24 22	0 50	22 26	0 33	18 23	1 13	23 31	0 9	13 58	1 42	23 17	0 27	19 30	1 36	11 9	10 3	23 18	23 18	23 18	17 16	2 44
F 25	23 15	24 25	2 36	24 29	0 59	22 35	0 30	18 12	1 12	23 31	0 10	13 56	1 42	23 18	0 27	19 30	1 36	11 9	10 3	23 18	23 18	23 19	17 17	2 44
S 26	23 11	24 43	1 19	24 33	1 7	22 43	0 28	18 1	1 12	23 32	0 10	13 54	1 42	23 18	0 27	19 30	1 36	11 9	10 3	23 18	23 18	23 20	17 17	2 44
S 27	23 6	23 14	0n 3	24 34	1 14	22 50	0 25	17 50	1 12	23 33	0 10	13 52	1 42	23 18	0 27	19 30	1 36	11 9	10 3	23 18	23 19	23 21	17 18	2 44
M28	23 1	20 11	1 23	24 32	1 21	22 57	0 23	17 38	1 11	23 33	0 10	13 50	1 42	23 18	0 27	19 30	1 36	11 9	10 3	23 18	23 19	23 21	17 18	2 45
T 29	22 56	15 57	2 37	24 28	1 27	23 4	0 20	17 27	1 11	23 34	0 10	13 48	1 42	23 19	0 27	19 29	1 36	11 9	10 4	23 18	23 19	23 22	17 19	2 45
W30	22n50	10s57	3n39	24n20	1n32	23n10	0s18	17n15	1n11	23s34	0s10	13n46	1n42	23s19	0s27	19s29	1n36	11n10	10s 4	23s18	23s19	23n23	17n20	2s45

Julian Day Number = 2142707.5, Delta T = 15m07s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'03, Lahiri = 12°04'03 Julian Calendar 1 June 1154 == Greg. Calendar 8 June 1154

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JULY 1154 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 48	14♋39'11	5♓ 5	16♋ 9	26♊10	16♌33	6°R11	28♌15	13°R24	4°R 2	4♊ 3	7°R58	7♑43	0♊30	28♉59	T 1
F 2	19 4 45	15°36'25	18°15	18°15	27°23	17°10	6♑ 4	28°21	13♑22	4♐ 1	4° 4	7♑57	7°40	0°37	29° 3	F 2
S 3	19 8 41	16°33'40	1♈ 2	20°20	28°36	17°47	5°56	28°27	13°20	4° 0	4° 5	7°57	7°37	0°43	29° 6	S 3
S 4	19 12 38	17°30'56	13°29	22°24	29°49	18°25	5°49	28°33	13°17	3°59	4° 6	7°D56	7°33	0°50	29°10	S 4
M 5	19 16 34	18°28'12	25°40	24°27	1♋ 2	19° 2	5°41	28°40	13°15	3°58	4° 8	7°56	7°30	0°57	29°13	M 5
T 6	19 20 31	19°25'30	7♉39	26°28	2°16	19°39	5°34	28°46	13°12	3°57	4° 9	7°57	7°27	1° 3	29°17	T 6
W 7	19 24 27	20°22'48	19°31	28°28	3°29	20°17	5°27	28°52	13°10	3°56	4°10	7°58	7°24	1°10	29°20	W 7
T 8	19 28 24	21°20'08	1♊20	0♌27	4°42	20°54	5°19	28°59	13° 8	3°55	4°11	7°59	7°21	1°17	29°23	T 8
F 9	19 32 21	22°17'28	13°11	2°23	5°55	21°32	5°12	29° 5	13° 5	3°54	4°12	8° 0	7°18	1°23	29°26	F 9
S 10	19 36 17	23°14'50	25° 6	4°19	7° 9	22° 9	5° 5	29°12	13° 3	3°53	4°13	8° 1	7°14	1°30	29°30	S 10
S 11	19 40 14	24°12'12	7♋10	6°12	8°22	22°47	4°58	29°18	13° 1	3°52	4°14	8°R 2	7°11	1°37	29°33	S 11
M12	19 44 10	25° 9'36	19°24	8° 4	9°36	23°24	4°52	29°25	12°58	3°51	4°14	8° 1	7° 8	1°43	29°36	M12
T 13	19 48 7	26° 7'00	1♌51	9°54	10°49	24° 2	4°45	29°32	12°56	3°51	4°15	8° 0	7° 5	1°50	29°39	T 13
W14	19 52 3	27° 4'25	14°31	11°43	12° 3	24°40	4°38	29°38	12°54	3°50	4°16	7°58	7° 2	1°57	29°42	W14
T 15	19 56 0	28° 1'51	27°24	13°30	13°16	25°17	4°32	29°45	12°51	3°49	4°17	7°55	6°58	2° 3	29°45	T 15
F 16	19 59 56	28°59'18	10♍32	15°15	14°30	25°55	4°25	29°52	12°49	3°48	4°18	7°52	6°55	2°10	29°48	F 16
S 17	20 3 53	29°56'45	23°53	16°59	15°43	26°33	4°19	29°59	12°47	3°47	4°19	7°49	6°52	2°17	29°51	S 17
S 18	20 7 50	0♌54'13	7♎28	18°41	16°57	27°11	4°13	0♍ 6	12°45	3°47	4°20	7°47	6°49	2°23	29°54	S 18
M19	20 11 46	1°51'43	21°17	20°22	18°11	27°48	4° 7	0°12	12°42	3°46	4°21	7°46	6°46	2°30	29°56	M19
T 20	20 15 43	2°49'13	5♏17	22° 1	19°24	28°26	4° 1	0°19	12°40	3°45	4°21	7°D45	6°43	2°37	29°59	T 20
W21	20 19 39	3°46'43	19°29	23°38	20°38	29° 4	3°55	0°26	12°38	3°45	4°22	7°46	6°39	2°43	0♊ 2	W21
T 22	20 23 36	4°44'15	3♐49	25°14	21°52	29°42	3°49	0°33	12°36	3°44	4°23	7°47	6°36	2°50	0° 4	T 22
F 23	20 27 32	5°41'48	18°17	26°48	23° 5	0♍20	3°44	0°40	12°34	3°44	4°24	7°49	6°33	2°57	0° 7	F 23
S 24	20 31 29	6°39'22	2♑47	28°21	24°19	0°58	3°38	0°47	12°31	3°43	4°25	7°R49	6°30	3° 3	0° 9	S 24
S 25	20 35 25	7°36'56	17°15	29°52	25°33	1°36	3°33	0°55	12°29	3°43	4°25	7°49	6°27	3°10	0°12	S 25
M26	20 39 22	8°34'32	1♒36	1♍21	26°47	2°14	3°28	1° 2	12°27	3°42	4°26	7°48	6°24	3°17	0°14	M26
T 27	20 43 19	9°32'09	15°45	2°49	28° 1	2°52	3°23	1° 9	12°25	3°42	4°27	7°44	6°20	3°23	0°17	T 27
W28	20 47 15	10°29'47	29°36	4°15	29°15	3°30	3°18	1°16	12°23	3°41	4°27	7°40	6°17	3°30	0°19	W28
T 29	20 51 12	11°27'27	13♓ 8	5°40	0♌28	4° 8	3°14	1°23	12°21	3°41	4°28	7°35	6°14	3°37	0°21	T 29
F 30	20 55 8	12°25'08	26°17	7° 3	1°42	4°46	3° 9	1°30	12°19	3°41	4°29	7°29	6°11	3°43	0°23	F 30
S 31	20 59 5	13♌22'51	9♈ 5	8♍24	2♌56	5♍24	3♑ 5	1♍38	12♑17	3♐40	4♊29	7♑25	6♑ 8	3♊50	0♊25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n44	5s33	4n27	24n10	1n37	23n15	0s15	17n 4	1n10	23s35	0s10	13n43	1n42	23s19	0s27	19s29	1n36	11n10	10s 4	23s18	23s19	23n24	17n20	2s45
F 2	22 38	0 5	4 59	23 58	1 41	23 19	0 12	16 52	1 10	23 35	0 11	13 41	1 42	23 19	0 27	19 29	1 36	11 10	10 4	23 19	23 20	23 24	17 21	2 45
S 3	22 31	5n13	5 15	23 43	1 44	23 23	0 10	16 40	1 9	23 36	0 11	13 39	1 41	23 20	0 27	19 29	1 36	11 10	10 4	23 19	23 20	23 25	17 21	2 46
S 4	22 24	10 11	5 16	23 25	1 46	23 26	0 7	16 28	1 9	23 36	0 11	13 37	1 41	23 20	0 27	19 29	1 36	11 10	10 4	23 19	23 20	23 26	17 22	2 46
M 5	22 16	14 39	5 2	23 5	1 48	23 28	0 5	16 16	1 9	23 37	0 11	13 35	1 41	23 20	0 27	19 29	1 35	11 10	10 4	23 19	23 20	23 27	17 22	2 46
T 6	22 8	18 28	4 36	22 44	1 48	23 30	0 2	16 4	1 8	23 37	0 11	13 32	1 41	23 20	0 27	19 28	1 35	11 10	10 4	23 19	23 20	23 27	17 23	2 46
W 7	22 0	21 30	3 58	22 20	1 49	23 30	0n 0	15 52	1 8	23 37	0 11	13 30	1 41	23 21	0 27	19 28	1 35	11 10	10 4	23 19	23 20	23 28	17 23	2 47
T 8	21 51	23 37	3 10	21 54	1 48	23 31	0 3	15 40	1 8	23 38	0 11	13 28	1 41	23 21	0 27	19 28	1 35	11 10	10 5	23 18	23 21	23 29	17 24	2 47
F 9	21 42	24 41	2 13	21 27	1 47	23 30	0 5	15 27	1 7	23 38	0 12	13 25	1 41	23 21	0 27	19 28	1 35	11 10	10 5	23 18	23 21	23 29	17 24	2 47
S 10	21 32	24 38	1 11	20 58	1 45	23 29	0 8	15 15	1 7	23 39	0 12	13 23	1 41	23 21	0 27	19 28	1 35	11 10	10 5	23 18	23 21	23 30	17 25	2 47
S 11	21 22	23 26	0 5	20 28	1 43	23 27	0 10	15 2	1 6	23 39	0 12	13 21	1 41	23 22	0 27	19 28	1 35	11 10	10 5	23 18	23 21	23 31	17 25	2 48
M12	21 12	21 6	1s 3	19 57	1 40	23 25	0 13	14 49	1 6	23 39	0 12	13 18	1 41	23 22	0 27	19 28	1 35	11 10	10 5	23 18	23 21	23 31	17 26	2 48
T 13	21 1	17 46	2 8	19 24	1 37	23 22	0 15	14 36	1 6	23 40	0 12	13 16	1 41	23 22	0 27	19 27	1 35	11 10	10 5	23 18	23 22	23 32	17 26	2 48
W14	20 50	13 33	3 8	18 51	1 33	23 18	0 18	14 23	1 5	23 40	0 12	13 14	1 41	23 22	0 27	19 27	1 35	11 10	10 5	23 19	23 22	23 33	17 26	2 48
T 15	20 39	8 41	4 0	18 16	1 29	23 13	0 20	14 10	1 5	23 41	0 12	13 11	1 41	23 23	0 27	19 27	1 35	11 10	10 5	23 19	23 22	23 33	17 27	2 49
F 16	20 27	3 20	4 40	17 40	1 24	23 8	0 22	13 57	1 5	23 41	0 12	13 9	1 41	23 23	0 27	19 27	1 35	11 10	10 6	23 19	23 22	23 34	17 27	2 49
S 17	20 15	2s14	5 5	17 4	1 19	23 2	0 25	13 44	1 4	23 41	0 13	13 6	1 41	23 23	0 27	19 27	1 35	11 10	10 6	23 19	23 22	23 35	17 27	2 49
S 18	20 3	7 47	5 15	16 27	1 14	22 55	0 27	13 30	1 4	23 42	0 13	13 4	1 41	23 23	0 27	19 27	1 35	11 11	10 6	23 19	23 22	23 35	17 28	2 49
M19	19 50	13 3	5 6	15 50	1 8	22 48	0 29	13 17	1 3	23 42	0 13	13 1	1 41	23 23	0 27	19 27	1 35	11 11	10 6	23 19	23 23	23 36	17 28	2 50
T 20	19 37	17 43	4 39	15 12	1 1	22 40	0 32	13 3	1 3	23 42	0 13	12 59	1 41	23 24	0 27	19 27	1 35	11 11	10 6	23 19	23 23	23 37	17 28	2 50
W21	19 24	21 27	3 55	14 34	0 55	22 31	0 34	12 50	1 3	23 43	0 13	12 56	1 41	23 24	0 27	19 27	1 35	11 11	10 6	23 19	23 23	23 37	17 29	2 50
T 22	19 10	23 53	2 56	13 55	0 48	22 22	0 36	12 36	1 2	23 43	0 13	12 54	1 41	23 24	0 27	19 27	1 35	11 10	10 6	23 19	23 23	23 38	17 29	2 50
F 23	18 56	24 47	1 45	13 16	0 41	22 12	0 38	12 22	1 2	23 43	0 13	12 51	1 41	23 24	0 27	19 27	1 35	11 10	10 7	23 19	23 23	23 38	17 29	2 51
S 24	18 42	23 59	0 28	12 37	0 33	22 1	0 41	12 8	1 1	23 43	0 13	12 49	1 41	23 24	0 27	19 27	1 35	11 10	10 7	23 19	23 23	23 39	17 30	2 51
S 25	18 27	21 35	0n51	11 58	0 25	21 50	0 43	11 54	1 1	23 44	0 14	12 46	1 41	23 25	0 27	19 27	1 34	11 10	10 7	23 19	23 23	23 40	17 30	2 51
M26	18 12	17 50	2 7	11 19	0 17	21 38	0 45	11 40	1 1	23 44	0 14	12 44	1 41	23 25	0 27	19 27	1 34	11 10	10 7	23 19	23 24	23 40	17 30	2 51
T 27	17 57	13 7	3 13	10 39	0 9	21 25	0 47	11 26	1 0	23 44	0 14	12 41	1 41	23 25	0 27	19 27	1 34	11 10	10 7	23 19	23 24	23 41	17 30	2 52
W28	17 41	7 49	4 6	10 0	0 1	21 12	0 49	11 12	1 0	23 44	0 14	12 39	1 41	23 25	0 27	19 27	1 34	11 10	10 7	23 20	23 24	23 41	17 30	2 52
T 29	17 25	2 17	4 44	9 21	0s 8	20 58	0 51	10 58	0 59	23 45	0 14	12 36	1 41	23 25	0 27	19 27	1 34	11 10	10 7	23 20	23 24	23 42	17 31	2 52
F 30	17 9	3n11	5 6	8 42	0 17	20 44	0 53	10 43	0 59	23 45	0 14	12 33	1 41	23 26	0 27	19 27	1 34	11 10	10 8	23 20	23 24	23 43	17 31	2 53
S 31	16n53	8n23	5n11	8n 3	0s26	20n28	0n54	10n29	0n59	23s45	0s14	12n31	1n41	23s26	0s27	19s27	1n34	11n10	10s 8	23s20	23s24	23n43	17n31	2s53

Julian Day Number = 2142737.5, Delta T = 15m07s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'07, Lahiri = 12°04'08 Julian Calendar 1 July 1154 == Greg. Calendar 8 July 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

AUGUST 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 1	14♌20'35	21♈33	9♍44	4♌10	6♍ 2	3°R 1	1♍45	12°R15	3°R40	4♊30	7°R21	6♉ 4	3♊57	0♊27	S 1
M 2	21 6 58	15°18'22	3♉45	11° 2	5°25	6°41	2♉57	1°52	12♉13	3♐40	4°30	7♉18	6° 1	4° 3	0°29	M 2
T 3	21 10 54	16°16'09	15°44	12°17	6°39	7°19	2°53	1°59	12°11	3°40	4°31	7°D18	5°58	4°10	0°31	T 3
W 4	21 14 51	17°13'59	27°36	13°31	7°53	7°57	2°49	2° 7	12°10	3°39	4°31	7°18	5°55	4°17	0°33	W 4
T 5	21 18 48	18°11'51	9♊26	14°44	9° 7	8°36	2°46	2°14	12° 8	3°39	4°32	7°20	5°52	4°23	0°35	T 5
F 6	21 22 44	19° 9'44	21°18	15°54	10°21	9°14	2°43	2°22	12° 6	3°39	4°32	7°21	5°49	4°30	0°37	F 6
S 7	21 26 41	20° 7'39	3♋17	17° 2	11°35	9°52	2°39	2°29	12° 4	3°39	4°33	7°R22	5°45	4°37	0°38	S 7
S 8	21 30 37	21° 5'36	15°28	18° 7	12°49	10°31	2°37	2°36	12° 3	3°39	4°33	7°22	5°42	4°43	0°40	S 8
M 9	21 34 34	22° 3'35	27°54	19°11	14° 4	11° 9	2°34	2°44	12° 1	3°D39	4°34	7°20	5°39	4°50	0°42	M 9
T 10	21 38 30	23° 1'35	10♌36	20°12	15°18	11°48	2°31	2°51	11°59	3°39	4°34	7°16	5°36	4°57	0°43	T 10
W11	21 42 27	23°59'37	23°36	21°10	16°32	12°27	2°29	2°59	11°58	3°39	4°35	7°10	5°33	5° 3	0°44	W11
T 12	21 46 23	24°57'40	6♍53	22° 6	17°47	13° 5	2°27	3° 6	11°56	3°39	4°35	7° 2	5°30	5°10	0°46	T 12
F 13	21 50 20	25°55'46	20°26	22°59	19° 1	13°44	2°25	3°14	11°55	3°39	4°35	6°54	5°26	5°17	0°47	F 13
S 14	21 54 17	26°53'52	4♎11	23°48	20°15	14°22	2°23	3°21	11°53	3°39	4°36	6°46	5°23	5°23	0°48	S 14
S 15	21 58 13	27°52'01	18° 6	24°35	21°30	15° 1	2°21	3°28	11°52	3°39	4°36	6°39	5°20	5°30	0°50	S 15
M16	22 2 10	28°50'10	2♏ 8	25°18	22°44	15°40	2°20	3°36	11°50	3°40	4°36	6°34	5°17	5°37	0°51	M16
T 17	22 6 6	29°48'22	16°15	25°57	23°59	16°19	2°19	3°43	11°49	3°40	4°36	6°31	5°14	5°43	0°52	T 17
W18	22 10 3	0♍46'35	0♐23	26°32	25°13	16°57	2°18	3°51	11°48	3°40	4°37	6°D31	5°10	5°50	0°53	W18
T 19	22 13 59	1°44'49	14°32	27° 3	26°28	17°36	2°17	3°58	11°46	3°40	4°37	6°31	5° 7	5°57	0°53	T 19
F 20	22 17 56	2°43'05	28°40	27°29	27°42	18°15	2°16	4° 6	11°45	3°41	4°37	6°32	5° 4	6° 3	0°54	F 20
S 21	22 21 52	3°41'23	12♑46	27°51	28°57	18°54	2°16	4°13	11°44	3°41	4°37	6°R32	5° 1	6°10	0°55	S 21
S 22	22 25 49	4°39'42	26°48	28° 7	0♍11	19°33	2°15	4°21	11°43	3°41	4°38	6°30	4°58	6°17	0°56	S 22
M23	22 29 46	5°38'03	10♒44	28°18	1°26	20°12	2°D15	4°28	11°42	3°42	4°38	6°26	4°55	6°23	0°56	M23
T 24	22 33 42	6°36'25	24°30	28°R23	2°41	20°51	2°15	4°36	11°41	3°42	4°38	6°19	4°51	6°30	0°57	T 24
W25	22 37 39	7°34'49	8♓ 3	28°21	3°55	21°30	2°16	4°43	11°40	3°43	4°38	6°10	4°48	6°37	0°57	W25
T 26	22 41 35	8°33'15	21°21	28°14	5°10	22° 9	2°16	4°51	11°39	3°43	4°38	6° 0	4°45	6°43	0°58	T 26
F 27	22 45 32	9°31'43	4♈21	28° 0	6°24	22°48	2°17	4°58	11°38	3°44	4°38	5°49	4°42	6°50	0°58	F 27
S 28	22 49 28	10°30'13	17° 4	27°38	7°39	23°28	2°18	5° 6	11°37	3°45	4°38	5°39	4°39	6°57	0°59	S 28
S 29	22 53 25	11°28'46	29°29	27°10	8°54	24° 7	2°19	5°13	11°36	3°45	4°R38	5°30	4°35	7° 3	0°59	S 29
M30	22 57 21	12°27'20	11♉39	26°35	10° 9	24°46	2°20	5°21	11°35	3°46	4°38	5°23	4°32	7°10	0°59	M30
T 31	23 1 18	13♍25'57	23♉38	25♍54	11♍23	25♍25	2♑22	5♍28	11♑34	3♐47	4♊38	5♑19	4♑29	7♊17	0♊59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n36	13n 6	5n 2	7n25	0s35	20n13	0n56	10n14	0n58	23s45	0s14	12n28	1n41	23s26	0s27	19s27	1n34	11n10	10s 8	23s21	23s25	23n44	17n31	2s53
M 2	16 19	17 12	4 39	6 47	0 44	19 57	0 58	10 0	0 58	23 45	0 14	12 26	1 41	23 26	0 27	19 27	1 34	11 10	10 8	23 21	23 25	23 44	17 31	2 53
T 3	16 2	20 31	4 4	6 9	0 54	19 40	1 0	9 45	0 57	23 46	0 15	12 23	1 41	23 26	0 27	19 27	1 34	11 10	10 8	23 21	23 25	23 45	17 31	2 54
W 4	15 44	22 57	3 19	5 32	1 3	19 22	1 1	9 30	0 57	23 46	0 15	12 20	1 41	23 26	0 27	19 27	1 34	11 10	10 8	23 21	23 25	23 45	17 31	2 54
T 5	15 27	24 22	2 26	4 56	1 13	19 4	1 3	9 15	0 57	23 46	0 15	12 18	1 41	23 27	0 27	19 27	1 34	11 10	10 9	23 21	23 25	23 46	17 32	2 54
F 6	15 9	24 42	1 26	4 20	1 22	18 46	1 5	9 1	0 56	23 46	0 15	12 15	1 41	23 27	0 27	19 27	1 34	11 10	10 9	23 21	23 25	23 46	17 32	2 54
S 7	14 50	23 53	0 22	3 44	1 32	18 27	1 6	8 46	0 56	23 46	0 15	12 12	1 41	23 27	0 27	19 27	1 34	11 10	10 9	23 21	23 25	23 47	17 32	2 55
S 8	14 32	21 55	0s44	3 10	1 42	18 7	1 8	8 31	0 55	23 46	0 15	12 10	1 41	23 27	0 27	19 27	1 34	11 10	10 9	23 21	23 26	23 47	17 32	2 55
M 9	14 13	18 54	1 49	2 36	1 51	17 47	1 9	8 16	0 55	23 47	0 15	12 7	1 41	23 27	0 27	19 27	1 34	11 9	10 9	23 21	23 26	23 48	17 32	2 55
T 10	13 54	14 56	2 50	2 3	2 1	17 26	1 10	8 0	0 54	23 47	0 15	12 4	1 41	23 27	0 27	19 27	1 34	11 9	10 10	23 21	23 26	23 48	17 32	2 56
W11	13 35	10 12	3 43	1 31	2 11	17 5	1 12	7 45	0 54	23 47	0 15	12 2	1 41	23 27	0 27	19 27	1 34	11 9	10 10	23 21	23 26	23 49	17 32	2 56
T 12	13 16	4 55	4 26	1 0	2 20	16 44	1 13	7 30	0 54	23 47	0 15	11 59	1 41	23 28	0 27	19 27	1 33	11 9	10 10	23 22	23 26	23 49	17 32	2 56
F 13	12 56	0s42	4 54	0 31	2 30	16 22	1 14	7 15	0 53	23 47	0 15	11 56	1 41	23 28	0 27	19 27	1 33	11 9	10 10	23 22	23 26	23 50	17 32	2 57
S 14	12 36	6 21	5 7	0 2	2 39	15 59	1 15	6 59	0 53	23 47	0 16	11 54	1 41	23 28	0 27	19 27	1 33	11 9	10 10	23 23	23 26	23 50	17 32	2 57
S 15	12 16	11 46	5 1	0s24	2 48	15 36	1 16	6 44	0 52	23 47	0 16	11 51	1 41	23 28	0 27	19 27	1 33	11 9	10 10	23 23	23 26	23 51	17 32	2 57
M16	11 56	16 36	4 37	0 50	2 57	15 13	1 17	6 28	0 52	23 47	0 16	11 48	1 41	23 28	0 27	19 27	1 33	11 9	10 11	23 23	23 27	23 51	17 32	2 57
T 17	11 36	20 33	3 57	1 13	3 6	14 49	1 18	6 13	0 51	23 48	0 16	11 46	1 41	23 28	0 27	19 27	1 33	11 9	10 11	23 23	23 27	23 51	17 32	2 58
W18	11 15	23 17	3 1	1 35	3 14	14 25	1 19	5 57	0 51	23 48	0 16	11 43	1 41	23 28	0 27	19 27	1 33	11 8	10 11	23 23	23 27	23 52	17 31	2 58
T 19	10 54	24 33	1 55	1 55	3 22	14 0	1 20	5 42	0 50	23 48	0 16	11 40	1 41	23 28	0 27	19 28	1 33	11 8	10 11	23 23	23 27	23 52	17 31	2 58
F 20	10 33	24 15	0 42	2 12	3 30	13 35	1 21	5 26	0 50	23 48	0 16	11 37	1 41	23 28	0 27	19 28	1 33	11 8	10 11	23 23	23 27	23 53	17 31	2 59
S 21	10 12	22 23	0n33	2 28	3 37	13 10	1 21	5 10	0 50	23 48	0 16	11 35	1 42	23 29	0 27	19 28	1 33	11 8	10 11	23 23	23 27	23 53	17 31	2 59
S 22	9 51	19 9	1 46	2 40	3 44	12 44	1 22	4 54	0 49	23 48	0 16	11 32	1 42	23 29	0 27	19 28	1 33	11 8	10 12	23 23	23 27	23 54	17 31	2 59
M23	9 29	14 52	2 52	2 50	3 50	12 18	1 23	4 39	0 49	23 48	0 16	11 29	1 42	23 29	0 27	19 28	1 33	11 8	10 12	23 24	23 27	23 54	17 31	3 0
T 24	9 8	9 51	3 47	2 56	3 55	11 52	1 23	4 23	0 48	23 48	0 16	11 27	1 42	23 29	0 27	19 28	1 33	11 8	10 12	23 24	23 28	23 54	17 31	3 0
W25	8 46	4 27	4 28	3 0	3 59	11 25	1 24	4 7	0 48	23 48	0 17	11 24	1 42	23 29	0 27	19 28	1 33	11 7	10 12	23 24	23 28	23 55	17 30	3 0
T 26	8 24	1n 3	4 54	3 0	4 2	10 58	1 24	3 51	0 47	23 48	0 17	11 21	1 42	23 29	0 27	19 29	1 33	11 7	10 12	23 25	23 28	23 55	17 30	3 0
F 27	8 2	6 22	5 3	2 56	4 4	10 30	1 24	3 35	0 47	23 48	0 17	11 19	1 42	23 29	0 27	19 29	1 33	11 7	10 13	23 25	23 28	23 56	17 30	3 1
S 28	7 40	11 18	4 57	2 48	4 5	10 3	1 25	3 19	0 46	23 49	0 17	11 16	1 42	23 29	0 27	19 29	1 33	11 7	10 13	23 26	23 28	23 56	17 30	3 1
S 29	7 17	15 40	4 38	2 37	4 5	9 35	1 25	3 3	0 46	23 49	0 17	11 13	1 42	23 29	0 27	19 29	1 32	11 7	10 13	23 26	23 28	23 56	17 29	3 1
M30	6 55	19 17	4 5	2 21	4 2	9 6	1 25	2 47	0 45	23 49	0 17	11 10	1 42	23 29	0 27	19 29	1 32	11 7	10 13	23 26	23 28	23 57	17 29	3 2
T 31	6n33	22n 2	3n23	2s 1	3s59	8n38	1n25	2n31	0n45	23s49	0s17	11n 8	1n42	23s29	0s27	19s29	1n32	11n 6	10s13	23s27	23s28	23n57	17n29	3s 2

Julian Day Number = 2142768.5, Delta T = 15m06s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'11, Lahiri = 12°04'12 Julian Calendar 1 Aug. 1154 == Greg. Calendar 8 Aug. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

SEPTEMBER 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 5 14	14♍24'36	5♊29	25°R 6	12♍38	26♍ 5	2♑23	5♍36	11°R34	3♐47	4°R38	5°R17	4♑26	7♊23	0°R59	W 1
T 2	23 9 11	15°23'17	17°17	24♍12	13°53	26°44	2°25	5°43	11♑33	3°48	4♊38	5°D17	4°23	7°30	0♊59	T 2
F 3	23 13 8	16°22'01	29° 9	23°14	15° 8	27°23	2°27	5°51	11°33	3°49	4°38	5°R17	4°20	7°37	0°59	F 3
S 4	23 17 4	17°20'46	11♋10	22°11	16°22	28° 3	2°29	5°58	11°32	3°50	4°38	5♑17	4°16	7°43	0°59	S 4
S 5	23 21 1	18°19'35	23°24	21° 6	17°37	28°42	2°32	6° 6	11°31	3°50	4°37	5°15	4°13	7°50	0°58	S 5
M 6	23 24 57	19°18'25	5♌56	20° 0	18°52	29°22	2°34	6°13	11°31	3°51	4°37	5°12	4°10	7°57	0°58	M 6
T 7	23 28 54	20°17'17	18°49	18°55	20° 7	0♎ 2	2°37	6°20	11°31	3°52	4°37	5° 6	4° 7	8° 3	0°58	T 7
W 8	23 32 50	21°16'12	2♍ 5	17°51	21°22	0°41	2°40	6°28	11°30	3°53	4°37	4°57	4° 4	8°10	0°57	W 8
T 9	23 36 47	22°15'09	15°44	16°51	22°37	1°21	2°43	6°35	11°30	3°54	4°37	4°46	4° 1	8°17	0°57	T 9
F 10	23 40 43	23°14'07	29°41	15°57	23°52	2° 1	2°47	6°42	11°30	3°55	4°36	4°34	3°57	8°23	0°56	F 10
S 11	23 44 40	24°13'08	13♎54	15°10	25° 7	2°40	2°50	6°50	11°30	3°56	4°36	4°22	3°54	8°30	0°55	S 11
S 12	23 48 37	25°12'11	28°16	14°31	26°22	3°20	2°54	6°57	11°29	3°57	4°36	4°12	3°51	8°37	0°55	S 12
M13	23 52 33	26°11'16	12♏41	14° 1	27°37	4° 0	2°58	7° 4	11°29	3°58	4°36	4° 4	3°48	8°43	0°54	M13
T 14	23 56 30	27°10'23	27° 4	13°41	28°51	4°40	3° 2	7°11	11°D29	3°59	4°35	3°59	3°45	8°50	0°53	T 14
W15	0 0 26	28° 9'31	11♐21	13°D32	0♎ 6	5°20	3° 6	7°19	11°29	4° 1	4°35	3°57	3°41	8°57	0°52	W15
T 16	0 4 23	29° 8'42	25°30	13°33	1°21	6° 0	3°10	7°26	11°29	4° 2	4°34	3°56	3°38	9° 3	0°51	T 16
F 17	0 8 19	0♎ 7'54	9♑30	13°45	2°36	6°40	3°15	7°33	11°29	4° 3	4°34	3°56	3°35	9°10	0°50	F 17
S 18	0 12 16	1° 7'08	23°20	14° 6	3°51	7°20	3°20	7°40	11°30	4° 4	4°34	3°55	3°32	9°16	0°49	S 18
S 19	0 16 12	2° 6'24	7♒ 1	14°38	5° 6	8° 0	3°25	7°47	11°30	4° 5	4°33	3°52	3°29	9°23	0°47	S 19
M20	0 20 9	3° 5'41	20°33	15°19	6°21	8°40	3°30	7°54	11°30	4° 7	4°33	3°47	3°26	9°30	0°46	M20
T 21	0 24 6	4° 5'00	3♓54	16° 8	7°36	9°20	3°35	8° 1	11°30	4° 8	4°32	3°38	3°22	9°36	0°45	T 21
W22	0 28 2	5° 4'21	17° 5	17° 5	8°51	10° 0	3°41	8° 8	11°31	4° 9	4°32	3°27	3°19	9°43	0°43	W22
T 23	0 31 59	6° 3'45	0♈ 3	18° 9	10° 6	10°40	3°46	8°15	11°31	4°11	4°31	3°14	3°16	9°50	0°42	T 23
F 24	0 35 55	7° 3'10	12°48	19°20	11°22	11°21	3°52	8°22	11°32	4°12	4°31	3° 1	3°13	9°56	0°40	F 24
S 25	0 39 52	8° 2'37	25°19	20°36	12°37	12° 1	3°58	8°29	11°32	4°14	4°30	2°48	3°10	10° 3	0°39	S 25
S 26	0 43 48	9° 2'07	7♉36	21°56	13°52	12°41	4° 4	8°36	11°33	4°15	4°30	2°36	3° 7	10°10	0°37	S 26
M27	0 47 45	10° 1'38	19°41	23°21	15° 7	13°22	4°10	8°42	11°33	4°17	4°29	2°27	3° 3	10°16	0°35	M27
T 28	0 51 41	11° 1'13	1♊37	24°49	16°22	14° 2	4°17	8°49	11°34	4°18	4°28	2°21	3° 0	10°23	0°34	T 28
W29	0 55 38	12° 0'49	13°26	26°20	17°37	14°43	4°23	8°56	11°35	4°20	4°28	2°17	2°57	10°30	0°32	W29
T 30	0 59 35	13♎ 0'27	25♊13	27♍54	18♎52	15♎23	4♑30	9♍ 3	11♑35	4♐21	4♊27	2♑16	2♑54	10♊36	0♊30	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n10	23n48	2n32	1s36	3s53	8n 9	1n25	2n15	0n45	23s49	0s17	11n 5	1n42	23s29	0s27	19s30	1n32	11n 6	10s13	23s27	23s28	23n57	17n29	3s 2
T 2	5 47	24 30	1 34	1 8	3 45	7 40	1 25	1 59	0 44	23 49	0 17	11 2	1 42	23 29	0 27	19 30	1 32	11 6	10 14	23 27	23 29	23 58	17 28	3 3
F 3	5 24	24 5	0 33	0 36	3 36	7 11	1 25	1 43	0 44	23 49	0 17	11 0	1 42	23 29	0 27	19 30	1 32	11 6	10 14	23 27	23 29	23 58	17 28	3 3
S 4	5 1	22 34	0s31	0 1	3 24	6 42	1 24	1 26	0 43	23 49	0 17	10 57	1 43	23 29	0 27	19 30	1 32	11 6	10 14	23 27	23 29	23 58	17 28	3 3
S 5	4 38	19 57	1 35	0n37	3 11	6 12	1 24	1 10	0 43	23 49	0 17	10 54	1 43	23 29	0 27	19 30	1 32	11 5	10 14	23 27	23 29	23 59	17 27	3 4
M 6	4 15	16 22	2 35	1 17	2 55	5 42	1 24	0 54	0 42	23 49	0 17	10 52	1 43	23 29	0 27	19 31	1 32	11 5	10 14	23 27	23 29	23 59	17 27	3 4
T 7	3 52	11 56	3 29	1 59	2 39	5 13	1 23	0 38	0 42	23 49	0 17	10 49	1 43	23 30	0 27	19 31	1 32	11 5	10 15	23 27	23 29	23 59	17 26	3 4
W 8	3 29	6 50	4 13	2 40	2 21	4 43	1 23	0 21	0 41	23 49	0 18	10 46	1 43	23 30	0 27	19 31	1 32	11 5	10 15	23 27	23 29	24 0	17 26	3 4
T 9	3 5	1 17	4 45	3 21	2 1	4 12	1 22	0 5	0 41	23 49	0 18	10 44	1 43	23 30	0 27	19 31	1 32	11 5	10 15	23 28	23 29	24 0	17 26	3 5
F 10	2 42	4s27	5 0	4 0	1 42	3 42	1 22	0s11	0 40	23 49	0 18	10 41	1 43	23 30	0 27	19 32	1 32	11 4	10 15	23 28	23 29	24 0	17 25	3 5
S 11	2 18	10 4	4 57	4 37	1 21	3 12	1 21	0 28	0 40	23 49	0 18	10 39	1 43	23 30	0 27	19 32	1 32	11 4	10 15	23 29	23 29	24 0	17 25	3 5
S 12	1 55	15 11	4 35	5 11	1 1	2 41	1 21	0 44	0 39	23 49	0 18	10 36	1 43	23 30	0 27	19 32	1 32	11 4	10 15	23 29	23 30	24 1	17 24	3 6
M13	1 31	19 27	3 56	5 41	0 41	2 10	1 20	1 0	0 39	23 49	0 18	10 33	1 43	23 30	0 27	19 32	1 32	11 4	10 16	23 29	23 30	24 1	17 24	3 6
T 14	1 8	22 32	3 2	6 6	0 22	1 40	1 19	1 17	0 38	23 49	0 18	10 31	1 44	23 30	0 27	19 33	1 32	11 3	10 16	23 29	23 30	24 1	17 23	3 6
W15	0 44	24 10	1 56	6 27	0 3	1 9	1 18	1 33	0 38	23 49	0 18	10 28	1 44	23 30	0 27	19 33	1 32	11 3	10 16	23 29	23 30	24 1	17 23	3 7
T 16	0 20	24 13	0 44	6 43	0n14	0 38	1 17	1 49	0 37	23 49	0 18	10 26	1 44	23 29	0 27	19 33	1 31	11 3	10 16	23 29	23 30	24 2	17 22	3 7
F 17	0s 3	22 43	0n29	6 53	0 30	0 7	1 16	2 6	0 37	23 49	0 18	10 23	1 44	23 29	0 27	19 33	1 31	11 3	10 16	23 29	23 30	24 2	17 22	3 7
S 18	0 27	19 52	1 41	6 59	0 45	0s24	1 15	2 22	0 36	23 49	0 18	10 20	1 44	23 29	0 27	19 34	1 31	11 3	10 16	23 29	23 30	24 2	17 21	3 7
S 19	0 50	15 56	2 45	6 59	0 59	0 55	1 14	2 38	0 36	23 49	0 18	10 18	1 44	23 29	0 27	19 34	1 31	11 2	10 17	23 30	23 30	24 2	17 21	3 8
M20	1 14	11 14	3 40	6 54	1 11	1 25	1 13	2 55	0 35	23 49	0 18	10 15	1 44	23 29	0 27	19 34	1 31	11 2	10 17	23 30	23 30	24 3	17 20	3 8
T 21	1 38	6 4	4 21	6 45	1 22	1 56	1 11	3 11	0 35	23 48	0 18	10 13	1 44	23 29	0 27	19 35	1 31	11 2	10 17	23 30	23 30	24 3	17 20	3 8
W22	2 1	0 42	4 48	6 31	1 31	2 27	1 10	3 27	0 34	23 48	0 18	10 10	1 45	23 29	0 27	19 35	1 31	11 2	10 17	23 30	23 30	24 3	17 19	3 9
T 23	2 25	4n36	5 0	6 13	1 39	2 58	1 9	3 44	0 34	23 48	0 19	10 8	1 45	23 29	0 26	19 35	1 31	11 1	10 17	23 31	23 31	24 3	17 19	3 9
F 24	2 49	9 36	4 56	5 51	1 45	3 29	1 7	4 0	0 33	23 48	0 19	10 5	1 45	23 29	0 26	19 35	1 31	11 1	10 17	23 31	23 31	24 3	17 18	3 9
S 25	3 12	14 8	4 38	5 26	1 51	4 0	1 6	4 16	0 33	23 48	0 19	10 3	1 45	23 29	0 26	19 36	1 31	11 1	10 17	23 31	23 31	24 4	17 17	3 9
S 26	3 36	18 0	4 7	4 58	1 55	4 30	1 4	4 32	0 32	23 48	0 19	10 0	1 45	23 29	0 26	19 36	1 31	11 1	10 18	23 31	23 31	24 4	17 17	3 10
M27	3 59	21 1	3 25	4 27	1 58	5 1	1 3	4 49	0 32	23 48	0 19	9 58	1 45	23 29	0 26	19 36	1 31	11 0	10 18	23 32	23 31	24 4	17 16	3 10
T 28	4 23	23 6	2 35	3 54	2 0	5 31	1 1	5 5	0 31	23 48	0 19	9 56	1 45	23 29	0 26	19 37	1 31	11 0	10 18	23 32	23 31	24 4	17 16	3 10
W29	4 46	24 8	1 38	3 18	2 1	6 2	1 0	5 21	0 31	23 47	0 19	9 53	1 46	23 29	0 26	19 37	1 31	11 0	10 18	23 32	23 31	24 4	17 15	3 11
T 30	5s10	24n 5	0n37	2n41	2n 1	6s32	0n58	5s37	0n30	23s47	0s19	9n51	1n46	23s29	0s26	19s37	1n31	11n 0	10s18	23s32	23s31	24n 5	17n14	3s11

Julian Day Number = 2142799.5, Delta T = 15m06s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'16, Lahiri = 12°04'16 Julian Calendar 1 Sept. 1154 == Greg. Calendar 8 Sept. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

OCTOBER 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 3 31	14♎ 0'08	7♋ 3	29♍29	20♎ 7	16♎ 4	4♑37	9♍ 9	11♑36	4♐23	4°R26	2°D16	2♑51	10♊43	0°R28	F 1
S 2	1 7 28	14°59'52	19° 2	1♎ 6	21°22	16°44	4°44	9°16	11°37	4°24	4♊26	2°R16	2°47	10°50	0♊26	S 2
S 3	1 11 24	15°59'37	1♌14	2°44	22°37	17°25	4°51	9°22	11°38	4°26	4°25	2♑15	2°44	10°56	0°24	S 3
M 4	1 15 21	16°59'25	13°46	4°23	23°52	18° 6	4°58	9°29	11°39	4°28	4°24	2°12	2°41	11° 3	0°22	M 4
T 5	1 19 17	17°59'15	26°42	6° 3	25° 7	18°47	5° 6	9°35	11°40	4°29	4°24	2° 7	2°38	11°10	0°19	T 5
W 6	1 23 14	18°59'07	10♍ 4	7°43	26°23	19°27	5°14	9°42	11°41	4°31	4°23	1°59	2°35	11°16	0°17	W 6
T 7	1 27 10	19°59'01	23°54	9°24	27°38	20° 8	5°21	9°48	11°42	4°33	4°22	1°49	2°32	11°23	0°15	T 7
F 8	1 31 7	20°58'58	8♎ 8	11° 5	28°53	20°49	5°29	9°54	11°43	4°34	4°21	1°38	2°28	11°30	0°13	F 8
S 9	1 35 3	21°58'56	22°42	12°45	0♏ 8	21°30	5°37	10° 1	11°44	4°36	4°20	1°27	2°25	11°36	0°10	S 9
S 10	1 39 0	22°58'57	7♏29	14°26	1°23	22°11	5°45	10° 7	11°46	4°38	4°20	1°17	2°22	11°43	0° 8	S 10
M11	1 42 57	23°58'59	22°20	16° 7	2°38	22°52	5°54	10°13	11°47	4°40	4°19	1° 9	2°19	11°50	0° 5	M11
T 12	1 46 53	24°59'04	7♐ 8	17°47	3°53	23°33	6° 2	10°19	11°48	4°42	4°18	1° 5	2°16	11°56	0° 3	T 12
W13	1 50 50	25°59'10	21°44	19°27	5° 9	24°14	6°11	10°25	11°50	4°44	4°17	1° 3	2°12	12° 3	29♉59	W13
T 14	1 54 46	26°59'17	6♑ 6	21° 7	6°24	24°55	6°20	10°31	11°51	4°45	4°16	1°D 2	2° 9	12°10	29°57	T 14
F 15	1 58 43	27°59'27	20°11	22°46	7°39	25°37	6°29	10°37	11°53	4°47	4°15	1° 3	2° 6	12°16	29°55	F 15
S 16	2 2 39	28°59'37	3♒58	24°25	8°54	26°18	6°38	10°43	11°54	4°49	4°14	1°R 3	2° 3	12°23	29°52	S 16
S 17	2 6 36	29°59'49	17°29	26° 4	10° 9	26°59	6°47	10°48	11°56	4°51	4°14	1° 1	2° 0	12°29	29°49	S 17
M18	2 10 32	1♏ 0'03	0♓45	27°42	11°24	27°41	6°56	10°54	11°58	4°53	4°13	0°58	1°57	12°36	29°46	M18
T 19	2 14 29	2° 0'18	13°47	29°20	12°39	28°22	7° 5	11° 0	11°59	4°55	4°12	0°51	1°53	12°43	29°43	T 19
W20	2 18 26	3° 0'35	26°37	0♏57	13°55	29° 3	7°15	11° 5	12° 1	4°57	4°11	0°43	1°50	12°49	29°40	W20
T 21	2 22 22	4° 0'53	9♈15	2°34	15°10	29°45	7°25	11°11	12° 3	4°59	4°10	0°32	1°47	12°56	29°38	T 21
F 22	2 26 19	5° 1'13	21°42	4°11	16°25	0♏26	7°34	11°16	12° 5	5° 1	4° 9	0°22	1°44	13° 3	29°35	F 22
S 23	2 30 15	6° 1'35	3♉58	5°48	17°40	1° 8	7°44	11°22	12° 7	5° 3	4° 8	0°11	1°41	13° 9	29°31	S 23
S 24	2 34 12	7° 1'59	16° 5	7°24	18°55	1°49	7°54	11°27	12° 8	5° 5	4° 7	0° 2	1°38	13°16	29°28	S 24
M25	2 38 8	8° 2'24	28° 3	8°59	20°10	2°31	8° 4	11°32	12°10	5° 7	4° 6	29♐55	1°34	13°23	29°25	M25
T 26	2 42 5	9° 2'51	9♊55	10°35	21°25	3°13	8°14	11°37	12°12	5° 9	4° 5	29°50	1°31	13°29	29°22	T 26
W27	2 46 1	10° 3'20	21°42	12°10	22°40	3°54	8°25	11°42	12°14	5°11	4° 4	29°48	1°28	13°36	29°19	W27
T 28	2 49 58	11° 3'50	3♋28	13°45	23°56	4°36	8°35	11°47	12°17	5°13	4° 3	29°D48	1°25	13°43	29°16	T 28
F 29	2 53 55	12° 4'23	15°18	15°20	25°11	5°18	8°46	11°52	12°19	5°15	4° 2	29°49	1°22	13°49	29°13	F 29
S 30	2 57 51	13° 4'57	27°15	16°54	26°26	6° 0	8°56	11°57	12°21	5°18	4° 1	29°50	1°18	13°56	29° 9	S 30
S 31	3 1 48	14♏ 5'33	9♌25	18♏28	27♏41	6♏42	9♑ 7	12♍ 2	12♑23	5♐20	3♊59	29°R51	1♑15	14♊ 3	29♉ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s33	22n56	0s25	2n 2	2n 0	7s 2	0n56	5s53	0n30	23s47	0s19	9n48	1n46	23s29	0s26	19s38	1n31	10n59	10s18	23s32	23s31	24n 5	17n14	3s11
S 2	5 56	20 45	1 28	1 22	1 59	7 32	0 54	6 10	0 29	23 47	0 19	9 46	1 46	23 29	0 26	19 38	1 31	10 59	10 18	23 32	23 31	24 5	17 13	3 11
S 3	6 19	17 35	2 27	0 41	1 57	8 2	0 52	6 26	0 29	23 47	0 19	9 44	1 46	23 28	0 26	19 38	1 31	10 59	10 19	23 32	23 31	24 5	17 12	3 12
M 4	6 42	13 33	3 22	0s 1	1 54	8 31	0 51	6 42	0 28	23 46	0 19	9 41	1 46	23 28	0 26	19 39	1 31	10 59	10 19	23 32	23 31	24 5	17 11	3 12
T 5	7 5	8 48	4 7	0 43	1 51	9 1	0 49	6 58	0 28	23 46	0 19	9 39	1 46	23 28	0 26	19 39	1 31	10 58	10 19	23 32	23 31	24 5	17 11	3 12
W 6	7 28	3 30	4 41	1 26	1 47	9 30	0 47	7 14	0 27	23 46	0 19	9 37	1 47	23 28	0 26	19 39	1 31	10 58	10 19	23 32	23 31	24 5	17 10	3 12
T 7	7 51	2s 9	4 59	2 10	1 43	9 59	0 45	7 30	0 27	23 46	0 19	9 35	1 47	23 28	0 26	19 40	1 31	10 58	10 19	23 32	23 31	24 5	17 9	3 13
F 8	8 14	7 50	5 0	2 54	1 38	10 28	0 43	7 46	0 26	23 45	0 19	9 32	1 47	23 28	0 26	19 40	1 30	10 58	10 19	23 32	23 32	24 6	17 9	3 13
S 9	8 36	13 14	4 42	3 38	1 34	10 56	0 40	8 2	0 25	23 45	0 19	9 30	1 47	23 28	0 26	19 41	1 30	10 57	10 19	23 32	23 32	24 6	17 8	3 13
S 10	8 58	17 55	4 5	4 21	1 28	11 25	0 38	8 18	0 25	23 45	0 20	9 28	1 47	23 28	0 26	19 41	1 30	10 57	10 19	23 33	23 32	24 6	17 7	3 13
M11	9 21	21 30	3 11	5 5	1 23	11 53	0 36	8 33	0 24	23 45	0 20	9 26	1 48	23 28	0 26	19 41	1 30	10 57	10 20	23 33	23 32	24 6	17 6	3 14
T 12	9 43	23 38	2 4	5 49	1 17	12 20	0 34	8 49	0 24	23 44	0 20	9 24	1 48	23 27	0 26	19 42	1 30	10 57	10 20	23 33	23 32	24 6	17 6	3 14
W13	10 5	24 7	0 49	6 32	1 12	12 48	0 32	9 5	0 23	23 44	0 20	9 22	1 48	23 27	0 26	19 42	1 30	10 56	10 20	23 33	23 32	24 6	17 5	3 14
T 14	10 27	22 57	0n27	7 16	1 6	13 15	0 30	9 20	0 23	23 44	0 20	9 19	1 48	23 27	0 26	19 42	1 30	10 56	10 20	23 33	23 32	24 6	17 4	3 14
F 15	10 48	20 22	1 40	7 58	0 59	13 42	0 27	9 36	0 22	23 43	0 20	9 17	1 48	23 27	0 26	19 43	1 30	10 56	10 20	23 33	23 32	24 6	17 3	3 15
S 16	11 10	16 39	2 46	8 41	0 53	14 8	0 25	9 52	0 22	23 43	0 20	9 15	1 48	23 27	0 26	19 43	1 30	10 56	10 20	23 33	23 32	24 6	17 2	3 15
S 17	11 31	12 9	3 42	9 23	0 47	14 34	0 23	10 7	0 21	23 42	0 20	9 13	1 49	23 27	0 26	19 44	1 30	10 55	10 20	23 33	23 32	24 6	17 2	3 15
M18	11 53	7 9	4 24	10 5	0 40	15 0	0 20	10 23	0 21	23 42	0 20	9 11	1 49	23 26	0 26	19 44	1 30	10 55	10 20	23 33	23 32	24 6	17 1	3 15
T 19	12 13	1 55	4 52	10 46	0 34	15 25	0 18	10 38	0 20	23 42	0 20	9 9	1 49	23 26	0 26	19 44	1 30	10 55	10 20	23 33	23 32	24 6	17 0	3 16
W20	12 34	3n18	5 4	11 26	0 27	15 50	0 16	10 53	0 19	23 41	0 20	9 7	1 49	23 26	0 26	19 45	1 30	10 55	10 20	23 33	23 32	24 6	16 59	3 16
T 21	12 55	8 17	5 1	12 6	0 20	16 15	0 13	11 8	0 19	23 41	0 20	9 5	1 49	23 26	0 26	19 45	1 30	10 54	10 20	23 33	23 32	24 6	16 58	3 16
F 22	13 15	12 53	4 44	12 45	0 14	16 39	0 11	11 24	0 18	23 40	0 20	9 4	1 50	23 26	0 26	19 45	1 30	10 54	10 20	23 33	23 32	24 6	16 57	3 16
S 23	13 35	16 53	4 14	13 24	0 7	17 3	0 8	11 39	0 18	23 40	0 20	9 2	1 50	23 26	0 26	19 46	1 30	10 54	10 21	23 33	23 32	24 6	16 57	3 16
S 24	13 55	20 7	3 33	14 2	0 0	17 26	0 6	11 54	0 17	23 39	0 20	9 0	1 50	23 25	0 26	19 46	1 30	10 54	10 21	23 33	23 32	24 6	16 56	3 17
M25	14 15	22 27	2 42	14 40	0s 6	17 49	0 4	12 9	0 17	23 38	0 20	8 58	1 50	23 25	0 26	19 47	1 30	10 53	10 21	23 33	23 32	24 6	16 55	3 17
T 26	14 35	23 46	1 45	15 16	0 13	18 11	0 1	12 23	0 16	23 38	0 20	8 56	1 50	23 25	0 26	19 47	1 30	10 53	10 21	23 33	23 32	24 6	16 54	3 17
W27	14 54	24 1	0 44	15 52	0 20	18 33	0s 1	12 38	0 15	23 37	0 21	8 54	1 51	23 25	0 26	19 47	1 30	10 53	10 21	23 33	23 32	24 6	16 53	3 17
T 28	15 13	23 10	0s20	16 27	0 26	18 54	0 4	12 53	0 15	23 37	0 21	8 53	1 51	23 25	0 26	19 48	1 30	10 53	10 21	23 33	23 32	24 6	16 52	3 17
F 29	15 32	21 18	1 23	17 1	0 33	19 15	0 6	13 8	0 14	23 36	0 21	8 51	1 51	23 24	0 26	19 48	1 30	10 52	10 21	23 33	23 33	24 6	16 52	3 18
S 30	15 50	18 28	2 23	17 35	0 39	19 35	0 9	13 22	0 14	23 35	0 21	8 49	1 51	23 24	0 26	19 49	1 30	10 52	10 21	23 33	23 33	24 6	16 51	3 18
S 31	16s 8	14n48	3s18	18s 8	0s45	19s55	0s11	13s36	0n13	23s35	0s21	8n48	1n52	23s24	0s26	19s49	1n30	10n52	10s21	23s33	23s33	24n 6	16n50	3s18

Julian Day Number = 2142829.5, Delta T = 15m06s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'20, Lahiri = 12°04'20 Julian Calendar 1 Oct. 1154 == Greg. Calendar 8 Oct. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

NOVEMBER 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 5 44	15♏ 6'10	21♌53	20♏ 2	28♏56	7♏24	9♑18	12♍ 7	12♑25	5♐22	3°R58	29°R51	1♑12	14♊ 9	29°R 3	M 1
T 2	3 9 41	16° 6'50	4♍45	21°36	0♐11	8° 6	9°29	12°11	12°28	5°24	3♊57	29♐49	1° 9	14°16	29♉ 0	T 2
W 3	3 13 37	17° 7'31	18° 3	23° 9	1°26	8°48	9°40	12°16	12°30	5°26	3°56	29°45	1° 6	14°23	28°56	W 3
T 4	3 17 34	18° 8'14	1♎49	24°43	2°41	9°30	9°51	12°20	12°32	5°28	3°55	29°40	1° 3	14°29	28°53	T 4
F 5	3 21 30	19° 8'58	16° 5	26°16	3°57	10°12	10° 2	12°25	12°35	5°31	3°54	29°34	0°59	14°36	28°50	F 5
S 6	3 25 27	20° 9'44	0♏45	27°49	5°12	10°54	10°14	12°29	12°37	5°33	3°53	29°27	0°56	14°43	28°46	S 6
S 7	3 29 24	21°10'32	15°44	29°22	6°27	11°37	10°25	12°33	12°40	5°35	3°52	29°22	0°53	14°49	28°43	S 7
M 8	3 33 20	22°11'21	0♐53	0♐55	7°42	12°19	10°37	12°37	12°42	5°37	3°51	29°17	0°50	14°56	28°39	M 8
T 9	3 37 17	23°12'11	16° 2	2°28	8°57	13° 1	10°48	12°41	12°45	5°39	3°49	29°15	0°47	15° 2	28°36	T 9
W10	3 41 13	24°13'03	1♑ 0	4° 0	10°12	13°44	11° 0	12°45	12°47	5°42	3°48	29°D14	0°44	15° 9	28°33	W10
T 11	3 45 10	25°13'56	15°42	5°33	11°27	14°26	11°12	12°49	12°50	5°44	3°47	29°15	0°40	15°16	28°29	T 11
F 12	3 49 6	26°14'49	0♒ 3	7° 5	12°42	15° 9	11°24	12°53	12°53	5°46	3°46	29°16	0°37	15°22	28°26	F 12
S 13	3 53 3	27°15'43	14° 0	8°37	13°58	15°51	11°36	12°57	12°55	5°48	3°45	29°18	0°34	15°29	28°22	S 13
S 14	3 56 59	28°16'38	27°34	10° 9	15°13	16°34	11°48	13° 0	12°58	5°51	3°44	29°R18	0°31	15°36	28°19	S 14
M15	4 0 56	29°17'34	10♓46	11°41	16°28	17°16	12° 0	13° 4	13° 1	5°53	3°43	29°18	0°28	15°42	28°15	M15
T 16	4 4 53	0♐18'30	23°40	13°13	17°43	17°59	12°12	13° 7	13° 4	5°55	3°41	29°16	0°24	15°49	28°12	T 16
W17	4 8 49	1°19'28	6♈16	14°44	18°58	18°42	12°24	13°10	13° 7	5°57	3°40	29°12	0°21	15°56	28° 9	W17
T 18	4 12 46	2°20'26	18°40	16°15	20°13	19°24	12°37	13°13	13° 9	6° 0	3°39	29° 8	0°18	16° 2	28° 5	T 18
F 19	4 16 42	3°21'25	0♉52	17°46	21°28	20° 7	12°49	13°16	13°12	6° 2	3°38	29° 4	0°15	16° 9	28° 2	F 19
S 20	4 20 39	4°22'24	12°56	19°17	22°43	20°50	13° 1	13°19	13°15	6° 4	3°37	28°59	0°12	16°16	27°58	S 20
S 21	4 24 35	5°23'25	24°52	20°47	23°58	21°33	13°14	13°22	13°18	6° 6	3°36	28°55	0° 9	16°22	27°55	S 21
M22	4 28 32	6°24'26	6♊44	22°17	25°13	22°16	13°27	13°25	13°21	6° 9	3°35	28°52	0° 5	16°29	27°51	M22
T 23	4 32 28	7°25'29	18°32	23°46	26°28	22°59	13°39	13°28	13°24	6°11	3°33	28°51	0° 2	16°36	27°48	T 23
W24	4 36 25	8°26'32	0♋20	25°14	27°43	23°42	13°52	13°30	13°27	6°13	3°32	28°D50	29♐59	16°42	27°45	W24
T 25	4 40 22	9°27'36	12° 8	26°41	28°58	24°25	14° 5	13°33	13°30	6°16	3°31	28°51	29°56	16°49	27°41	T 25
F 26	4 44 18	10°28'40	24° 1	28° 8	0♑13	25° 8	14°18	13°35	13°33	6°18	3°30	28°52	29°53	16°56	27°38	F 26
S 27	4 48 15	11°29'46	6♌ 2	29°33	1°28	25°51	14°31	13°38	13°37	6°20	3°29	28°54	29°50	17° 2	27°35	S 27
S 28	4 52 11	12°30'52	18°13	0♑57	2°43	26°34	14°44	13°40	13°40	6°22	3°28	28°55	29°46	17° 9	27°31	S 28
M29	4 56 8	13°32'00	0♍41	2°19	3°58	27°17	14°57	13°42	13°43	6°25	3°26	28°56	29°43	17°15	27°28	M29
T 30	5 0 4	14♐33'08	13♍27	3♑39	5♑13	28♏ 1	15♑10	13♍44	13♑46	6♐27	3♊25	28°R57	29♐40	17♊22	27♉25	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	16s26	10n25	4s 5	18s39	0s51	20s14	0s14	13s51	0n13	23s34	0s21	8n46	1n52	23s24	0s26	19s49	1n30	10n52	10s21	23s33	23s33	24n 6	16n49	3s18	M 1
T 2	16 44	5 27	4 41	19 10	0 58	20 33	0 16	14 5	0 12	23 33	0 21	8 45	1 52	23 24	0 26	19 50	1 30	10 52	10 21	23 33	23 33	24 6	16 48	3 18	T 2
W 3	17 2	0 5	5 4	19 40	1 4	20 51	0 19	14 19	0 11	23 33	0 21	8 43	1 52	23 23	0 26	19 50	1 30	10 51	10 21	23 33	23 33	24 6	16 47	3 18	W 3
T 4	17 19	5s28	5 10	20 9	1 9	21 8	0 21	14 33	0 11	23 32	0 21	8 42	1 52	23 23	0 26	19 51	1 30	10 51	10 21	23 33	23 33	24 6	16 46	3 19	T 4
F 5	17 35	10 55	4 58	20 37	1 15	21 25	0 24	14 47	0 10	23 31	0 21	8 40	1 53	23 23	0 26	19 51	1 30	10 51	10 21	23 33	23 33	24 6	16 45	3 19	F 5
S 6	17 52	15 56	4 26	21 4	1 21	21 41	0 26	15 1	0 10	23 30	0 21	8 39	1 53	23 23	0 26	19 51	1 30	10 51	10 21	23 33	23 33	24 6	16 45	3 19	S 6
S 7	18 8	20 3	3 35	21 30	1 26	21 57	0 28	15 15	0 9	23 29	0 21	8 37	1 53	23 22	0 26	19 52	1 30	10 51	10 21	23 33	23 33	24 6	16 44	3 19	S 7
M 8	18 24	22 51	2 28	21 55	1 31	22 12	0 31	15 28	0 8	23 29	0 21	8 36	1 53	23 22	0 26	19 52	1 30	10 50	10 21	23 33	23 33	24 6	16 43	3 19	M 8
T 9	18 40	24 0	1 12	22 19	1 36	22 26	0 33	15 42	0 8	23 28	0 21	8 35	1 54	23 22	0 26	19 53	1 30	10 50	10 21	23 33	23 33	24 6	16 42	3 19	T 9
W10	18 55	23 23	0n10	22 42	1 41	22 40	0 36	15 55	0 7	23 27	0 21	8 33	1 54	23 22	0 26	19 53	1 30	10 50	10 21	23 33	23 33	24 6	16 41	3 19	W10
T 11	19 10	21 9	1 29	23 4	1 46	22 53	0 38	16 8	0 7	23 26	0 21	8 32	1 54	23 21	0 26	19 53	1 30	10 50	10 21	23 33	23 33	24 6	16 40	3 19	T 11
F 12	19 24	17 37	2 41	23 24	1 50	23 6	0 40	16 21	0 6	23 25	0 21	8 31	1 54	23 21	0 26	19 54	1 29	10 50	10 21	23 33	23 33	24 5	16 39	3 20	F 12
S 13	19 38	13 10	3 41	23 43	1 54	23 17	0 43	16 34	0 5	23 24	0 22	8 30	1 55	23 21	0 26	19 54	1 29	10 49	10 21	23 33	23 33	24 5	16 39	3 20	S 13
S 14	19 52	8 12	4 27	24 1	1 58	23 28	0 45	16 47	0 5	23 23	0 22	8 28	1 55	23 20	0 26	19 55	1 29	10 49	10 21	23 33	23 33	24 5	16 38	3 20	S 14
M15	20 5	2 58	4 57	24 18	2 2	23 38	0 47	17 0	0 4	23 22	0 22	8 27	1 55	23 20	0 26	19 55	1 29	10 49	10 21	23 33	23 33	24 5	16 37	3 20	M15
T 16	20 19	2n15	5 12	24 33	2 5	23 48	0 50	17 13	0 4	23 21	0 22	8 26	1 55	23 20	0 26	19 55	1 29	10 49	10 21	23 33	23 33	24 5	16 36	3 20	T 16
W17	20 31	7 16	5 11	24 47	2 8	23 57	0 52	17 25	0 3	23 20	0 22	8 25	1 56	23 20	0 26	19 56	1 29	10 49	10 21	23 33	23 33	24 5	16 35	3 20	W17
T 18	20 43	11 54	4 56	25 0	2 11	24 5	0 54	17 37	0 2	23 19	0 22	8 24	1 56	23 19	0 26	19 56	1 29	10 48	10 21	23 33	23 33	24 5	16 34	3 20	T 18
F 19	20 55	15 59	4 27	25 11	2 13	24 12	0 56	17 50	0 2	23 17	0 22	8 23	1 56	23 19	0 26	19 57	1 29	10 48	10 21	23 33	23 33	24 4	16 33	3 20	F 19
S 20	21 7	19 23	3 47	25 21	2 15	24 19	0 58	18 2	0 1	23 16	0 22	8 22	1 56	23 19	0 26	19 57	1 29	10 48	10 21	23 33	23 33	24 4	16 33	3 20	S 20
S 21	21 18	21 55	2 57	25 29	2 16	24 25	1 0	18 14	0 0	23 15	0 22	8 22	1 57	23 18	0 26	19 57	1 29	10 48	10 21	23 33	23 33	24 4	16 32	3 20	S 21
M22	21 29	23 29	1 59	25 36	2 17	24 30	1 2	18 25	0s 0	23 14	0 22	8 21	1 57	23 18	0 26	19 58	1 29	10 48	10 21	23 33	23 33	24 4	16 31	3 20	M22
T 23	21 39	24 0	0 57	25 42	2 18	24 34	1 4	18 37	0 1	23 13	0 22	8 20	1 57	23 18	0 26	19 58	1 29	10 48	10 21	23 33	23 33	24 4	16 30	3 21	T 23
W24	21 49	23 25	0s 8	25 46	2 18	24 38	1 6	18 48	0 1	23 11	0 22	8 19	1 57	23 18	0 26	19 59	1 29	10 47	10 21	23 33	23 33	24 4	16 29	3 21	W24
T 25	21 58	21 47	1 13	25 48	2 17	24 41	1 8	19 0	0 2	23 10	0 22	8 18	1 58	23 17	0 26	19 59	1 29	10 47	10 21	23 33	23 33	24 3	16 29	3 21	T 25
F 26	22 7	19 11	2 15	25 49	2 16	24 43	1 10	19 11	0 3	23 9	0 22	8 18	1 58	23 17	0 26	19 59	1 29	10 47	10 21	23 33	23 33	24 3	16 28	3 21	F 26
S 27	22 16	15 45	3 12	25 48	2 15	24 45	1 12	19 22	0 3	23 8	0 22	8 17	1 58	23 17	0 26	20 0	1 29	10 47	10 21	23 33	23 33	24 3	16 27	3 21	S 27
S 28	22 24	11 37	4 1	25 45	2 13	24 45	1 14	19 32	0 4	23 6	0 22	8 16	1 59	23 16	0 26	20 0	1 29	10 47	10 20	23 33	23 33	24 3	16 26	3 21	S 28
M29	22 32	6 55	4 40	25 41	2 9	24 45	1 16	19 43	0 5	23 5	0 23	8 16	1 59	23 16	0 26	20 1	1 29	10 47	10 20	23 33	23 33	24 3	16 25	3 21	M29
T 30	22s39	1n50	5s 6	25s36	2s 6	24s44	1s17	19s54	0s 5	23s 3	0s23	8n15	1n59	23s16	0s26	20s 1	1n29	10n47	10s20	23s33	23s33	24n 2	16n25	3s21	T 30

Julian Day Number = 2142860.5, Delta T = 15m06s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'24, Lahiri = 12°04'24 Julian Calendar 1 Nov. 1154 == Greg. Calendar 8 Nov. 1154

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ASTRODIENST EPHEMERIS for the year 1154
geocentric

DECEMBER 1154 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 4 1	15♐34'17	26♍37	4♑56	6♑28	28♏44	15♑23	13♍46	13♑49	6♐29	3°R24	28°R56	29♐37	17♊29	27°R22	W 1
T 2	5 7 57	16°35'26	10♎13	6°11	7°43	29°27	15°36	13°48	13°52	6°31	3♊23	28♐56	29°34	17°35	27♉18	T 2
F 3	5 11 54	17°36'37	24°17	7°22	8°58	0♐11	15°50	13°49	13°56	6°34	3°22	28°54	29°30	17°42	27°15	F 3
S 4	5 15 51	18°37'48	8♏46	8°30	10°13	0°54	16° 3	13°51	13°59	6°36	3°21	28°53	29°27	17°49	27°12	S 4
S 5	5 19 47	19°39'00	23°39	9°33	11°28	1°38	16°16	13°52	14° 2	6°38	3°20	28°52	29°24	17°55	27° 9	S 5
M 6	5 23 44	20°40'12	8♐46	10°32	12°43	2°21	16°30	13°54	14° 6	6°40	3°19	28°51	29°21	18° 2	27° 6	M 6
T 7	5 27 40	21°41'25	24° 1	11°24	13°58	3° 5	16°43	13°55	14° 9	6°42	3°18	28°D51	29°18	18° 9	27° 3	T 7
W 8	5 31 37	22°42'38	9♑12	12° 9	15°12	3°48	16°57	13°56	14°12	6°45	3°16	28°51	29°15	18°15	27° 0	W 8
T 9	5 35 33	23°43'51	24°10	12°47	16°27	4°32	17°10	13°57	14°16	6°47	3°15	28°51	29°11	18°22	26°57	T 9
F 10	5 39 30	24°45'05	8♒48	13°17	17°42	5°16	17°24	13°58	14°19	6°49	3°14	28°52	29° 8	18°29	26°54	F 10
S 11	5 43 27	25°46'18	23° 1	13°37	18°57	6° 0	17°38	13°59	14°22	6°51	3°13	28°52	29° 5	18°35	26°51	S 11
S 12	5 47 23	26°47'30	6♓47	13°R47	20°12	6°43	17°51	13°59	14°26	6°53	3°12	28°52	29° 2	18°42	26°48	S 12
M13	5 51 20	27°48'43	20° 6	13°46	21°27	7°27	18° 5	14° 0	14°29	6°56	3°11	28°52	28°59	18°49	26°45	M13
T 14	5 55 16	28°49'55	3♈ 1	13°33	22°41	8°11	18°19	14° 0	14°33	6°58	3°10	28°52	28°56	18°55	26°42	T 14
W15	5 59 13	29°51'07	15°35	13° 8	23°56	8°55	18°33	14° 1	14°36	7° 0	3° 9	28°52	28°52	19° 2	26°40	W15
T 16	6 3 9	0♑52'19	27°52	12°32	25°11	9°39	18°47	14° 1	14°40	7° 2	3° 8	28°52	28°49	19° 8	26°37	T 16
F 17	6 7 6	1°53'30	9♉56	11°44	26°26	10°23	19° 0	14° 1	14°43	7° 4	3° 7	28°53	28°46	19°15	26°34	F 17
S 18	6 11 2	2°54'41	21°51	10°46	27°40	11° 7	19°14	14°R 1	14°47	7° 6	3° 6	28°53	28°43	19°22	26°32	S 18
S 19	6 14 59	3°55'52	3♊41	9°39	28°55	11°51	19°28	14° 1	14°50	7° 8	3° 5	28°54	28°40	19°28	26°29	S 19
M20	6 18 56	4°57'02	15°29	8°26	0♒10	12°35	19°42	14° 1	14°54	7°10	3° 4	28°54	28°36	19°35	26°27	M20
T 21	6 22 52	5°58'13	27°17	7° 8	1°24	13°19	19°56	14° 1	14°57	7°12	3° 3	28°R54	28°33	19°42	26°24	T 21
W22	6 26 49	6°59'22	9♋ 7	5°48	2°39	14° 3	20°10	14° 0	15° 1	7°14	3° 2	28°54	28°30	19°48	26°22	W22
T 23	6 30 45	8° 0'32	21° 3	4°28	3°53	14°48	20°24	14° 0	15° 4	7°16	3° 1	28°54	28°27	19°55	26°20	T 23
F 24	6 34 42	9° 1'41	3♌ 5	3°12	5° 8	15°32	20°38	13°59	15° 8	7°18	3° 0	28°52	28°24	20° 2	26°17	F 24
S 25	6 38 38	10° 2'50	15°15	2° 1	6°23	16°16	20°52	13°58	15°11	7°20	3° 0	28°51	28°21	20° 8	26°15	S 25
S 26	6 42 35	11° 3'58	27°36	0°56	7°37	17° 1	21° 6	13°57	15°15	7°22	2°59	28°49	28°17	20°15	26°13	S 26
M27	6 46 31	12° 5'07	10♍11	0° 0	8°51	17°45	21°21	13°57	15°18	7°24	2°58	28°47	28°14	20°22	26°11	M27
T 28	6 50 28	13° 6'14	23° 0	29♐13	10° 6	18°30	21°35	13°55	15°22	7°26	2°57	28°46	28°11	20°28	26° 9	T 28
W29	6 54 25	14° 7'22	6♎ 8	28°35	11°20	19°14	21°49	13°54	15°25	7°28	2°56	28°45	28° 8	20°35	26° 7	W29
T 30	6 58 21	15° 8'29	19°36	28° 7	12°35	19°59	22° 3	13°53	15°29	7°30	2°55	28°D45	28° 5	20°42	26° 5	T 30
F 31	7 2 18	16♑ 9'37	3♏25	27♐49	13♒49	20♐43	22♑17	13♍52	15♑32	7♐32	2♊54	28♐45	28♐ 2	20♊48	26♉ 3	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s46	3s30	5s17	25s28	2s 1	24s42	1s19	20s 4	0s 6	23s 2	0s23	8n15	1n59	23s15	0s26	20s 1	1n29	10n47	10s20	23s33	23s33	24n 2	16n24	3s21
T 2	22 52	8 50	5 11	25 20	1 56	24 40	1 21	20 14	0 7	23 0	0 23	8 14	2 0	23 15	0 26	20 2	1 29	10 46	10 20	23 33	23 33	24 2	16 23	3 21
F 3	22 58	13 54	4 47	25 10	1 49	24 37	1 22	20 24	0 7	22 59	0 23	8 14	2 0	23 15	0 26	20 2	1 29	10 46	10 20	23 33	23 33	24 2	16 22	3 21
S 4	23 4	18 20	4 4	24 58	1 42	24 33	1 24	20 34	0 8	22 57	0 23	8 14	2 0	23 14	0 26	20 2	1 29	10 46	10 20	23 33	23 33	24 1	16 22	3 21
S 5	23 9	21 44	3 3	24 46	1 34	24 28	1 25	20 43	0 8	22 56	0 23	8 13	2 0	23 14	0 26	20 3	1 29	10 46	10 20	23 33	23 33	24 1	16 21	3 21
M 6	23 13	23 40	1 49	24 32	1 24	24 22	1 27	20 53	0 9	22 54	0 23	8 13	2 1	23 14	0 26	20 3	1 29	10 46	10 20	23 33	23 33	24 1	16 20	3 21
T 7	23 17	23 52	0 27	24 17	1 14	24 16	1 28	21 2	0 10	22 53	0 23	8 13	2 1	23 13	0 26	20 4	1 29	10 46	10 20	23 33	23 33	24 1	16 20	3 21
W 8	23 21	22 17	0n57	24 1	1 2	24 9	1 29	21 11	0 10	22 51	0 23	8 13	2 1	23 13	0 26	20 4	1 29	10 46	10 19	23 33	23 33	24 0	16 19	3 21
T 9	23 24	19 8	2 16	23 44	0 49	24 1	1 30	21 20	0 11	22 49	0 23	8 13	2 2	23 12	0 26	20 4	1 29	10 46	10 19	23 33	23 33	24 0	16 18	3 21
F 10	23 27	14 51	3 25	23 27	0 35	23 53	1 31	21 28	0 12	22 48	0 23	8 12	2 2	23 12	0 26	20 5	1 29	10 46	10 19	23 33	23 33	24 0	16 18	3 21
S 11	23 29	9 50	4 18	23 10	0 19	23 44	1 33	21 37	0 12	22 46	0 23	8 12	2 2	23 12	0 26	20 5	1 29	10 46	10 19	23 33	23 33	24 0	16 17	3 21
S 12	23 31	4 30	4 55	22 53	0 3	23 34	1 34	21 45	0 13	22 44	0 23	8 12	2 2	23 11	0 26	20 5	1 29	10 46	10 19	23 33	23 33	23 59	16 16	3 21
M13	23 32	0n53	5 14	22 35	0n15	23 23	1 35	21 53	0 14	22 43	0 24	8 12	2 3	23 11	0 26	20 6	1 29	10 46	10 19	23 33	23 33	23 59	16 16	3 21
T 14	23 33	6 3	5 17	22 18	0 33	23 12	1 35	22 0	0 14	22 41	0 24	8 13	2 3	23 11	0 26	20 6	1 29	10 45	10 19	23 33	23 33	23 59	16 15	3 21
W15	23 33	10 50	5 5	22 1	0 53	23 0	1 36	22 8	0 15	22 39	0 24	8 13	2 3	23 10	0 26	20 6	1 29	10 45	10 19	23 33	23 33	23 58	16 15	3 21
T 16	23 33	15 5	4 39	21 46	1 12	22 47	1 37	22 15	0 16	22 37	0 24	8 13	2 3	23 10	0 26	20 7	1 29	10 45	10 18	23 33	23 33	23 58	16 14	3 21
F 17	23 32	18 39	4 0	21 30	1 32	22 34	1 38	22 23	0 16	22 35	0 24	8 13	2 4	23 9	0 26	20 7	1 30	10 45	10 18	23 33	23 33	23 58	16 13	3 21
S 18	23 31	21 24	3 12	21 16	1 51	22 20	1 38	22 29	0 17	22 33	0 24	8 13	2 4	23 9	0 26	20 7	1 30	10 45	10 18	23 33	23 33	23 57	16 13	3 21
S 19	23 29	23 12	2 16	21 3	2 9	22 5	1 39	22 36	0 18	22 31	0 24	8 14	2 4	23 9	0 26	20 8	1 30	10 45	10 18	23 33	23 33	23 57	16 12	3 21
M20	23 27	23 59	1 14	20 51	2 26	21 50	1 39	22 43	0 18	22 30	0 24	8 14	2 5	23 8	0 26	20 8	1 30	10 45	10 18	23 33	23 32	23 57	16 12	3 21
T 21	23 25	23 40	0 9	20 40	2 41	21 34	1 40	22 49	0 19	22 28	0 24	8 14	2 5	23 8	0 26	20 8	1 30	10 45	10 18	23 33	23 32	23 56	16 11	3 20
W22	23 22	22 18	0s56	20 31	2 54	21 17	1 40	22 55	0 20	22 26	0 24	8 15	2 5	23 8	0 26	20 9	1 30	10 45	10 17	23 33	23 32	23 56	16 11	3 20
T 23	23 18	19 55	2 0	20 23	3 5	21 0	1 40	23 1	0 20	22 24	0 24	8 15	2 5	23 7	0 26	20 9	1 30	10 45	10 17	23 33	23 32	23 56	16 10	3 20
F 24	23 14	16 40	2 59	20 17	3 14	20 42	1 41	23 6	0 21	22 21	0 24	8 16	2 6	23 7	0 26	20 9	1 30	10 45	10 17	23 33	23 32	23 55	16 10	3 20
S 25	23 10	12 40	3 50	20 13	3 20	20 23	1 41	23 12	0 22	22 19	0 24	8 16	2 6	23 6	0 26	20 10	1 30	10 45	10 17	23 33	23 32	23 55	16 9	3 20
S 26	23 5	8 7	4 31	20 10	3 23	20 4	1 41	23 17	0 22	22 17	0 25	8 17	2 6	23 6	0 26	20 10	1 30	10 45	10 17	23 33	23 32	23 54	16 9	3 20
M27	23 0	3 9	5 0	20 9	3 24	19 45	1 41	23 22	0 23	22 15	0 25	8 17	2 6	23 6	0 26	20 10	1 30	10 45	10 17	23 33	23 32	23 54	16 9	3 20
T 28	22 54	2s 2	5 15	20 10	3 23	19 25	1 41	23 26	0 24	22 13	0 25	8 18	2 7	23 5	0 26	20 11	1 30	10 45	10 16	23 33	23 32	23 54	16 8	3 20
W29	22 48	7 15	5 14	20 12	3 20	19 4	1 40	23 31	0 24	22 11	0 25	8 19	2 7	23 5	0 26	20 11	1 30	10 45	10 16	23 33	23 32	23 53	16 8	3 20
T 30	22 41	12 16	4 56	20 16	3 16	18 43	1 40	23 35	0 25	22 9	0 25	8 19	2 7	23 4	0 26	20 11	1 30	10 45	10 16	23 33	23 32	23 53	16 7	3 20
F 31	22s34	16s47	4s21	20s22	3n10	18s21	1s40	23s39	0s26	22s 6	0s25	8n20	2n 8	23s 4	0s26	20s11	1n30	10n45	10s16	23s33	23s32	23n53	16n 7	3s20

Julian Day Number = 2142890.5, Delta T = 15m05s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'28, Lahiri = 12°04'29 Julian Calendar 1 Dec. 1154 == Greg. Calendar 8 Dec. 1154

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

JANUARY 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 6 14	17♑10'43	17♏37	27°R39	15♒ 3	21♐28	22♑31	13°R50	15♑36	7♐34	2°R54	28♐47	27♐58	20♊55	26°R 1	S 1
S 2	7 10 11	18°11'50	2♐ 9	27°D38	16°18	22°12	22°46	13♍49	15°40	7°36	2♊53	28°48	27°55	21° 2	25♉59	S 2
M 3	7 14 7	19°12'56	16°58	27♐45	17°32	22°57	23° 0	13°47	15°43	7°37	2°52	28°49	27°52	21° 8	25°58	M 3
T 4	7 18 4	20°14'01	1♑59	27°59	18°46	23°42	23°14	13°45	15°47	7°39	2°51	28°R49	27°49	21°15	25°56	T 4
W 5	7 22 1	21°15'06	17° 3	28°20	20° 0	24°27	23°28	13°43	15°50	7°41	2°51	28°49	27°46	21°21	25°55	W 5
T 6	7 25 57	22°16'10	2♒ 1	28°48	21°15	25°11	23°42	13°41	15°54	7°43	2°50	28°46	27°42	21°28	25°53	T 6
F 7	7 29 54	23°17'13	16°45	29°21	22°29	25°56	23°57	13°39	15°57	7°45	2°49	28°43	27°39	21°35	25°52	F 7
S 8	7 33 50	24°18'14	1♓ 7	29°59	23°43	26°41	24°11	13°37	16° 1	7°46	2°49	28°39	27°36	21°41	25°50	S 8
S 9	7 37 47	25°19'15	15° 4	0♑42	24°57	27°26	24°25	13°35	16° 4	7°48	2°48	28°36	27°33	21°48	25°49	S 9
M10	7 41 43	26°20'14	28°33	1°29	26°11	28°11	24°39	13°32	16° 8	7°50	2°47	28°32	27°30	21°55	25°48	M10
T 11	7 45 40	27°21'12	11♈35	2°20	27°25	28°56	24°54	13°30	16°11	7°51	2°47	28°30	27°27	22° 1	25°47	T 11
W12	7 49 36	28°22'09	24°13	3°14	28°39	29°41	25° 8	13°27	16°15	7°53	2°46	28°D29	27°23	22° 8	25°46	W12
T 13	7 53 33	29°23'04	6♉30	4°11	29°53	0♑26	25°22	13°25	16°18	7°54	2°45	28°29	27°20	22°15	25°45	T 13
F 14	7 57 30	0♒23'58	18°33	5°12	1♓ 7	1°11	25°36	13°22	16°22	7°56	2°45	28°30	27°17	22°21	25°44	F 14
S 15	8 1 26	1°24'51	0♊26	6°15	2°20	1°56	25°50	13°19	16°25	7°58	2°44	28°32	27°14	22°28	25°43	S 15
S 16	8 5 23	2°25'42	12°13	7°21	3°34	2°41	26° 5	13°16	16°29	7°59	2°44	28°34	27°11	22°35	25°42	S 16
M17	8 9 19	3°26'32	24° 0	8°28	4°48	3°26	26°19	13°13	16°32	8° 1	2°43	28°R35	27° 8	22°41	25°41	M17
T 18	8 13 16	4°27'21	5♋49	9°38	6° 1	4°11	26°33	13°10	16°35	8° 2	2°43	28°34	27° 4	22°48	25°41	T 18
W19	8 17 12	5°28'08	17°45	10°50	7°15	4°57	26°47	13° 7	16°39	8° 3	2°42	28°33	27° 1	22°54	25°40	W19
T 20	8 21 9	6°28'53	29°50	12° 3	8°29	5°42	27° 1	13° 4	16°42	8° 5	2°42	28°29	26°58	23° 1	25°39	T 20
F 21	8 25 5	7°29'37	12♌ 5	13°18	9°42	6°27	27°15	13° 0	16°46	8° 6	2°42	28°23	26°55	23° 8	25°39	F 21
S 22	8 29 2	8°30'20	24°32	14°35	10°55	7°13	27°30	12°57	16°49	8° 8	2°41	28°16	26°52	23°14	25°39	S 22
S 23	8 32 59	9°31'02	7♍11	15°53	12° 9	7°58	27°44	12°53	16°52	8° 9	2°41	28° 9	26°48	23°21	25°38	S 23
M24	8 36 55	10°31'42	20° 2	17°13	13°22	8°43	27°58	12°50	16°56	8°10	2°40	28° 1	26°45	23°28	25°38	M24
T 25	8 40 52	11°32'21	3♎ 6	18°34	14°35	9°29	28°12	12°46	16°59	8°11	2°40	27°54	26°42	23°34	25°38	T 25
W26	8 44 48	12°32'58	16°22	19°56	15°48	10°14	28°26	12°42	17° 2	8°13	2°40	27°49	26°39	23°41	25°38	W26
T 27	8 48 45	13°33'35	29°53	21°19	17° 2	11° 0	28°40	12°39	17° 6	8°14	2°39	27°46	26°36	23°48	25°D38	T 27
F 28	8 52 41	14°34'10	13♏37	22°43	18°15	11°45	28°54	12°35	17° 9	8°15	2°39	27°D45	26°33	23°54	25°38	F 28
S 29	8 56 38	15°34'44	27°36	24° 9	19°28	12°31	29° 8	12°31	17°12	8°16	2°39	27°46	26°29	24° 1	25°38	S 29
S 30	9 0 34	16°35'17	11♐49	25°36	20°41	13°16	29°22	12°27	17°15	8°17	2°39	27°47	26°26	24° 8	25°38	S 30
M31	9 4 31	17♒35'49	26♐14	27♑ 3	21♓53	14♑ 2	29♑36	12♍23	17♑18	8♐18	2♊38	27°R48	26♐23	24♊14	25♉39	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s26	20s30	3s29	20s28	3n 3	17s59	1s39	23s43	0s26	22s 4	0s25	8n21	2n 8	23s 4	0s26	20s12	1n30	10n45	10s16	23s33	23s32	23n52	16n 7	3s20
S 2	22 18	23 1	2 22	20 36	2 55	17 36	1 39	23 46	0 27	22 2	0 25	8 22	2 8	23 3	0 26	20 12	1 30	10 46	10 15	23 33	23 32	23 52	16 6	3 20
M 3	22 10	23 59	1 5	20 45	2 47	17 13	1 38	23 49	0 28	22 0	0 25	8 23	2 8	23 3	0 26	20 12	1 30	10 46	10 15	23 33	23 32	23 51	16 6	3 19
T 4	22 1	23 15	0n17	20 54	2 38	16 49	1 38	23 52	0 28	21 57	0 25	8 24	2 9	23 2	0 26	20 12	1 30	10 46	10 15	23 33	23 32	23 51	16 6	3 19
W 5	21 52	20 49	1 39	21 4	2 28	16 25	1 37	23 55	0 29	21 55	0 25	8 25	2 9	23 2	0 26	20 13	1 30	10 46	10 15	23 33	23 32	23 50	16 6	3 19
T 6	21 42	16 59	2 53	21 14	2 18	16 0	1 36	23 57	0 30	21 53	0 26	8 26	2 9	23 1	0 26	20 13	1 30	10 46	10 15	23 33	23 32	23 50	16 5	3 19
F 7	21 32	12 10	3 54	21 25	2 8	15 35	1 35	24 0	0 30	21 50	0 26	8 27	2 9	23 1	0 26	20 13	1 30	10 46	10 14	23 33	23 32	23 49	16 5	3 19
S 8	21 21	6 47	4 39	21 35	1 58	15 10	1 34	24 1	0 31	21 48	0 26	8 28	2 10	23 1	0 26	20 14	1 30	10 46	10 14	23 33	23 32	23 49	16 5	3 19
S 9	21 10	1 13	5 6	21 45	1 48	14 44	1 33	24 3	0 32	21 45	0 26	8 29	2 10	23 0	0 26	20 14	1 30	10 46	10 14	23 32	23 32	23 49	16 5	3 19
M10	20 59	4n13	5 14	21 55	1 37	14 18	1 32	24 5	0 32	21 43	0 26	8 30	2 10	23 0	0 26	20 14	1 30	10 46	10 14	23 32	23 31	23 48	16 5	3 19
T 11	20 47	9 17	5 6	22 5	1 27	13 51	1 31	24 6	0 33	21 40	0 26	8 31	2 10	22 59	0 26	20 14	1 30	10 46	10 14	23 32	23 31	23 48	16 4	3 19
W12	20 35	13 49	4 43	22 14	1 17	13 24	1 30	24 7	0 34	21 38	0 26	8 32	2 11	22 59	0 26	20 14	1 30	10 46	10 13	23 32	23 31	23 47	16 4	3 18
T 13	20 22	17 39	4 8	22 22	1 7	12 57	1 28	24 7	0 34	21 35	0 26	8 34	2 11	22 59	0 26	20 15	1 30	10 47	10 13	23 32	23 31	23 47	16 4	3 18
F 14	20 9	20 40	3 22	22 30	0 57	12 29	1 27	24 8	0 35	21 33	0 26	8 35	2 11	22 58	0 26	20 15	1 30	10 47	10 13	23 32	23 31	23 46	16 4	3 18
S 15	19 56	22 45	2 28	22 37	0 47	12 1	1 26	24 8	0 36	21 30	0 26	8 36	2 11	22 58	0 26	20 15	1 30	10 47	10 13	23 32	23 31	23 46	16 4	3 18
S 16	19 42	23 49	1 28	22 44	0 37	11 33	1 24	24 8	0 36	21 28	0 27	8 38	2 12	22 57	0 26	20 15	1 30	10 47	10 12	23 32	23 31	23 45	16 4	3 18
M17	19 28	23 50	0 25	22 49	0 27	11 4	1 22	24 7	0 37	21 25	0 27	8 39	2 12	22 57	0 26	20 16	1 30	10 47	10 12	23 32	23 31	23 45	16 4	3 18
T 18	19 14	22 46	0s40	22 54	0 18	10 35	1 21	24 7	0 38	21 23	0 27	8 40	2 12	22 57	0 26	20 16	1 30	10 47	10 12	23 32	23 31	23 44	16 4	3 18
W19	18 59	20 40	1 43	22 57	0 9	10 6	1 19	24 6	0 39	21 20	0 27	8 42	2 12	22 56	0 26	20 16	1 30	10 47	10 12	23 32	23 31	23 44	16 4	3 18
T 20	18 44	17 38	2 42	23 0	0 0	9 37	1 17	24 5	0 39	21 17	0 27	8 43	2 12	22 56	0 26	20 16	1 30	10 47	10 11	23 32	23 31	23 43	16 4	3 17
F 21	18 29	13 49	3 35	23 1	0s 9	9 7	1 15	24 3	0 40	21 15	0 27	8 45	2 13	22 55	0 26	20 16	1 30	10 48	10 11	23 32	23 31	23 43	16 4	3 17
S 22	18 13	9 21	4 18	23 2	0 17	8 38	1 13	24 2	0 41	21 12	0 27	8 46	2 13	22 55	0 26	20 16	1 30	10 48	10 11	23 32	23 31	23 42	16 4	3 17
S 23	17 57	4 27	4 49	23 1	0 25	8 8	1 11	24 0	0 41	21 9	0 27	8 48	2 13	22 55	0 26	20 17	1 31	10 48	10 11	23 32	23 31	23 41	16 4	3 17
M24	17 41	0s43	5 6	22 59	0 33	7 37	1 9	23 57	0 42	21 7	0 27	8 49	2 13	22 54	0 26	20 17	1 31	10 48	10 10	23 32	23 31	23 41	16 4	3 17
T 25	17 24	5 56	5 8	22 56	0 41	7 7	1 7	23 55	0 43	21 4	0 27	8 51	2 13	22 54	0 26	20 17	1 31	10 48	10 10	23 32	23 30	23 40	16 4	3 17
W26	17 7	10 58	4 53	22 51	0 48	6 36	1 4	23 52	0 43	21 1	0 28	8 53	2 14	22 53	0 26	20 17	1 31	10 49	10 10	23 32	23 30	23 40	16 4	3 17
T 27	16 50	15 34	4 22	22 45	0 55	6 6	1 2	23 49	0 44	20 58	0 28	8 54	2 14	22 53	0 26	20 17	1 31	10 49	10 10	23 32	23 30	23 39	16 4	3 17
F 28	16 32	19 25	3 36	22 38	1 2	5 35	0 59	23 46	0 45	20 56	0 28	8 56	2 14	22 52	0 26	20 17	1 31	10 49	10 9	23 32	23 30	23 39	16 5	3 16
S 29	16 14	22 14	2 36	22 30	1 8	5 4	0 57	23 42	0 45	20 53	0 28	8 58	2 14	22 52	0 26	20 18	1 31	10 49	10 9	23 32	23 30	23 38	16 5	3 16
S 30	15 56	23 43	1 25	22 21	1 15	4 33	0 54	23 39	0 46	20 50	0 28	8 59	2 14	22 52	0 26	20 18	1 31	10 49	10 9	23 32	23 30	23 38	16 5	3 16
M31	15s38	23s38	0s 8	22s10	1s21	4s 1	0s52	23s35	0s47	20s47	0s28	9n 1	2n15	22s51	0s26	20s18	1n31	10n50	10s 9	23s32	23s30	23n37	16n 5	3s16

Julian Day Number = 2142921.5, Delta T = 15m05s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'32, Lahiri = 12°04'33 Julian Calendar 1 Jan. 1155 == Greg. Calendar 8 Jan. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

FEBRUARY 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 8 28	18♒36'19	10♉50	28♉32	23♓ 6	14♉47	29♉50	12°R19	17♉22	8♐19	2°R38	27°R47	26♐20	24♊21	25♉39	T 1
W 2	9 12 24	19°36'47	25°31	0♒ 2	24°19	15°33	0♒ 3	12♍15	17°25	8°21	2♊38	27♐44	26°17	24°28	25°39	W 2
T 3	9 16 21	20°37'15	10♒11	1°33	25°32	16°19	0°17	12°10	17°28	8°22	2°38	27°39	26°14	24°34	25°40	T 3
F 4	9 20 17	21°37'40	24°43	3° 5	26°44	17° 4	0°31	12° 6	17°31	8°22	2°38	27°31	26°10	24°41	25°40	F 4
S 5	9 24 14	22°38'04	8♓59	4°38	27°57	17°50	0°45	12° 2	17°34	8°23	2°38	27°22	26° 7	24°47	25°41	S 5
S 6	9 28 10	23°38'25	22°55	6°11	29° 9	18°36	0°58	11°57	17°37	8°24	2°38	27°12	26° 4	24°54	25°42	S 6
M 7	9 32 7	24°38'45	6♈26	7°46	0♈21	19°22	1°12	11°53	17°40	8°25	2°38	27° 3	26° 1	25° 1	25°43	M 7
T 8	9 36 3	25°39'03	19°32	9°22	1°34	20° 7	1°26	11°49	17°43	8°26	2°38	26°56	25°58	25° 7	25°43	T 8
W 9	9 40 0	26°39'19	2♉14	10°59	2°46	20°53	1°39	11°44	17°46	8°27	2°D38	26°50	25°54	25°14	25°44	W 9
T 10	9 43 56	27°39'33	14°35	12°37	3°58	21°39	1°53	11°40	17°49	8°28	2°38	26°47	25°51	25°21	25°45	T 10
F 11	9 47 53	28°39'44	26°40	14°16	5°10	22°25	2° 6	11°35	17°52	8°28	2°38	26°D46	25°48	25°27	25°46	F 11
S 12	9 51 50	29°39'54	8♊33	15°56	6°22	23°11	2°20	11°30	17°55	8°29	2°38	26°47	25°45	25°34	25°48	S 12
S 13	9 55 46	0♓40'02	20°21	17°37	7°34	23°57	2°33	11°26	17°58	8°30	2°38	26°47	25°42	25°41	25°49	S 13
M14	9 59 43	1°40'07	2♋ 8	19°19	8°46	24°43	2°47	11°21	18° 0	8°30	2°38	26°R47	25°39	25°47	25°50	M14
T 15	10 3 39	2°40'10	14° 0	21° 2	9°57	25°29	3° 0	11°17	18° 3	8°31	2°38	26°46	25°35	25°54	25°51	T 15
W16	10 7 36	3°40'11	26° 2	22°46	11° 9	26°14	3°13	11°12	18° 6	8°32	2°38	26°42	25°32	26° 1	25°53	W16
T 17	10 11 32	4°40'10	8♌15	24°32	12°20	27° 0	3°26	11° 7	18° 9	8°32	2°38	26°35	25°29	26° 7	25°54	T 17
F 18	10 15 29	5°40'07	20°44	26°18	13°32	27°46	3°40	11° 3	18°11	8°33	2°39	26°26	25°26	26°14	25°56	F 18
S 19	10 19 25	6°40'02	3♍28	28° 6	14°43	28°32	3°53	10°58	18°14	8°33	2°39	26°15	25°23	26°20	25°58	S 19
S 20	10 23 22	7°39'55	16°27	29°54	15°54	29°18	4° 6	10°53	18°17	8°33	2°39	26° 2	25°19	26°27	25°59	S 20
M21	10 27 19	8°39'45	29°42	1♓44	17° 5	0♒ 4	4°19	10°48	18°19	8°34	2°39	25°50	25°16	26°34	26° 1	M21
T 22	10 31 15	9°39'34	13♎ 8	3°35	18°16	0°50	4°32	10°44	18°22	8°34	2°40	25°39	25°13	26°40	26° 3	T 22
W23	10 35 12	10°39'21	26°46	5°27	19°27	1°37	4°45	10°39	18°24	8°35	2°40	25°30	25°10	26°47	26° 5	W23
T 24	10 39 8	11°39'07	10♏31	7°21	20°38	2°23	4°57	10°34	18°27	8°35	2°40	25°24	25° 7	26°54	26° 7	T 24
F 25	10 43 5	12°38'50	24°24	9°15	21°48	3° 9	5°10	10°29	18°29	8°35	2°40	25°21	25° 4	27° 0	26° 9	F 25
S 26	10 47 1	13°38'32	8♐23	11°11	22°59	3°55	5°23	10°25	18°31	8°35	2°41	25°20	25° 0	27° 7	26°11	S 26
S 27	10 50 58	14°38'13	22°28	13° 7	24° 9	4°41	5°36	10°20	18°34	8°36	2°41	25°20	24°57	27°14	26°13	S 27
M28	10 54 54	15♓37'51	6♉37	15♓ 5	25♈19	5♒27	5♒48	10♍15	18♉36	8♐36	2♊42	25♐20	24♐54	27♊20	26♉15	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s19	21s57	1n10	21s57	1s26	3s30	0s49	23s30	0s47	20s44	0s28	9n 3	2n15	22s51	0s26	20s18	1n31	10n50	10s 8	23s32	23s30	23n36	16n 5	3s16
W 2	15 0	18 47	2 24	21 44	1 32	2 59	0 46	23 26	0 48	20 42	0 28	9 4	2 15	22 51	0 26	20 18	1 31	10 50	10 8	23 32	23 30	23 36	16 6	3 16
T 3	14 41	14 26	3 28	21 28	1 36	2 27	0 43	23 21	0 48	20 39	0 28	9 6	2 15	22 50	0 26	20 18	1 31	10 50	10 8	23 32	23 30	23 35	16 6	3 16
F 4	14 22	9 18	4 18	21 12	1 41	1 55	0 41	23 16	0 49	20 36	0 29	9 8	2 15	22 50	0 26	20 18	1 31	10 50	10 8	23 32	23 30	23 35	16 6	3 15
S 5	14 2	3 45	4 50	20 54	1 45	1 24	0 38	23 11	0 50	20 33	0 29	9 10	2 15	22 49	0 26	20 18	1 31	10 51	10 7	23 31	23 29	23 34	16 6	3 15
S 6	13 42	1n50	5 5	20 35	1 49	0 52	0 35	23 5	0 50	20 30	0 29	9 12	2 16	22 49	0 26	20 18	1 31	10 51	10 7	23 31	23 29	23 33	16 7	3 15
M 7	13 22	7 11	5 2	20 14	1 53	0 20	0 32	22 59	0 51	20 27	0 29	9 13	2 16	22 49	0 26	20 19	1 31	10 51	10 7	23 31	23 29	23 33	16 7	3 15
T 8	13 2	12 2	4 42	19 52	1 56	0n11	0 29	22 53	0 52	20 24	0 29	9 15	2 16	22 48	0 26	20 19	1 31	10 51	10 7	23 31	23 29	23 32	16 7	3 15
W 9	12 41	16 12	4 10	19 28	1 59	0 43	0 25	22 47	0 52	20 21	0 29	9 17	2 16	22 48	0 26	20 19	1 31	10 52	10 6	23 31	23 29	23 31	16 8	3 15
T 10	12 20	19 34	3 26	19 3	2 2	1 15	0 22	22 40	0 53	20 19	0 29	9 19	2 16	22 48	0 26	20 19	1 31	10 52	10 6	23 31	23 29	23 31	16 8	3 15
F 11	12 0	22 0	2 34	18 36	2 4	1 46	0 19	22 33	0 54	20 16	0 29	9 21	2 16	22 47	0 26	20 19	1 31	10 52	10 6	23 31	23 29	23 30	16 8	3 14
S 12	11 38	23 25	1 36	18 8	2 6	2 18	0 16	22 26	0 54	20 13	0 30	9 23	2 16	22 47	0 26	20 19	1 31	10 52	10 6	23 31	23 29	23 29	16 9	3 14
S 13	11 17	23 46	0 34	17 38	2 7	2 50	0 12	22 19	0 55	20 10	0 30	9 25	2 16	22 46	0 26	20 19	1 31	10 53	10 5	23 31	23 29	23 29	16 9	3 14
M14	10 56	23 3	0s29	17 7	2 8	3 21	0 9	22 12	0 56	20 7	0 30	9 26	2 17	22 46	0 26	20 19	1 31	10 53	10 5	23 31	23 29	23 28	16 10	3 14
T 15	10 34	21 18	1 31	16 35	2 8	3 53	0 6	22 4	0 56	20 4	0 30	9 28	2 17	22 46	0 26	20 19	1 31	10 53	10 5	23 31	23 28	23 27	16 10	3 14
W16	10 12	18 36	2 29	16 1	2 8	4 24	0 2	21 56	0 57	20 1	0 30	9 30	2 17	22 45	0 26	20 19	1 32	10 54	10 5	23 30	23 28	23 27	16 11	3 14
T 17	9 51	15 2	3 22	15 25	2 8	4 55	0n 1	21 48	0 57	19 58	0 30	9 32	2 17	22 45	0 27	20 19	1 32	10 54	10 4	23 30	23 28	23 26	16 11	3 14
F 18	9 28	10 46	4 6	14 48	2 7	5 26	0 5	21 39	0 58	19 55	0 30	9 34	2 17	22 45	0 27	20 19	1 32	10 54	10 4	23 30	23 28	23 25	16 12	3 14
S 19	9 6	5 57	4 39	14 9	2 6	5 57	0 9	21 30	0 59	19 52	0 31	9 36	2 17	22 44	0 27	20 19	1 32	10 54	10 4	23 30	23 28	23 25	16 12	3 13
S 20	8 44	0 48	4 57	13 29	2 4	6 28	0 12	21 21	0 59	19 49	0 31	9 38	2 17	22 44	0 27	20 19	1 32	10 55	10 4	23 29	23 28	23 24	16 13	3 13
M21	8 22	4s28	5 1	12 48	2 2	6 59	0 16	21 12	1 0	19 46	0 31	9 40	2 17	22 44	0 27	20 19	1 32	10 55	10 3	23 29	23 28	23 23	16 13	3 13
T 22	7 59	9 37	4 48	12 5	1 59	7 30	0 19	21 3	1 1	19 43	0 31	9 42	2 17	22 43	0 27	20 19	1 32	10 55	10 3	23 29	23 28	23 23	16 14	3 13
W23	7 36	14 22	4 18	11 21	1 56	8 0	0 23	20 53	1 1	19 40	0 31	9 43	2 17	22 43	0 27	20 19	1 32	10 56	10 3	23 28	23 28	23 22	16 14	3 13
T 24	7 14	18 25	3 34	10 35	1 52	8 30	0 27	20 43	1 2	19 37	0 31	9 45	2 17	22 43	0 27	20 19	1 32	10 56	10 2	23 28	23 27	23 21	16 15	3 13
F 25	6 51	21 29	2 36	9 47	1 47	9 0	0 31	20 33	1 2	19 34	0 31	9 47	2 17	22 42	0 27	20 19	1 32	10 56	10 2	23 28	23 27	23 20	16 15	3 13
S 26	6 28	23 16	1 29	8 59	1 42	9 30	0 34	20 23	1 3	19 31	0 32	9 49	2 17	22 42	0 27	20 19	1 32	10 57	10 2	23 28	23 27	23 20	16 16	3 13
S 27	6 5	23 35	0 15	8 9	1 37	10 0	0 38	20 12	1 4	19 28	0 32	9 51	2 17	22 42	0 27	20 19	1 32	10 57	10 2	23 28	23 27	23 19	16 17	3 12
M28	5s41	22s24	0n59	7s18	1s31	10n29	0n42	20s 2	1s 4	19s25	0s32	9n53	2n18	22s42	0s27	20s19	1n32	10n57	10s 1	23s28	23s27	23n18	16n17	3s12

Julian Day Number = 2142952.5, Delta T = 15m05s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'37, Lahiri = 12°04'37 Julian Calendar 1 Feb. 1155 == Greg. Calendar 8 Feb. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

MARCH 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 58 51	16♓37'28	20♑50	17♓ 4	26♈29	6♒13	6♒ 1	10°R10	18♑38	8♐36	2♊42	25°R18	24♐51	27♊27	26♉17	T 1
W 2	11 2 48	17°37'03	5♒ 5	19° 3	27°39	6°59	6°13	10♍ 6	18°41	8°36	2°43	25♐14	24°48	27°34	26°20	W 2
T 3	11 6 44	18°36'36	19°18	21° 3	28°49	7°46	6°25	10° 1	18°43	8°36	2°43	25° 6	24°45	27°40	26°22	T 3
F 4	11 10 41	19°36'07	3♓25	23° 4	29°59	8°32	6°38	9°56	18°45	8°36	2°44	24°56	24°41	27°47	26°25	F 4
S 5	11 14 37	20°35'36	17°21	25° 6	1♉ 9	9°18	6°50	9°52	18°47	8°R36	2°44	24°44	24°38	27°53	26°27	S 5
S 6	11 18 34	21°35'02	1♈ 1	27° 7	2°18	10° 4	7° 2	9°47	18°49	8°36	2°45	24°31	24°35	28° 0	26°30	S 6
M 7	11 22 30	22°34'27	14°23	29° 9	3°28	10°50	7°14	9°43	18°51	8°36	2°45	24°19	24°32	28° 7	26°32	M 7
T 8	11 26 27	23°33'50	27°23	1♈11	4°37	11°37	7°26	9°38	18°53	8°36	2°46	24° 8	24°29	28°13	26°35	T 8
W 9	11 30 23	24°33'10	10♉ 3	3°12	5°46	12°23	7°38	9°34	18°55	8°36	2°46	24° 0	24°25	28°20	26°38	W 9
T 10	11 34 20	25°32'28	22°23	5°12	6°55	13° 9	7°50	9°29	18°57	8°36	2°47	23°55	24°22	28°27	26°41	T 10
F 11	11 38 17	26°31'44	4♊29	7°11	8° 4	13°55	8° 1	9°25	18°59	8°35	2°48	23°52	24°19	28°33	26°43	F 11
S 12	11 42 13	27°30'58	16°23	9° 9	9°12	14°41	8°13	9°20	19° 1	8°35	2°48	23°51	24°16	28°40	26°46	S 12
S 13	11 46 10	28°30'09	28°12	11° 5	10°21	15°28	8°25	9°16	19° 2	8°35	2°49	23°51	24°13	28°47	26°49	S 13
M14	11 50 6	29°29'18	10♋ 0	12°59	11°29	16°14	8°36	9°12	19° 4	8°35	2°50	23°50	24°10	28°53	26°52	M14
T 15	11 54 3	0♈28'24	21°54	14°50	12°37	17° 0	8°48	9° 7	19° 6	8°34	2°50	23°49	24° 6	29° 0	26°55	T 15
W16	11 57 59	1°27'28	3♌58	16°39	13°45	17°46	8°59	9° 3	19° 7	8°34	2°51	23°45	24° 3	29° 7	26°59	W16
T 17	12 1 56	2°26'30	16°17	18°23	14°53	18°33	9°10	8°59	19° 9	8°34	2°52	23°39	24° 0	29°13	27° 2	T 17
F 18	12 5 52	3°25'29	28°55	20° 5	16° 0	19°19	9°21	8°55	19°11	8°33	2°52	23°30	23°57	29°20	27° 5	F 18
S 19	12 9 49	4°24'26	11♍52	21°42	17° 8	20° 5	9°32	8°51	19°12	8°33	2°53	23°19	23°54	29°27	27° 8	S 19
S 20	12 13 46	5°23'21	25°10	23°14	18°15	20°51	9°43	8°47	19°14	8°32	2°54	23° 7	23°50	29°33	27°12	S 20
M21	12 17 42	6°22'14	8♎46	24°42	19°22	21°37	9°54	8°43	19°15	8°32	2°55	22°55	23°47	29°40	27°15	M21
T 22	12 21 39	7°21'05	22°38	26° 6	20°29	22°24	10° 5	8°39	19°16	8°31	2°56	22°44	23°44	29°46	27°18	T 22
W23	12 25 35	8°19'54	6♏42	27°23	21°35	23°10	10°15	8°35	19°18	8°31	2°57	22°35	23°41	29°53	27°22	W23
T 24	12 29 32	9°18'41	20°52	28°36	22°42	23°56	10°26	8°31	19°19	8°30	2°57	22°29	23°38	29°59	27°25	T 24
F 25	12 33 28	10°17'26	5♐ 5	29°43	23°48	24°42	10°36	8°28	19°20	8°29	2°58	22°26	23°35	0♋ 6	27°29	F 25
S 26	12 37 25	11°16'10	19°17	0♉45	24°54	25°28	10°46	8°24	19°21	8°29	2°59	22°D25	23°31	0°13	27°32	S 26
S 27	12 41 21	12°14'52	3♑27	1°41	26° 0	26°15	10°57	8°21	19°22	8°28	3° 0	22°25	23°28	0°20	27°36	S 27
M28	12 45 18	13°13'32	17°34	2°30	27° 6	27° 1	11° 7	8°17	19°23	8°27	3° 1	22°R25	23°25	0°26	27°40	M28
T 29	12 49 14	14°12'10	1♒36	3°14	28°11	27°47	11°17	8°14	19°24	8°27	3° 2	22°24	23°22	0°33	27°44	T 29
W30	12 53 11	15°10'47	15°32	3°52	29°16	28°33	11°27	8°10	19°25	8°26	3° 3	22°21	23°19	0°40	27°47	W30
T 31	12 57 8	16♈ 9'22	29♒21	4♉24	0♊21	29♒19	11♒36	8♍ 7	19♑26	8♐25	3♊ 4	22♐15	23♐16	0♋46	27♉51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s18	19s46	2n11	6s25	1s24	10n59	0n46	19s51	1s 5	19s22	0s32	9n54	2n18	22s41	0s27	20s19	1n32	10n58	10s 1	23s28	23s27	23n17	16n18	3s12
W 2	4 55	15 57	3 14	5 32	1 17	11 28	0 50	19 40	1 5	19 19	0 32	9 56	2 18	22 41	0 27	20 19	1 32	10 58	10 1	23 28	23 27	23 17	16 18	3 12
T 3	4 32	11 14	4 4	4 37	1 9	11 56	0 54	19 28	1 6	19 16	0 32	9 58	2 18	22 41	0 27	20 19	1 32	10 58	10 1	23 27	23 27	23 16	16 19	3 12
F 4	4 8	5 57	4 40	3 42	1 1	12 25	0 57	19 17	1 6	19 13	0 32	10 0	2 18	22 40	0 27	20 19	1 32	10 59	10 0	23 27	23 26	23 15	16 20	3 12
S 5	3 45	0 27	4 58	2 46	0 52	12 53	1 1	19 5	1 7	19 11	0 33	10 2	2 18	22 40	0 27	20 19	1 32	10 59	10 0	23 27	23 26	23 14	16 20	3 12
S 6	3 21	4n58	4 58	1 48	0 43	13 21	1 5	18 53	1 8	19 8	0 33	10 3	2 18	22 40	0 27	20 19	1 32	10 59	10 0	23 26	23 26	23 14	16 21	3 12
M 7	2 58	10 2	4 43	0 51	0 33	13 48	1 9	18 41	1 8	19 5	0 33	10 5	2 18	22 40	0 27	20 19	1 32	11 0	10 0	23 26	23 26	23 13	16 22	3 11
T 8	2 34	14 30	4 12	0n 7	0 23	14 16	1 13	18 29	1 9	19 2	0 33	10 7	2 18	22 39	0 27	20 19	1 32	11 0	9 59	23 25	23 26	23 12	16 23	3 11
W 9	2 10	18 12	3 30	1 5	0 12	14 42	1 17	18 16	1 9	18 59	0 33	10 9	2 18	22 39	0 27	20 19	1 32	11 0	9 59	23 25	23 26	23 11	16 23	3 11
T 10	1 47	21 0	2 38	2 3	0 1	15 9	1 21	18 4	1 10	18 56	0 33	10 10	2 18	22 39	0 27	20 19	1 33	11 1	9 59	23 24	23 26	23 10	16 24	3 11
F 11	1 23	22 47	1 41	3 1	0n10	15 35	1 24	17 51	1 10	18 53	0 34	10 12	2 18	22 39	0 27	20 19	1 33	11 1	9 59	23 24	23 26	23 10	16 25	3 11
S 12	1 0	23 30	0 39	3 58	0 21	16 1	1 28	17 38	1 11	18 50	0 34	10 14	2 18	22 38	0 27	20 19	1 33	11 1	9 59	23 24	23 25	23 9	16 26	3 11
S 13	0 36	23 9	0s23	4 55	0 33	16 27	1 32	17 25	1 11	18 47	0 34	10 15	2 18	22 38	0 27	20 19	1 33	11 2	9 58	23 24	23 25	23 8	16 26	3 11
M14	0 12	21 46	1 25	5 51	0 45	16 52	1 36	17 11	1 12	18 45	0 34	10 17	2 18	22 38	0 27	20 19	1 33	11 2	9 58	23 24	23 25	23 7	16 27	3 11
T 15	0n11	19 24	2 23	6 45	0 57	17 16	1 40	16 58	1 12	18 42	0 34	10 18	2 18	22 38	0 27	20 18	1 33	11 2	9 58	23 24	23 25	23 6	16 28	3 11
W16	0 35	16 11	3 16	7 38	1 9	17 41	1 43	16 44	1 13	18 39	0 34	10 20	2 17	22 38	0 27	20 18	1 33	11 3	9 58	23 24	23 25	23 5	16 29	3 11
T 17	0 59	12 12	4 0	8 29	1 20	18 5	1 47	16 30	1 13	18 36	0 35	10 22	2 17	22 37	0 27	20 18	1 33	11 3	9 57	23 24	23 25	23 5	16 30	3 11
F 18	1 22	7 37	4 34	9 18	1 32	18 28	1 51	16 16	1 14	18 33	0 35	10 23	2 17	22 37	0 27	20 18	1 33	11 3	9 57	23 23	23 25	23 4	16 30	3 10
S 19	1 46	2 36	4 55	10 5	1 43	18 51	1 54	16 2	1 14	18 30	0 35	10 25	2 17	22 37	0 27	20 18	1 33	11 4	9 57	23 23	23 24	23 3	16 31	3 10
S 20	2 9	2s40	5 1	10 50	1 54	19 14	1 58	15 47	1 15	18 28	0 35	10 26	2 17	22 37	0 27	20 18	1 33	11 4	9 57	23 22	23 24	23 2	16 32	3 10
M21	2 32	7 56	4 50	11 32	2 4	19 36	2 2	15 33	1 15	18 25	0 35	10 27	2 17	22 37	0 27	20 18	1 33	11 5	9 56	23 21	23 24	23 1	16 33	3 10
T 22	2 56	12 53	4 22	12 11	2 13	19 58	2 5	15 18	1 16	18 22	0 36	10 29	2 17	22 37	0 27	20 18	1 33	11 5	9 56	23 21	23 24	23 0	16 34	3 10
W23	3 19	17 14	3 37	12 48	2 22	20 19	2 9	15 4	1 16	18 20	0 36	10 30	2 17	22 36	0 27	20 17	1 33	11 5	9 56	23 20	23 24	22 59	16 35	3 10
T 24	3 42	20 36	2 39	13 22	2 31	20 40	2 12	14 49	1 17	18 17	0 36	10 32	2 17	22 36	0 27	20 17	1 33	11 6	9 56	23 20	23 24	22 59	16 35	3 10
F 25	4 6	22 44	1 31	13 53	2 38	21 0	2 16	14 34	1 17	18 14	0 36	10 33	2 17	22 36	0 27	20 17	1 33	11 6	9 56	23 20	23 24	22 58	16 36	3 10
S 26	4 29	23 23	0 17	14 21	2 45	21 20	2 19	14 18	1 18	18 12	0 36	10 34	2 17	22 36	0 28	20 17	1 33	11 6	9 55	23 20	23 23	22 57	16 37	3 10
S 27	4 52	22 32	0n58	14 46	2 50	21 39	2 23	14 3	1 18	18 9	0 36	10 35	2 17	22 36	0 28	20 17	1 33	11 7	9 55	23 20	23 23	22 56	16 38	3 10
M28	5 15	20 15	2 10	15 8	2 55	21 58	2 26	13 48	1 19	18 6	0 37	10 37	2 17	22 36	0 28	20 17	1 33	11 7	9 55	23 20	23 23	22 55	16 39	3 10
T 29	5 38	16 46	3 12	15 26	2 58	22 16	2 29	13 32	1 19	18 4	0 37	10 38	2 17	22 36	0 28	20 17	1 33	11 8	9 55	23 20	23 23	22 54	16 40	3 10
W30	6 0	12 23	4 3	15 42	3 1	22 34	2 32	13 16	1 19	18 1	0 37	10 39	2 16	22 35	0 28	20 16	1 33	11 8	9 55	23 20	23 23	22 53	16 41	3 10
T 31	6n23	7s23	4n40	15n54	3n 2	22n51	2n35	13s 0	1s20	17s59	0s37	10n40	2n16	22s35	0s28	20s16	1n33	11n 8	9s54	23s19	23s23	22n52	16n42	3s10

Julian Day Number = 2142980.5, Delta T = 15m05s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'40, Lahiri = 12°04'41 Julian Calendar 1 March 1155 == Greg. Calendar 8 March 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

APRIL 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 1 4	17♈ 7'55	13♓ 2	4♉50	1♊25	0♓ 5	11♒46	8°R 4	19♑27	8°R24	3♊ 5	22°R 6	23♐12	0♋53	27♉55	F 1
S 2	13 5 1	18° 6'27	26°32	5°10	2°30	0°51	11°56	8♍ 1	19°28	8♐23	3° 6	21♐56	23° 9	1° 0	27°59	S 2
S 3	13 8 57	19° 4'56	9♈48	5°23	3°34	1°38	12° 5	7°58	19°29	8°22	3° 7	21°45	23° 6	1° 6	28° 3	S 3
M 4	13 12 54	20° 3'24	22°50	5°31	4°38	2°24	12°14	7°55	19°29	8°21	3° 8	21°35	23° 3	1°13	28° 7	M 4
T 5	13 16 50	21° 1'50	5♉36	5°R33	5°41	3°10	12°23	7°52	19°30	8°21	3° 9	21°25	23° 0	1°19	28°11	T 5
W 6	13 20 47	22° 0'13	18° 6	5°29	6°45	3°56	12°32	7°49	19°31	8°20	3°10	21°18	22°56	1°26	28°15	W 6
T 7	13 24 43	22°58'35	0♊21	5°20	7°48	4°42	12°41	7°47	19°31	8°19	3°11	21°14	22°53	1°33	28°19	T 7
F 8	13 28 40	23°56'55	12°23	5° 6	8°51	5°28	12°50	7°44	19°32	8°18	3°12	21°11	22°50	1°39	28°23	F 8
S 9	13 32 37	24°55'13	24°16	4°47	9°53	6°14	12°59	7°42	19°32	8°17	3°14	21°D11	22°47	1°46	28°27	S 9
S 10	13 36 33	25°53'29	6♋ 4	4°23	10°55	7° 0	13° 7	7°39	19°33	8°15	3°15	21°12	22°44	1°53	28°31	S 10
M11	13 40 30	26°51'43	17°53	3°56	11°57	7°46	13°16	7°37	19°33	8°14	3°16	21°13	22°41	1°59	28°36	M11
T 12	13 44 26	27°49'54	29°47	3°26	12°58	8°32	13°24	7°35	19°33	8°13	3°17	21°R13	22°37	2° 6	28°40	T 12
W13	13 48 23	28°48'04	11♌52	2°52	13°59	9°18	13°32	7°33	19°34	8°12	3°18	21°12	22°34	2°13	28°44	W13
T 14	13 52 19	29°46'12	24°12	2°17	15° 0	10° 4	13°40	7°31	19°34	8°11	3°19	21° 9	22°31	2°19	28°49	T 14
F 15	13 56 16	0♉44'17	6♍52	1°40	16° 1	10°49	13°48	7°29	19°34	8°10	3°20	21° 4	22°28	2°26	28°53	F 15
S 16	14 0 12	1°42'21	19°55	1° 2	17° 1	11°35	13°56	7°27	19°34	8° 9	3°22	20°58	22°25	2°33	28°57	S 16
S 17	14 4 9	2°40'22	3♎23	0°24	18° 0	12°21	14° 3	7°25	19°34	8° 7	3°23	20°50	22°22	2°39	29° 2	S 17
M18	14 8 6	3°38'22	17°14	29♈47	18°59	13° 7	14°11	7°24	19°R34	8° 6	3°24	20°42	22°18	2°46	29° 6	M18
T 19	14 12 2	4°36'20	1♏25	29°11	19°58	13°53	14°18	7°22	19°34	8° 5	3°25	20°35	22°15	2°53	29°11	T 19
W20	14 15 59	5°34'17	15°51	28°36	20°56	14°38	14°25	7°21	19°34	8° 4	3°27	20°30	22°12	2°59	29°15	W20
T 21	14 19 55	6°32'12	0♐27	28° 4	21°54	15°24	14°32	7°19	19°34	8° 2	3°28	20°26	22° 9	3° 6	29°19	T 21
F 22	14 23 52	7°30'06	15° 5	27°35	22°52	16°10	14°39	7°18	19°34	8° 1	3°29	20°D25	22° 6	3°12	29°24	F 22
S 23	14 27 48	8°27'58	29°40	27° 9	23°49	16°55	14°45	7°17	19°34	8° 0	3°30	20°25	22° 2	3°19	29°29	S 23
S 24	14 31 45	9°25'49	14♑ 7	26°47	24°45	17°41	14°52	7°16	19°33	7°58	3°32	20°26	21°59	3°26	29°33	S 24
M25	14 35 41	10°23'39	28°23	26°29	25°41	18°27	14°58	7°15	19°33	7°57	3°33	20°27	21°56	3°32	29°38	M25
T 26	14 39 38	11°21'27	12♒26	26°15	26°37	19°12	15° 5	7°14	19°33	7°55	3°34	20°R28	21°53	3°39	29°42	T 26
W27	14 43 35	12°19'14	26°15	26° 5	27°31	19°58	15°11	7°13	19°32	7°54	3°35	20°27	21°50	3°46	29°47	W27
T 28	14 47 31	13°17'00	9♓50	26° 0	28°26	20°43	15°17	7°13	19°32	7°53	3°37	20°24	21°47	3°52	29°52	T 28
F 29	14 51 28	14°14'45	23°11	25°D59	29°20	21°29	15°22	7°12	19°31	7°51	3°38	20°20	21°43	3°59	29°56	F 29
S 30	14 55 24	15♉12'29	6♈18	26♈ 3	0♋13	22♓14	15♒28	7♍12	19♑31	7♐50	3♊39	20♐15	21♐40	4♋ 6	0♊ 1	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n46	2s 5	5n 0	16n 3	3n 2	23n 7	2n38	12s45	1s20	17s56	0s37	10n41	2n16	22s35	0s28	20s16	1n33	11n 9	9s54	23s19	23s22	22n51	16n43	3s 9
S 2	7 8	3n14	5 2	16 8	3 1	23 24	2 41	12 28	1 21	17 54	0 38	10 42	2 16	22 35	0 28	20 16	1 33	11 9	9 54	23 18	23 22	22 50	16 43	3 9
S 3	7 30	8 19	4 49	16 11	2 58	23 39	2 44	12 12	1 21	17 51	0 38	10 43	2 16	22 35	0 28	20 16	1 34	11 9	9 54	23 17	23 22	22 50	16 44	3 9
M 4	7 53	12 56	4 20	16 10	2 55	23 54	2 47	11 56	1 21	17 49	0 38	10 44	2 16	22 35	0 28	20 16	1 34	11 10	9 54	23 17	23 22	22 49	16 45	3 9
T 5	8 15	16 53	3 39	16 5	2 49	24 8	2 50	11 40	1 22	17 46	0 38	10 45	2 16	22 35	0 28	20 15	1 34	11 10	9 53	23 16	23 22	22 48	16 46	3 9
W 6	8 37	19 59	2 48	15 58	2 43	24 22	2 53	11 23	1 22	17 44	0 38	10 46	2 16	22 35	0 28	20 15	1 34	11 10	9 53	23 16	23 22	22 47	16 47	3 9
T 7	8 58	22 6	1 49	15 48	2 35	24 35	2 55	11 7	1 23	17 42	0 39	10 47	2 16	22 35	0 28	20 15	1 34	11 11	9 53	23 15	23 21	22 46	16 48	3 9
F 8	9 20	23 10	0 47	15 34	2 26	24 48	2 58	10 50	1 23	17 39	0 39	10 48	2 15	22 35	0 28	20 15	1 34	11 11	9 53	23 15	23 21	22 45	16 49	3 9
S 9	9 41	23 9	0s17	15 18	2 16	25 0	3 0	10 33	1 23	17 37	0 39	10 49	2 15	22 35	0 28	20 15	1 34	11 12	9 53	23 15	23 21	22 44	16 50	3 9
S 10	10 3	22 5	1 19	14 59	2 4	25 12	3 2	10 16	1 24	17 35	0 39	10 50	2 15	22 35	0 28	20 14	1 34	11 12	9 53	23 15	23 21	22 43	16 51	3 9
M11	10 24	20 3	2 19	14 38	1 51	25 22	3 5	10 0	1 24	17 33	0 39	10 50	2 15	22 35	0 28	20 14	1 34	11 12	9 52	23 15	23 21	22 42	16 52	3 9
T 12	10 45	17 9	3 12	14 14	1 37	25 33	3 7	9 43	1 24	17 31	0 40	10 51	2 15	22 35	0 28	20 14	1 34	11 13	9 52	23 15	23 21	22 41	16 53	3 9
W13	11 6	13 29	3 59	13 49	1 23	25 42	3 9	9 26	1 25	17 28	0 40	10 52	2 15	22 35	0 28	20 14	1 34	11 13	9 52	23 15	23 20	22 40	16 54	3 9
T 14	11 27	9 12	4 35	13 22	1 7	25 52	3 11	9 8	1 25	17 26	0 40	10 52	2 15	22 35	0 28	20 14	1 34	11 13	9 52	23 15	23 20	22 39	16 55	3 9
F 15	11 47	4 24	4 58	12 54	0 51	26 0	3 13	8 51	1 25	17 24	0 40	10 53	2 15	22 35	0 28	20 13	1 34	11 14	9 52	23 15	23 20	22 38	16 56	3 9
S 16	12 7	0s42	5 8	12 25	0 34	26 8	3 14	8 34	1 26	17 22	0 41	10 53	2 14	22 35	0 28	20 13	1 34	11 14	9 52	23 14	23 20	22 37	16 57	3 9
S 17	12 27	5 56	5 0	11 56	0 17	26 15	3 16	8 17	1 26	17 20	0 41	10 54	2 14	22 35	0 28	20 13	1 34	11 15	9 51	23 14	23 20	22 36	16 57	3 9
M18	12 47	11 2	4 36	11 26	0s 0	26 22	3 17	7 59	1 26	17 18	0 41	10 54	2 14	22 35	0 28	20 13	1 34	11 15	9 51	23 13	23 19	22 35	16 58	3 9
T 19	13 7	15 40	3 54	10 57	0 18	26 28	3 19	7 42	1 26	17 16	0 41	10 55	2 14	22 35	0 28	20 13	1 34	11 15	9 51	23 13	23 19	22 34	16 59	3 9
W20	13 26	19 28	2 56	10 29	0 35	26 34	3 20	7 24	1 27	17 15	0 41	10 55	2 14	22 35	0 28	20 12	1 34	11 16	9 51	23 12	23 19	22 33	17 0	3 9
T 21	13 46	22 4	1 46	10 2	0 51	26 39	3 21	7 7	1 27	17 13	0 42	10 56	2 14	22 35	0 28	20 12	1 34	11 16	9 51	23 12	23 19	22 32	17 1	3 9
F 22	14 5	23 11	0 29	9 36	1 8	26 43	3 22	6 49	1 27	17 11	0 42	10 56	2 13	22 35	0 28	20 12	1 34	11 16	9 51	23 12	23 19	22 31	17 2	3 9
S 23	14 23	22 43	0n50	9 12	1 23	26 47	3 23	6 32	1 27	17 9	0 42	10 56	2 13	22 35	0 28	20 12	1 34	11 17	9 51	23 12	23 18	22 30	17 3	3 9
S 24	14 42	20 43	2 5	8 50	1 39	26 50	3 23	6 14	1 28	17 7	0 42	10 56	2 13	22 35	0 28	20 11	1 34	11 17	9 50	23 12	23 18	22 29	17 4	3 9
M25	15 0	17 27	3 12	8 31	1 53	26 52	3 24	5 56	1 28	17 6	0 43	10 57	2 13	22 35	0 28	20 11	1 34	11 17	9 50	23 12	23 18	22 28	17 5	3 9
T 26	15 18	13 13	4 5	8 13	2 6	26 54	3 24	5 38	1 28	17 4	0 43	10 57	2 13	22 35	0 28	20 11	1 34	11 18	9 50	23 12	23 18	22 27	17 6	3 9
W27	15 36	8 22	4 44	7 58	2 19	26 56	3 24	5 21	1 28	17 3	0 43	10 57	2 13	22 35	0 28	20 11	1 34	11 18	9 50	23 12	23 18	22 26	17 7	3 9
T 28	15 54	3 12	5 6	7 45	2 30	26 57	3 25	5 3	1 28	17 1	0 43	10 57	2 12	22 35	0 29	20 10	1 34	11 18	9 50	23 12	23 18	22 25	17 8	3 9
F 29	16 11	2n 2	5 11	7 35	2 41	26 57	3 24	4 45	1 29	17 0	0 44	10 57	2 12	22 36	0 29	20 10	1 34	11 19	9 50	23 12	23 17	22 24	17 9	3 9
S 30	16n28	7n 5	4n59	7n28	2s50	26n57	3n24	4s27	1s29	16s58	0s44	10n57	2n12	22s36	0s29	20s10	1n34	11n19	9s50	23s11	23s17	22n23	17n10	3s 9

Julian Day Number = 2143011.5, Delta T = 15m05s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'45, Lahiri = 12°04'45 Julian Calendar 1 Apr. 1155 == Greg. Calendar 8 Apr. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

MAY 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 59 21	16♉10'11	19♈12	26♈11	1♋ 6	22♓59	15♒33	7°R12	19°R30	7°R48	3♊41	20°R 9	21♐37	4♋12	0♊ 5	S 1
M 2	15 3 17	17° 7'53	1♉52	26°24	1°58	23°45	15°39	7♍11	19♑29	7♐47	3°42	20♐ 4	21°34	4°19	0°10	M 2
T 3	15 7 14	18° 5'33	14°20	26°42	2°49	24°30	15°44	7°11	19°29	7°45	3°43	19°59	21°31	4°26	0°15	T 3
W 4	15 11 10	19° 3'11	26°36	27° 4	3°40	25°15	15°49	7°D11	19°28	7°44	3°45	19°55	21°27	4°32	0°20	W 4
T 5	15 15 7	20° 0'49	8♊41	27°30	4°29	26° 1	15°53	7°11	19°27	7°42	3°46	19°53	21°24	4°39	0°24	T 5
F 6	15 19 4	20°58'25	20°37	28° 0	5°19	26°46	15°58	7°12	19°26	7°41	3°47	19°D53	21°21	4°46	0°29	F 6
S 7	15 23 0	21°56'00	2♋28	28°35	6° 7	27°31	16° 2	7°12	19°25	7°39	3°49	19°53	21°18	4°52	0°34	S 7
S 8	15 26 57	22°53'34	14°15	29°13	6°55	28°16	16° 7	7°12	19°24	7°38	3°50	19°55	21°15	4°59	0°39	S 8
M 9	15 30 53	23°51'06	26° 4	29°55	7°42	29° 1	16°11	7°13	19°23	7°36	3°52	19°57	21°12	5° 6	0°43	M 9
T 10	15 34 50	24°48'36	7♌57	0♌41	8°28	29°46	16°14	7°13	19°22	7°35	3°53	19°58	21° 8	5°12	0°48	T 10
W11	15 38 46	25°46'06	20° 2	1°31	9°13	0♈31	16°18	7°14	19°21	7°33	3°54	19°59	21° 5	5°19	0°53	W11
T 12	15 42 43	26°43'34	2♍21	2°24	9°57	1°16	16°22	7°15	19°20	7°31	3°56	19°R59	21° 2	5°25	0°58	T 12
F 13	15 46 39	27°41'00	14°59	3°21	10°40	2° 1	16°25	7°16	19°19	7°30	3°57	19°58	20°59	5°32	1° 3	F 13
S 14	15 50 36	28°38'26	28° 1	4°21	11°23	2°45	16°28	7°17	19°18	7°28	3°58	19°56	20°56	5°39	1° 7	S 14
S 15	15 54 33	29°35'50	11♎28	5°24	12° 4	3°30	16°31	7°18	19°17	7°27	4° 0	19°54	20°53	5°45	1°12	S 15
M16	15 58 29	0♊33'13	25°22	6°30	12°44	4°15	16°34	7°19	19°15	7°25	4° 1	19°51	20°49	5°52	1°17	M16
T 17	16 2 26	1°30'34	9♏41	7°40	13°23	4°59	16°37	7°21	19°14	7°23	4° 3	19°49	20°46	5°59	1°22	T 17
W18	16 6 22	2°27'55	24°20	8°53	14° 1	5°44	16°39	7°22	19°13	7°22	4° 4	19°47	20°43	6° 5	1°27	W18
T 19	16 10 19	3°25'15	9♐14	10° 8	14°38	6°28	16°41	7°23	19°11	7°20	4° 5	19°46	20°40	6°12	1°31	T 19
F 20	16 14 15	4°22'34	24°13	11°27	15°13	7°13	16°43	7°25	19°10	7°19	4° 7	19°D46	20°37	6°19	1°36	F 20
S 21	16 18 12	5°19'53	9♑11	12°49	15°47	7°57	16°45	7°27	19° 8	7°17	4° 8	19°46	20°33	6°25	1°41	S 21
S 22	16 22 8	6°17'11	23°59	14°14	16°20	8°42	16°47	7°29	19° 7	7°15	4°10	19°47	20°30	6°32	1°46	S 22
M23	16 26 5	7°14'28	8♒32	15°41	16°51	9°26	16°48	7°31	19° 5	7°14	4°11	19°48	20°27	6°39	1°51	M23
T 24	16 30 2	8°11'45	22°46	17°12	17°21	10°10	16°50	7°33	19° 4	7°12	4°12	19°49	20°24	6°45	1°55	T 24
W25	16 33 58	9° 9'01	6♓38	18°45	17°50	10°54	16°51	7°35	19° 2	7°10	4°14	19°R49	20°21	6°52	2° 0	W25
T 26	16 37 55	10° 6'17	20° 9	20°21	18°17	11°38	16°52	7°37	19° 0	7° 9	4°15	19°49	20°18	6°59	2° 5	T 26
F 27	16 41 51	11° 3'33	3♈20	22° 0	18°42	12°22	16°52	7°39	18°59	7° 7	4°16	19°49	20°14	7° 5	2°10	F 27
S 28	16 45 48	12° 0'48	16°13	23°42	19° 6	13° 6	16°53	7°42	18°57	7° 6	4°18	19°48	20°11	7°12	2°15	S 28
S 29	16 49 44	12°58'04	28°50	25°26	19°28	13°50	16°53	7°44	18°55	7° 4	4°19	19°47	20° 8	7°19	2°19	S 29
M30	16 53 41	13°55'18	11♉14	27°14	19°48	14°34	16°R53	7°47	18°53	7° 2	4°21	19°46	20° 5	7°25	2°24	M30
T 31	16 57 37	14♊52'33	23♉26	29♉ 3	20♋ 7	15♈18	16♒53	7♍49	18♑51	7♐ 1	4♊22	19♐45	20♐ 2	7♋32	2♊29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n45	11n45	4n32	7n23	2s59	26n56	3n24	4s 9	1s29	16s57	0s44	10n57	2n12	22s36	0s29	20s10	1n34	11n19	9s50	23s11	23s17	22n21	17n11	3s 9
M 2	17 2	15 49	3 53	7 20	3 6	26 55	3 23	3 51	1 29	16 55	0 44	10 57	2 12	22 36	0 29	20 9	1 34	11 20	9 50	23 10	23 17	22 20	17 12	3 9
T 3	17 18	19 7	3 2	7 20	3 13	26 53	3 22	3 33	1 29	16 54	0 45	10 57	2 12	22 36	0 29	20 9	1 34	11 20	9 49	23 10	23 17	22 19	17 13	3 9
W 4	17 34	21 30	2 4	7 23	3 19	26 51	3 21	3 16	1 29	16 53	0 45	10 57	2 11	22 36	0 29	20 9	1 34	11 20	9 49	23 10	23 16	22 18	17 14	3 9
T 5	17 50	22 51	1 1	7 28	3 23	26 48	3 20	2 58	1 29	16 52	0 45	10 56	2 11	22 36	0 29	20 9	1 34	11 21	9 49	23 10	23 16	22 17	17 15	3 9
F 6	18 5	23 9	0s 4	7 35	3 27	26 45	3 19	2 40	1 30	16 51	0 45	10 56	2 11	22 36	0 29	20 8	1 34	11 21	9 49	23 10	23 16	22 16	17 15	3 9
S 7	18 20	22 23	1 9	7 45	3 30	26 41	3 17	2 22	1 30	16 50	0 46	10 56	2 11	22 37	0 29	20 8	1 34	11 21	9 49	23 10	23 16	22 15	17 16	3 9
S 8	18 35	20 38	2 10	7 57	3 32	26 37	3 15	2 4	1 30	16 49	0 46	10 56	2 11	22 37	0 29	20 8	1 34	11 22	9 49	23 10	23 15	22 14	17 17	3 10
M 9	18 49	17 59	3 6	8 11	3 33	26 32	3 13	1 46	1 30	16 48	0 46	10 55	2 11	22 37	0 29	20 8	1 34	11 22	9 49	23 10	23 15	22 13	17 18	3 10
T 10	19 3	14 35	3 55	8 27	3 33	26 27	3 11	1 28	1 30	16 47	0 46	10 55	2 10	22 37	0 29	20 7	1 34	11 22	9 49	23 10	23 15	22 12	17 19	3 10
W11	19 17	10 33	4 33	8 44	3 32	26 22	3 9	1 10	1 30	16 46	0 47	10 54	2 10	22 37	0 29	20 7	1 34	11 23	9 49	23 10	23 15	22 10	17 20	3 10
T 12	19 31	6 0	5 1	9 4	3 31	26 16	3 6	0 52	1 30	16 45	0 47	10 54	2 10	22 37	0 29	20 7	1 34	11 23	9 49	23 10	23 15	22 9	17 21	3 10
F 13	19 44	1 7	5 14	9 25	3 28	26 9	3 3	0 35	1 30	16 44	0 47	10 53	2 10	22 38	0 29	20 7	1 34	11 23	9 49	23 10	23 14	22 8	17 22	3 10
S 14	19 57	3s59	5 12	9 48	3 25	26 3	3 0	0 17	1 30	16 43	0 47	10 53	2 10	22 38	0 29	20 6	1 34	11 24	9 49	23 10	23 14	22 7	17 23	3 10
S 15	20 9	9 3	4 53	10 13	3 22	25 55	2 56	0n 1	1 30	16 43	0 48	10 52	2 10	22 38	0 29	20 6	1 34	11 24	9 49	23 10	23 14	22 6	17 24	3 10
M16	20 22	13 50	4 17	10 39	3 17	25 48	2 53	0 19	1 30	16 42	0 48	10 52	2 9	22 38	0 29	20 6	1 34	11 24	9 49	23 9	23 14	22 5	17 25	3 10
T 17	20 33	18 0	3 24	11 6	3 12	25 40	2 49	0 37	1 30	16 42	0 48	10 51	2 9	22 38	0 29	20 6	1 34	11 25	9 48	23 9	23 14	22 4	17 25	3 10
W18	20 45	21 8	2 16	11 34	3 7	25 32	2 44	0 54	1 30	16 41	0 48	10 50	2 9	22 39	0 29	20 5	1 34	11 25	9 48	23 9	23 13	22 2	17 26	3 10
T 19	20 56	22 53	0 58	12 4	3 1	25 24	2 40	1 12	1 30	16 41	0 49	10 50	2 9	22 39	0 29	20 5	1 34	11 25	9 48	23 9	23 13	22 1	17 27	3 10
F 20	21 7	23 1	0n25	12 35	2 54	25 15	2 35	1 30	1 30	16 40	0 49	10 49	2 9	22 39	0 29	20 5	1 34	11 25	9 48	23 9	23 13	22 0	17 28	3 10
S 21	21 17	21 28	1 46	13 7	2 46	25 6	2 30	1 47	1 30	16 40	0 49	10 48	2 8	22 39	0 29	20 4	1 34	11 26	9 48	23 9	23 13	21 59	17 29	3 11
S 22	21 27	18 29	2 59	13 39	2 38	24 56	2 25	2 5	1 30	16 40	0 49	10 47	2 8	22 40	0 29	20 4	1 34	11 26	9 48	23 9	23 12	21 58	17 30	3 11
M23	21 37	14 22	3 59	14 13	2 30	24 47	2 19	2 22	1 30	16 40	0 50	10 46	2 8	22 40	0 29	20 4	1 34	11 26	9 48	23 9	23 12	21 57	17 31	3 11
T 24	21 46	9 32	4 43	14 47	2 21	24 37	2 13	2 40	1 30	16 39	0 50	10 45	2 8	22 40	0 29	20 4	1 34	11 27	9 48	23 9	23 12	21 55	17 31	3 11
W25	21 55	4 20	5 9	15 22	2 12	24 27	2 7	2 57	1 30	16 39	0 50	10 44	2 8	22 40	0 29	20 3	1 34	11 27	9 48	23 9	23 12	21 54	17 32	3 11
T 26	22 4	0n56	5 17	15 57	2 2	24 17	2 0	3 15	1 30	16 39	0 51	10 43	2 8	22 41	0 29	20 3	1 34	11 27	9 48	23 9	23 11	21 53	17 33	3 11
F 27	22 12	6 3	5 8	16 33	1 52	24 6	1 53	3 32	1 30	16 39	0 51	10 42	2 7	22 41	0 29	20 3	1 34	11 27	9 48	23 9	23 11	21 52	17 34	3 11
S 28	22 20	10 46	4 44	17 8	1 42	23 56	1 46	3 49	1 30	16 40	0 51	10 41	2 7	22 41	0 29	20 3	1 34	11 28	9 48	23 9	23 11	21 51	17 35	3 11
S 29	22 27	14 57	4 7	17 44	1 31	23 45	1 38	4 6	1 30	16 40	0 51	10 40	2 7	22 41	0 29	20 2	1 34	11 28	9 48	23 9	23 11	21 49	17 35	3 11
M30	22 35	18 24	3 18	18 20	1 20	23 34	1 30	4 24	1 30	16 40	0 52	10 39	2 7	22 42	0 29	20 2	1 34	11 28	9 48	23 9	23 11	21 48	17 36	3 12
T 31	22n41	20n59	2n21	18n55	1s 9	23n23	1n22	4n41	1s29	16s40	0s52	10n38	2n 7	22s42	0s29	20s 2	1n34	11n28	9s48	23s 9	23s10	21n47	17n37	3s12

Julian Day Number = 2143041.5, Delta T = 15m04s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'49, Lahiri = 12°04'49 Julian Calendar 1 May 1155 == Greg. Calendar 8 May 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

JUNE 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 1 34	15♊49'47	5♊28	0♊56	20♋23	16♈ 2	16°R53	7♍52	18°R50	6°R59	4♊23	19°R45	19♐59	7♋38	2♊34	W 1
T 2	17 5 31	16°47'00	17°24	2°51	20°38	16°45	16♒53	7°55	18♑48	6♐58	4°25	19°D45	19°55	7°45	2°38	T 2
F 3	17 9 27	17°44'14	29°14	4°48	20°50	17°29	16°52	7°58	18°46	6°56	4°26	19♐45	19°52	7°52	2°43	F 3
S 4	17 13 24	18°41'27	11♋ 2	6°48	21° 1	18°12	16°51	8° 1	18°44	6°54	4°27	19°45	19°49	7°58	2°48	S 4
S 5	17 17 20	19°38'39	22°50	8°50	21° 9	18°56	16°50	8° 4	18°42	6°53	4°29	19°R45	19°46	8° 5	2°52	S 5
M 6	17 21 17	20°35'51	4♌40	10°54	21°15	19°39	16°49	8° 7	18°40	6°51	4°30	19°45	19°43	8°12	2°57	M 6
T 7	17 25 13	21°33'03	16°36	13° 0	21°19	20°23	16°48	8°11	18°38	6°50	4°31	19°45	19°39	8°18	3° 2	T 7
W 8	17 29 10	22°30'14	28°41	15° 7	21°R21	21° 6	16°46	8°14	18°36	6°48	4°33	19°45	19°36	8°25	3° 6	W 8
T 9	17 33 6	23°27'24	11♍ 0	17°15	21°20	21°49	16°44	8°18	18°34	6°47	4°34	19°44	19°33	8°32	3°11	T 9
F 10	17 37 3	24°24'34	23°36	19°24	21°17	22°32	16°42	8°21	18°32	6°45	4°35	19°D44	19°30	8°38	3°16	F 10
S 11	17 41 0	25°21'44	6♎33	21°34	21°12	23°15	16°40	8°25	18°29	6°44	4°37	19°44	19°27	8°45	3°20	S 11
S 12	17 44 56	26°18'53	19°55	23°45	21° 4	23°58	16°38	8°29	18°27	6°42	4°38	19°45	19°24	8°52	3°25	S 12
M13	17 48 53	27°16'02	3♏43	25°56	20°54	24°40	16°35	8°32	18°25	6°41	4°39	19°45	19°20	8°58	3°29	M13
T 14	17 52 49	28°13'11	17°57	28° 6	20°41	25°23	16°33	8°36	18°23	6°39	4°41	19°46	19°17	9° 5	3°34	T 14
W15	17 56 46	29°10'19	2♐35	0♋16	20°26	26° 6	16°30	8°40	18°21	6°38	4°42	19°47	19°14	9°12	3°38	W15
T 16	18 0 42	0♋ 7'28	17°33	2°26	20° 9	26°48	16°27	8°44	18°18	6°36	4°43	19°R47	19°11	9°18	3°43	T 16
F 17	18 4 39	1° 4'36	2♑42	4°34	19°49	27°31	16°23	8°49	18°16	6°35	4°44	19°47	19° 8	9°25	3°47	F 17
S 18	18 8 36	2° 1'45	17°54	6°42	19°27	28°13	16°20	8°53	18°14	6°33	4°46	19°46	19° 5	9°32	3°52	S 18
S 19	18 12 32	2°58'54	2♒59	8°48	19° 3	28°56	16°16	8°57	18°12	6°32	4°47	19°45	19° 1	9°38	3°56	S 19
M20	18 16 29	3°56'02	17°49	10°53	18°37	29°38	16°13	9° 1	18° 9	6°31	4°48	19°43	18°58	9°45	4° 0	M20
T 21	18 20 25	4°53'12	2♓16	12°57	18° 9	0♉20	16° 9	9° 6	18° 7	6°29	4°49	19°41	18°55	9°52	4° 5	T 21
W22	18 24 22	5°50'22	16°19	14°59	17°39	1° 2	16° 5	9°10	18° 5	6°28	4°51	19°40	18°52	9°58	4° 9	W22
T 23	18 28 18	6°47'32	29°54	16°59	17° 8	1°44	16° 0	9°15	18° 2	6°26	4°52	19°39	18°49	10° 5	4°13	T 23
F 24	18 32 15	7°44'43	13♈ 4	18°58	16°35	2°26	15°56	9°20	18° 0	6°25	4°53	19°D39	18°45	10°12	4°18	F 24
S 25	18 36 11	8°41'54	25°51	20°55	16° 1	3° 7	15°51	9°25	17°58	6°24	4°54	19°40	18°42	10°18	4°22	S 25
S 26	18 40 8	9°39'07	8♉19	22°50	15°26	3°49	15°46	9°29	17°55	6°22	4°55	19°41	18°39	10°25	4°26	S 26
M27	18 44 5	10°36'19	20°32	24°43	14°50	4°31	15°41	9°34	17°53	6°21	4°57	19°43	18°36	10°31	4°30	M27
T 28	18 48 1	11°33'33	2♊34	26°34	14°13	5°12	15°36	9°39	17°51	6°20	4°58	19°44	18°33	10°38	4°34	T 28
W29	18 51 58	12°30'47	14°28	28°24	13°36	5°53	15°31	9°44	17°48	6°19	4°59	19°R45	18°30	10°45	4°39	W29
T 30	18 55 54	13♋28'02	26♊17	0♌11	12♋58	6♉35	15♒26	9♍49	17♑46	6♐18	5♊ 0	19♐45	18♐26	10♋51	4♊43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n47	22n36	1n19	19n30	0s58	23n12	1n13	4n58	1s29	16s40	0s52	10n37	2n 7	22s42	0s29	20s 2	1n34	11n29	9s48	23s 9	23s10	21n46	17n38	3s12
T 2	22 53	23 10	0 13	20 4	0 46	23 1	1 4	5 15	1 29	16 41	0 52	10 35	2 6	22 43	0 29	20 1	1 34	11 29	9 48	23 9	23 10	21 45	17 39	3 12
F 3	22 59	22 40	0s53	20 37	0 35	22 49	0 55	5 31	1 29	16 41	0 53	10 34	2 6	22 43	0 29	20 1	1 34	11 29	9 48	23 9	23 10	21 43	17 39	3 12
S 4	23 4	21 10	1 56	21 9	0 24	22 38	0 45	5 48	1 29	16 42	0 53	10 33	2 6	22 43	0 30	20 1	1 34	11 29	9 48	23 9	23 9	21 42	17 40	3 12
S 5	23 9	18 45	2 54	21 40	0 12	22 27	0 34	6 5	1 29	16 42	0 53	10 32	2 6	22 43	0 30	20 1	1 34	11 29	9 48	23 9	23 9	21 41	17 41	3 12
M 6	23 13	15 33	3 45	22 10	0 1	22 15	0 24	6 22	1 28	16 43	0 54	10 30	2 6	22 44	0 30	20 0	1 34	11 30	9 48	23 9	23 9	21 40	17 42	3 13
T 7	23 17	11 42	4 26	22 37	0n10	22 4	0 13	6 38	1 28	16 44	0 54	10 29	2 6	22 44	0 30	20 0	1 34	11 30	9 48	23 9	23 9	21 38	17 42	3 13
W 8	23 20	7 21	4 57	23 3	0 21	21 52	0 2	6 55	1 28	16 44	0 54	10 27	2 5	22 44	0 30	20 0	1 34	11 30	9 48	23 9	23 8	21 37	17 43	3 13
T 9	23 23	2 38	5 14	23 27	0 31	21 41	0s10	7 11	1 28	16 45	0 54	10 26	2 5	22 45	0 30	20 0	1 34	11 30	9 48	23 9	23 8	21 36	17 44	3 13
F 10	23 26	2s18	5 17	23 48	0 41	21 30	0 22	7 27	1 28	16 46	0 55	10 24	2 5	22 45	0 30	19 59	1 34	11 31	9 48	23 9	23 8	21 35	17 45	3 13
S 11	23 28	7 16	5 4	24 7	0 50	21 18	0 34	7 43	1 27	16 47	0 55	10 23	2 5	22 45	0 30	19 59	1 34	11 31	9 48	23 9	23 8	21 33	17 45	3 13
S 12	23 30	12 3	4 35	24 23	0 59	21 7	0 47	7 59	1 27	16 48	0 55	10 21	2 5	22 46	0 30	19 59	1 34	11 31	9 48	23 9	23 7	21 32	17 46	3 14
M13	23 31	16 24	3 49	24 36	1 7	20 56	1 0	8 15	1 27	16 49	0 55	10 20	2 5	22 46	0 30	19 59	1 34	11 31	9 48	23 9	23 7	21 31	17 47	3 14
T 14	23 32	19 56	2 48	24 47	1 15	20 44	1 13	8 31	1 27	16 50	0 56	10 18	2 5	22 46	0 30	19 59	1 34	11 31	9 48	23 9	23 7	21 30	17 47	3 14
W15	23 33	22 19	1 34	24 55	1 22	20 33	1 27	8 47	1 26	16 51	0 56	10 17	2 4	22 47	0 30	19 58	1 34	11 31	9 48	23 9	23 7	21 28	17 48	3 14
T 16	23 33	23 10	0 12	25 0	1 28	20 22	1 40	9 3	1 26	16 52	0 56	10 15	2 4	22 47	0 30	19 58	1 34	11 32	9 48	23 9	23 6	21 27	17 49	3 14
F 17	23 33	22 20	1n11	25 2	1 34	20 11	1 54	9 18	1 26	16 54	0 57	10 13	2 4	22 47	0 30	19 58	1 34	11 32	9 48	23 9	23 6	21 26	17 49	3 14
S 18	23 32	19 52	2 30	25 1	1 38	20 1	2 8	9 34	1 25	16 55	0 57	10 11	2 4	22 47	0 30	19 58	1 34	11 32	9 49	23 9	23 6	21 24	17 50	3 15
S 19	23 31	16 3	3 37	24 57	1 42	19 50	2 23	9 49	1 25	16 56	0 57	10 10	2 4	22 48	0 30	19 57	1 34	11 32	9 49	23 9	23 6	21 23	17 50	3 15
M20	23 29	11 18	4 29	24 51	1 46	19 40	2 37	10 4	1 25	16 58	0 57	10 8	2 4	22 48	0 30	19 57	1 34	11 32	9 49	23 9	23 5	21 22	17 51	3 15
T 21	23 27	6 1	5 2	24 43	1 48	19 29	2 51	10 19	1 24	16 59	0 58	10 6	2 4	22 48	0 30	19 57	1 34	11 32	9 49	23 9	23 5	21 20	17 52	3 15
W22	23 25	0 34	5 16	24 32	1 50	19 19	3 5	10 34	1 24	17 1	0 58	10 4	2 3	22 49	0 30	19 57	1 34	11 33	9 49	23 9	23 5	21 19	17 52	3 15
T 23	23 22	4n43	5 11	24 18	1 51	19 9	3 19	10 49	1 24	17 2	0 58	10 2	2 3	22 49	0 30	19 57	1 34	11 33	9 49	23 9	23 4	21 18	17 53	3 16
F 24	23 19	9 38	4 51	24 3	1 52	18 59	3 33	11 4	1 23	17 4	0 58	10 0	2 3	22 49	0 30	19 56	1 34	11 33	9 49	23 9	23 4	21 17	17 53	3 16
S 25	23 16	14 0	4 16	23 45	1 52	18 50	3 47	11 19	1 23	17 5	0 59	9 58	2 3	22 50	0 30	19 56	1 34	11 33	9 49	23 9	23 4	21 15	17 54	3 16
S 26	23 12	17 39	3 29	23 25	1 51	18 40	4 0	11 33	1 22	17 7	0 59	9 57	2 3	22 50	0 30	19 56	1 34	11 33	9 49	23 9	23 4	21 14	17 55	3 16
M27	23 7	20 27	2 34	23 4	1 49	18 31	4 13	11 48	1 22	17 9	0 59	9 55	2 3	22 50	0 30	19 56	1 34	11 33	9 49	23 9	23 3	21 13	17 55	3 17
T 28	23 3	22 18	1 33	22 41	1 47	18 22	4 26	12 2	1 22	17 10	0 59	9 53	2 3	22 51	0 30	19 56	1 33	11 33	9 49	23 9	23 3	21 11	17 56	3 17
W29	22 57	23 7	0 29	22 17	1 44	18 14	4 39	12 16	1 21	17 12	1 0	9 50	2 2	22 51	0 30	19 56	1 33	11 33	9 49	23 9	23 3	21 10	17 56	3 17
T 30	22n52	22n54	0s36	21n51	1n41	18n 6	4s50	12n30	1s21	17s14	1s 0	9n48	2n 2	22s51	0s30	19s55	1n33	11n34	9s49	23s 9	23s 3	21n 9	17n57	3s17

Julian Day Number = 2143072.5, Delta T = 15m04s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'53, Lahiri = 12°04'53 Julian Calendar 1 June 1155 == Greg. Calendar 8 June 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

JULY 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 59 51	14♋25'17	8♋ 4	1♌57	12°R21	7♉16	15°R20	9♍55	17°R43	6°R16	5♊ 1	19°R44	18♐23	10♋58	4♊47	F 1
S 2	19 3 47	15°22'33	19°52	3°41	11♋44	7°57	15♒14	10° 0	17♏41	6♐15	5° 2	19♐41	18°20	11° 5	4°51	S 2
S 3	19 7 44	16°19'49	1♌43	5°24	11° 8	8°38	15° 8	10° 5	17°39	6°14	5° 3	19°38	18°17	11°11	4°55	S 3
M 4	19 11 40	17°17'06	13°38	7° 4	10°32	9°19	15° 2	10°11	17°36	6°13	5° 4	19°33	18°14	11°18	4°59	M 4
T 5	19 15 37	18°14'24	25°41	8°43	9°57	9°59	14°56	10°16	17°34	6°12	5° 5	19°28	18°11	11°25	5° 2	T 5
W 6	19 19 34	19°11'42	7♍52	10°19	9°24	10°40	14°50	10°21	17°31	6°11	5° 7	19°24	18° 7	11°31	5° 6	W 6
T 7	19 23 30	20° 9'00	20°15	11°54	8°51	11°20	14°44	10°27	17°29	6°10	5° 8	19°20	18° 4	11°38	5°10	T 7
F 8	19 27 27	21° 6'19	2♎53	13°27	8°21	12° 1	14°37	10°33	17°27	6° 9	5° 9	19°17	18° 1	11°45	5°14	F 8
S 9	19 31 23	22° 3'38	15°48	14°59	7°52	12°41	14°31	10°38	17°24	6° 8	5°10	19°16	17°58	11°51	5°18	S 9
S 10	19 35 20	23° 0'58	29° 3	16°28	7°25	13°21	14°24	10°44	17°22	6° 7	5°11	19°D16	17°55	11°58	5°21	S 10
M11	19 39 16	23°58'19	12♏42	17°56	6°59	14° 1	14°17	10°50	17°19	6° 6	5°12	19°17	17°51	12° 5	5°25	M11
T 12	19 43 13	24°55'40	26°45	19°22	6°36	14°41	14°10	10°56	17°17	6° 5	5°13	19°18	17°48	12°11	5°29	T 12
W13	19 47 9	25°53'02	11♐11	20°45	6°15	15°21	14° 3	11° 2	17°15	6° 4	5°14	19°19	17°45	12°18	5°32	W13
T 14	19 51 6	26°50'24	25°59	22° 7	5°57	16° 1	13°56	11° 8	17°12	6° 3	5°14	19°R19	17°42	12°25	5°36	T 14
F 15	19 55 3	27°47'48	11♑ 3	23°27	5°41	16°40	13°49	11°14	17°10	6° 2	5°15	19°18	17°39	12°31	5°39	F 15
S 16	19 58 59	28°45'12	26°15	24°45	5°27	17°19	13°42	11°20	17° 8	6° 1	5°16	19°14	17°36	12°38	5°42	S 16
S 17	20 2 56	29°42'37	11♒24	26° 1	5°15	17°59	13°34	11°26	17° 5	6° 0	5°17	19° 9	17°32	12°45	5°46	S 17
M18	20 6 52	0♌40'03	26°22	27°15	5° 6	18°38	13°27	11°32	17° 3	6° 0	5°18	19° 3	17°29	12°51	5°49	M18
T 19	20 10 49	1°37'31	10♓59	28°26	4°59	19°17	13°19	11°38	17° 1	5°59	5°19	18°57	17°26	12°58	5°52	T 19
W20	20 14 45	2°34'59	25°10	29°35	4°55	19°56	13°12	11°45	16°58	5°58	5°20	18°52	17°23	13° 5	5°56	W20
T 21	20 18 42	3°32'29	8♈53	0♍42	4°D53	20°35	13° 4	11°51	16°56	5°57	5°21	18°47	17°20	13°11	5°59	T 21
F 22	20 22 38	4°30'00	22° 7	1°47	4°53	21°13	12°56	11°57	16°54	5°57	5°21	18°45	17°17	13°18	6° 2	F 22
S 23	20 26 35	5°27'33	4♉55	2°49	4°56	21°52	12°49	12° 4	16°52	5°56	5°22	18°D44	17°13	13°25	6° 5	S 23
S 24	20 30 32	6°25'08	17°21	3°48	5° 1	22°30	12°41	12°10	16°49	5°56	5°23	18°45	17°10	13°31	6° 8	S 24
M25	20 34 28	7°22'44	29°30	4°44	5° 8	23° 8	12°33	12°17	16°47	5°55	5°24	18°46	17° 7	13°38	6°11	M25
T 26	20 38 25	8°20'21	11♊27	5°38	5°17	23°46	12°25	12°23	16°45	5°54	5°24	18°47	17° 4	13°45	6°14	T 26
W27	20 42 21	9°18'00	23°17	6°28	5°29	24°24	12°18	12°30	16°43	5°54	5°25	18°R47	17° 1	13°51	6°17	W27
T 28	20 46 18	10°15'40	5♋ 4	7°15	5°42	25° 2	12°10	12°36	16°41	5°53	5°26	18°45	16°57	13°58	6°20	T 28
F 29	20 50 14	11°13'22	16°52	7°59	5°58	25°40	12° 2	12°43	16°39	5°53	5°26	18°42	16°54	14° 5	6°22	F 29
S 30	20 54 11	12°11'06	28°43	8°40	6°15	26°17	11°54	12°50	16°36	5°53	5°27	18°36	16°51	14°11	6°25	S 30
S 31	20 58 7	13♌ 8'51	10♌40	9♍16	6♋34	26♉54	11♒46	12♍57	16♏34	5♐52	5♊28	18♐28	16♐48	14♋18	6♊28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n46	21n39	1s39	21n24	1n37	17n58	5s 2	12n44	1s20	17s16	1s 0	9n46	2n 2	22s52	0s30	19s55	1n33	11n34	9s50	23s 9	23s 2	21n 7	17n57	3s17
S 2	22 39	19 28	2 38	20 55	1 33	17 51	5 12	12 58	1 20	17 18	1 0	9 44	2 2	22 52	0 30	19 55	1 33	11 34	9 50	23 9	23 2	21 6	17 58	3 18
S 3	22 33	16 27	3 30	20 26	1 28	17 43	5 22	13 12	1 19	17 20	1 0	9 42	2 2	22 52	0 30	19 55	1 33	11 34	9 50	23 8	23 2	21 4	17 58	3 18
M 4	22 26	12 45	4 14	19 56	1 23	17 37	5 32	13 25	1 19	17 22	1 1	9 40	2 2	22 53	0 30	19 55	1 33	11 34	9 50	23 8	23 1	21 3	17 59	3 18
T 5	22 18	8 31	4 46	19 24	1 17	17 31	5 41	13 38	1 18	17 24	1 1	9 38	2 2	22 53	0 30	19 55	1 33	11 34	9 50	23 8	23 1	21 2	17 59	3 18
W 6	22 10	3 55	5 7	18 53	1 11	17 25	5 49	13 52	1 18	17 26	1 1	9 36	2 2	22 53	0 30	19 54	1 33	11 34	9 50	23 7	23 1	21 0	17 59	3 19
T 7	22 2	0s55	5 13	18 20	1 5	17 20	5 56	14 5	1 17	17 28	1 1	9 33	2 2	22 54	0 30	19 54	1 33	11 34	9 50	23 7	23 1	20 59	18 0	3 19
F 8	21 53	5 48	5 4	17 47	0 58	17 15	6 3	14 18	1 17	17 30	1 2	9 31	2 1	22 54	0 30	19 54	1 33	11 34	9 50	23 7	23 0	20 58	18 0	3 19
S 9	21 44	10 33	4 40	17 13	0 50	17 11	6 9	14 30	1 16	17 32	1 2	9 29	2 1	22 54	0 30	19 54	1 33	11 34	9 50	23 7	23 0	20 56	18 1	3 19
S 10	21 34	14 56	4 1	16 39	0 43	17 7	6 14	14 43	1 16	17 34	1 2	9 27	2 1	22 55	0 30	19 54	1 33	11 34	9 50	23 7	23 0	20 55	18 1	3 20
M11	21 25	18 41	3 7	16 5	0 35	17 4	6 19	14 56	1 15	17 37	1 2	9 24	2 1	22 55	0 30	19 54	1 33	11 34	9 51	23 7	22 59	20 53	18 1	3 20
T 12	21 14	21 28	2 0	15 30	0 26	17 1	6 23	15 8	1 14	17 39	1 2	9 22	2 1	22 55	0 30	19 54	1 33	11 34	9 51	23 7	22 59	20 52	18 2	3 20
W13	21 4	22 57	0 44	14 55	0 18	16 59	6 26	15 20	1 14	17 41	1 3	9 20	2 1	22 56	0 30	19 54	1 33	11 34	9 51	23 7	22 59	20 51	18 2	3 20
T 14	20 53	22 53	0n36	14 20	0 9	16 57	6 28	15 32	1 13	17 43	1 3	9 17	2 1	22 56	0 30	19 53	1 33	11 34	9 51	23 7	22 59	20 49	18 2	3 21
F 15	20 42	21 10	1 56	13 45	0s 0	16 56	6 30	15 44	1 13	17 46	1 3	9 15	2 1	22 56	0 30	19 53	1 33	11 35	9 51	23 7	22 58	20 48	18 3	3 21
S 16	20 30	17 56	3 7	13 11	0 10	16 55	6 32	15 56	1 12	17 48	1 3	9 12	2 1	22 56	0 30	19 53	1 33	11 35	9 51	23 7	22 58	20 46	18 3	3 21
S 17	20 18	13 30	4 5	12 36	0 20	16 54	6 33	16 7	1 11	17 50	1 3	9 10	2 1	22 57	0 30	19 53	1 33	11 35	9 51	23 6	22 58	20 45	18 3	3 22
M18	20 6	8 18	4 46	12 1	0 30	16 54	6 33	16 19	1 11	17 53	1 4	9 7	2 1	22 57	0 30	19 53	1 33	11 35	9 51	23 6	22 57	20 43	18 4	3 22
T 19	19 53	2 45	5 7	11 27	0 40	16 55	6 33	16 30	1 10	17 55	1 4	9 5	2 0	22 57	0 30	19 53	1 33	11 35	9 52	23 5	22 57	20 42	18 4	3 22
W20	19 40	2n47	5 8	10 53	0 50	16 56	6 32	16 41	1 9	17 57	1 4	9 3	2 0	22 58	0 30	19 53	1 33	11 35	9 52	23 5	22 57	20 41	18 4	3 22
T 21	19 27	7 59	4 51	10 20	1 0	16 57	6 31	16 52	1 9	18 0	1 4	9 0	2 0	22 58	0 30	19 53	1 32	11 35	9 52	23 4	22 56	20 39	18 5	3 23
F 22	19 13	12 39	4 19	9 47	1 11	16 59	6 29	17 3	1 8	18 2	1 4	8 58	2 0	22 58	0 30	19 53	1 32	11 35	9 52	23 4	22 56	20 38	18 5	3 23
S 23	18 59	16 35	3 35	9 15	1 22	17 1	6 27	17 14	1 7	18 4	1 4	8 55	2 0	22 59	0 30	19 53	1 32	11 35	9 52	23 4	22 56	20 36	18 5	3 23
S 24	18 45	19 40	2 42	8 43	1 33	17 3	6 24	17 24	1 7	18 7	1 4	8 52	2 0	22 59	0 30	19 53	1 32	11 35	9 52	23 4	22 56	20 35	18 5	3 24
M25	18 31	21 48	1 42	8 13	1 44	17 6	6 22	17 35	1 6	18 9	1 5	8 50	2 0	22 59	0 30	19 53	1 32	11 35	9 52	23 4	22 55	20 33	18 5	3 24
T 26	18 16	22 55	0 40	7 43	1 55	17 8	6 19	17 45	1 5	18 11	1 5	8 47	2 0	22 59	0 30	19 53	1 32	11 35	9 53	23 4	22 55	20 32	18 6	3 24
W27	18 1	22 58	0s24	7 14	2 6	17 11	6 15	17 55	1 4	18 14	1 5	8 45	2 0	23 0	0 30	19 53	1 32	11 34	9 53	23 4	22 55	20 30	18 6	3 24
T 28	17 45	22 0	1 27	6 46	2 17	17 14	6 11	18 5	1 4	18 16	1 5	8 42	2 0	23 0	0 30	19 53	1 32	11 34	9 53	23 4	22 54	20 29	18 6	3 25
F 29	17 29	20 5	2 25	6 20	2 28	17 18	6 7	18 15	1 3	18 18	1 5	8 39	2 0	23 0	0 30	19 53	1 32	11 34	9 53	23 4	22 54	20 28	18 6	3 25
S 30	17 13	17 17	3 18	5 54	2 39	17 21	6 3	18 24	1 2	18 21	1 5	8 37	2 0	23 0	0 30	19 53	1 32	11 34	9 53	23 3	22 54	20 26	18 6	3 25
S 31	16n57	13n46	4s 2	5n31	2s50	17n25	5s59	18n34	1s 1	18s23	1s 5	8n34	2n 0	23s 1	0s30	19s53	1n32	11n34	9s53	23s 3	22s53	20n25	18n 6	3s26

Julian Day Number = 2143102.5, Delta T = 15m04s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°57'57, Lahiri = 12°04'58 Julian Calendar 1 July 1155 == Greg. Calendar 8 July 1155

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1155
geocentric

AUGUST 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 2 4	14♌ 6'37	22♌45	9♍48	6♋55	27♉32	11°R38	13♍ 3	16°R32	5°R52	5♊28	18°R18	16♐45	14♋25	6♊30	M 1
T 2	21 6 1	15° 4'24	4♍58	10°16	7°18	28° 9	11♒30	13°10	16♑30	5♐51	5°29	18♐ 7	16°42	14°31	6°33	T 2
W 3	21 9 57	16° 2'13	17°22	10°40	7°43	28°45	11°23	13°17	16°28	5°51	5°30	17°57	16°38	14°38	6°35	W 3
T 4	21 13 54	17° 0'03	29°56	10°59	8° 9	29°22	11°15	13°24	16°26	5°51	5°30	17°48	16°35	14°45	6°38	T 4
F 5	21 17 50	17°57'55	12♎42	11°13	8°37	29°59	11° 7	13°31	16°24	5°51	5°31	17°41	16°32	14°51	6°40	F 5
S 6	21 21 47	18°55'48	25°42	11°21	9° 6	0♊35	10°59	13°38	16°22	5°50	5°31	17°36	16°29	14°58	6°42	S 6
S 7	21 25 43	19°53'42	8♏58	11°R24	9°37	1°11	10°52	13°45	16°21	5°50	5°32	17°34	16°26	15° 5	6°45	S 7
M 8	21 29 40	20°51'38	22°31	11°21	10° 9	1°47	10°44	13°52	16°19	5°50	5°32	17°D33	16°23	15°11	6°47	M 8
T 9	21 33 36	21°49'35	6♐23	11°13	10°42	2°23	10°36	13°59	16°17	5°50	5°33	17°33	16°19	15°18	6°49	T 9
W10	21 37 33	22°47'33	20°35	10°58	11°17	2°58	10°29	14° 6	16°15	5°50	5°33	17°R34	16°16	15°25	6°51	W10
T 11	21 41 30	23°45'33	5♑ 6	10°38	11°53	3°34	10°21	14°13	16°13	5°50	5°33	17°33	16°13	15°31	6°53	T 11
F 12	21 45 26	24°43'34	19°52	10°11	12°30	4° 9	10°14	14°20	16°12	5°D50	5°34	17°29	16°10	15°38	6°55	F 12
S 13	21 49 23	25°41'36	4♒48	9°38	13° 9	4°44	10° 7	14°27	16°10	5°50	5°34	17°23	16° 7	15°45	6°57	S 13
S 14	21 53 19	26°39'40	19°47	8°59	13°49	5°19	9°59	14°35	16° 8	5°50	5°35	17°15	16° 3	15°51	6°58	S 14
M15	21 57 16	27°37'46	4♓38	8°15	14°29	5°53	9°52	14°42	16° 7	5°50	5°35	17° 5	16° 0	15°58	7° 0	M15
T 16	22 1 12	28°35'53	19°13	7°27	15°11	6°28	9°45	14°49	16° 5	5°50	5°35	16°54	15°57	16° 5	7° 2	T 16
W17	22 5 9	29°34'02	3♈25	6°34	15°54	7° 2	9°38	14°56	16° 4	5°50	5°36	16°44	15°54	16°11	7° 3	W17
T 18	22 9 5	0♍32'14	17°11	5°37	16°38	7°36	9°31	15° 3	16° 2	5°51	5°36	16°36	15°51	16°18	7° 5	T 18
F 19	22 13 2	1°30'27	0♉28	4°39	17°22	8°10	9°25	15°11	16° 1	5°51	5°36	16°30	15°48	16°24	7° 6	F 19
S 20	22 16 59	2°28'42	13°19	3°39	18° 8	8°43	9°18	15°18	15°59	5°51	5°36	16°27	15°44	16°31	7° 8	S 20
S 21	22 20 55	3°27'00	25°47	2°40	18°55	9°17	9°11	15°25	15°58	5°51	5°36	16°25	15°41	16°38	7° 9	S 21
M22	22 24 52	4°25'19	7♊57	1°42	19°42	9°50	9° 5	15°33	15°57	5°52	5°37	16°D25	15°38	16°44	7°10	M22
T 23	22 28 48	5°23'41	19°54	0°47	20°30	10°23	8°59	15°40	15°55	5°52	5°37	16°R25	15°35	16°51	7°11	T 23
W24	22 32 45	6°22'05	1♋44	29♌56	21°19	10°56	8°52	15°47	15°54	5°52	5°37	16°24	15°32	16°58	7°12	W24
T 25	22 36 41	7°20'31	13°31	29°11	22° 9	11°28	8°46	15°55	15°53	5°53	5°37	16°22	15°28	17° 4	7°13	T 25
F 26	22 40 38	8°18'59	25°21	28°33	23° 0	12° 0	8°41	16° 2	15°52	5°53	5°37	16°16	15°25	17°11	7°14	F 26
S 27	22 44 34	9°17'29	7♌17	28° 2	23°51	12°32	8°35	16° 9	15°50	5°54	5°37	16° 8	15°22	17°18	7°15	S 27
S 28	22 48 31	10°16'02	19°22	27°40	24°43	13° 4	8°29	16°17	15°49	5°54	5°37	15°58	15°19	17°24	7°16	S 28
M29	22 52 28	11°14'36	1♍39	27°26	25°36	13°36	8°24	16°24	15°48	5°55	5°37	15°45	15°16	17°31	7°17	M29
T 30	22 56 24	12°13'12	14° 7	27°D22	26°29	14° 7	8°18	16°32	15°47	5°55	5°R37	15°31	15°13	17°38	7°18	T 30
W31	23 0 21	13♍11'50	26♍47	27♌28	27♋23	14♊38	8♒13	16♍39	15♑46	5♐56	5♊37	15♐18	15♐ 9	17♋44	7♊18	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n40	9n39	4s35	5n 9	3s 0	17n28	5s54	18n43	1s 1	18s25	1s 5	8n32	2n 0	23s 1	0s30	19s53	1n32	11n34	9s53	23s 2	22s53	20n23	18n 7	3s26
T 2	16 23	5 8	4 57	4 49	3 11	17 32	5 49	18 52	1 0	18 28	1 6	8 29	2 0	23 1	0 30	19 52	1 32	11 34	9 54	23 1	22 53	20 22	18 7	3 26
W 3	16 6	0 21	5 5	4 30	3 21	17 36	5 44	19 1	0 59	18 30	1 6	8 26	1 59	23 1	0 30	19 53	1 32	11 34	9 54	23 0	22 52	20 20	18 7	3 27
T 4	15 49	4s31	4 58	4 14	3 31	17 39	5 39	19 10	0 58	18 32	1 6	8 23	1 59	23 2	0 30	19 53	1 32	11 34	9 54	22 59	22 52	20 19	18 7	3 27
F 5	15 31	9 17	4 36	4 0	3 40	17 43	5 34	19 18	0 57	18 34	1 6	8 21	1 59	23 2	0 30	19 53	1 32	11 34	9 54	22 58	22 52	20 17	18 7	3 27
S 6	15 13	13 42	4 0	3 49	3 49	17 47	5 28	19 27	0 56	18 37	1 6	8 18	1 59	23 2	0 30	19 53	1 32	11 34	9 54	22 58	22 51	20 16	18 7	3 28
S 7	14 55	17 34	3 11	3 40	3 57	17 50	5 23	19 35	0 55	18 39	1 6	8 15	1 59	23 2	0 30	19 53	1 32	11 34	9 54	22 58	22 51	20 14	18 7	3 28
M 8	14 36	20 34	2 9	3 34	4 4	17 54	5 17	19 43	0 55	18 41	1 6	8 12	1 59	23 3	0 30	19 53	1 31	11 34	9 55	22 58	22 51	20 13	18 7	3 28
T 9	14 18	22 27	0 59	3 31	4 11	17 57	5 11	19 51	0 54	18 43	1 6	8 10	1 59	23 3	0 30	19 53	1 31	11 34	9 55	22 58	22 51	20 11	18 7	3 29
W10	13 59	22 57	0n16	3 32	4 17	18 0	5 5	19 59	0 53	18 45	1 6	8 7	1 59	23 3	0 30	19 53	1 31	11 34	9 55	22 58	22 50	20 10	18 7	3 29
T 11	13 40	21 55	1 32	3 35	4 21	18 3	4 59	20 7	0 52	18 47	1 6	8 4	1 59	23 3	0 30	19 53	1 31	11 34	9 55	22 58	22 50	20 8	18 7	3 29
F 12	13 20	19 23	2 43	3 42	4 24	18 6	4 53	20 14	0 51	18 49	1 6	8 1	1 59	23 3	0 30	19 53	1 31	11 33	9 55	22 57	22 50	20 7	18 7	3 30
S 13	13 1	15 32	3 43	3 53	4 26	18 8	4 47	20 22	0 50	18 51	1 6	7 59	1 59	23 4	0 30	19 53	1 31	11 33	9 55	22 57	22 49	20 5	18 7	3 30
S 14	12 41	10 42	4 29	4 7	4 27	18 11	4 40	20 29	0 49	18 53	1 6	7 56	1 59	23 4	0 30	19 53	1 31	11 33	9 56	22 56	22 49	20 3	18 7	3 30
M15	12 21	5 16	4 55	4 25	4 25	18 13	4 34	20 36	0 48	18 55	1 6	7 53	1 59	23 4	0 30	19 53	1 31	11 33	9 56	22 55	22 49	20 2	18 7	3 31
T 16	12 1	0n21	5 2	4 46	4 22	18 15	4 28	20 43	0 47	18 57	1 7	7 50	1 59	23 4	0 30	19 53	1 31	11 33	9 56	22 54	22 48	20 0	18 7	3 31
W17	11 41	5 48	4 50	5 10	4 17	18 16	4 21	20 50	0 46	18 59	1 7	7 47	1 59	23 4	0 30	19 53	1 31	11 33	9 56	22 53	22 48	19 59	18 7	3 31
T 18	11 20	10 47	4 21	5 37	4 10	18 18	4 15	20 56	0 45	19 1	1 7	7 45	1 59	23 4	0 30	19 53	1 31	11 33	9 56	22 52	22 48	19 57	18 7	3 32
F 19	10 59	15 6	3 38	6 7	4 1	18 18	4 8	21 3	0 44	19 3	1 7	7 42	1 59	23 5	0 30	19 53	1 31	11 33	9 57	22 52	22 47	19 56	18 7	3 32
S 20	10 38	18 33	2 46	6 39	3 50	18 19	4 2	21 9	0 43	19 5	1 7	7 39	1 59	23 5	0 30	19 53	1 31	11 32	9 57	22 51	22 47	19 54	18 6	3 32
S 21	10 17	21 2	1 47	7 12	3 37	18 19	3 55	21 15	0 42	19 7	1 7	7 36	1 59	23 5	0 30	19 54	1 31	11 32	9 57	22 51	22 47	19 53	18 6	3 33
M22	9 56	22 28	0 45	7 46	3 23	18 19	3 49	21 21	0 41	19 8	1 7	7 33	1 59	23 5	0 30	19 54	1 31	11 32	9 57	22 51	22 46	19 51	18 6	3 33
T 23	9 35	22 51	0s18	8 20	3 7	18 19	3 42	21 27	0 39	19 10	1 7	7 30	1 59	23 5	0 30	19 54	1 31	11 32	9 57	22 51	22 46	19 49	18 6	3 33
W24	9 13	22 12	1 20	8 54	2 49	18 18	3 36	21 33	0 38	19 12	1 7	7 27	1 59	23 5	0 30	19 54	1 31	11 32	9 57	22 51	22 45	19 48	18 6	3 34
T 25	8 51	20 34	2 18	9 27	2 31	18 16	3 29	21 39	0 37	19 13	1 7	7 25	1 59	23 5	0 30	19 54	1 30	11 32	9 58	22 51	22 45	19 46	18 6	3 34
F 26	8 29	18 2	3 11	9 58	2 12	18 15	3 23	21 44	0 36	19 15	1 7	7 22	1 59	23 6	0 30	19 54	1 30	11 32	9 58	22 50	22 45	19 45	18 5	3 35
S 27	8 7	14 45	3 55	10 27	1 53	18 13	3 16	21 50	0 35	19 16	1 7	7 19	1 59	23 6	0 30	19 54	1 30	11 31	9 58	22 49	22 44	19 43	18 5	3 35
S 28	7 45	10 49	4 29	10 53	1 33	18 10	3 10	21 55	0 34	19 18	1 7	7 16	1 59	23 6	0 30	19 54	1 30	11 31	9 58	22 48	22 44	19 42	18 5	3 35
M29	7 23	6 24	4 51	11 16	1 14	18 7	3 3	22 0	0 33	19 19	1 7	7 13	1 59	23 6	0 30	19 55	1 30	11 31	9 58	22 47	22 44	19 40	18 5	3 36
T 30	7 0	1 40	5 0	11 35	0 54	18 4	2 57	22 5	0 31	19 20	1 7	7 10	1 59	23 6	0 30	19 55	1 30	11 31	9 58	22 45	22 43	19 38	18 5	3 36
W31	6n38	3s13	4s54	11n51	0s36	18n 0	2s50	22n10	0s30	19s22	1s 6	7n 7	1n59	23s 6	0s30	19s55	1n30	11n31	9s59	22s44	22s43	19n37	18n 4	3s36

Julian Day Number = 2143133.5, Delta T = 15m04s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'01, Lahiri = 12°05'02 Julian Calendar 1 Aug. 1155 == Greg. Calendar 8 Aug. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

SEPTEMBER 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 17	14♍10'30	9♎40	27♌43	28♋17	15♊ 9	8°R 8	16♍46	15°R45	5♐57	5°R37	15°R 6	15♐ 6	17♋51	7♊19	T 1
F 2	23 8 14	15° 9'12	22°44	28° 8	29°12	15°39	8♒ 3	16°54	15♑45	5°57	5♊37	14♐56	15° 3	17°58	7°19	F 2
S 3	23 12 10	16° 7'56	5♏58	28°41	0♌ 8	16° 9	7°59	17° 1	15°44	5°58	5°37	14°49	15° 0	18° 4	7°20	S 3
S 4	23 16 7	17° 6'42	19°24	29°24	1° 4	16°39	7°54	17° 9	15°43	5°59	5°37	14°46	14°57	18°11	7°20	S 4
M 5	23 20 3	18° 5'30	3♐ 2	0♍15	2° 1	17° 9	7°50	17°16	15°42	5°59	5°37	14°44	14°54	18°18	7°20	M 5
T 6	23 24 0	19° 4'19	16°51	1°14	2°58	17°38	7°46	17°24	15°42	6° 0	5°37	14°44	14°50	18°24	7°20	T 6
W 7	23 27 56	20° 3'10	0♑54	2°20	3°56	18° 7	7°42	17°31	15°41	6° 1	5°37	14°44	14°47	18°31	7°20	W 7
T 8	23 31 53	21° 2'03	15° 8	3°33	4°54	18°35	7°38	17°38	15°40	6° 2	5°36	14°42	14°44	18°38	7°R20	T 8
F 9	23 35 50	22° 0'57	29°34	4°51	5°52	19° 4	7°34	17°46	15°40	6° 3	5°36	14°38	14°41	18°45	7°20	F 9
S 10	23 39 46	22°59'53	14♒ 6	6°14	6°51	19°32	7°31	17°53	15°39	6° 4	5°36	14°32	14°38	18°51	7°20	S 10
S 11	23 43 43	23°58'51	28°41	7°42	7°51	20° 0	7°28	18° 1	15°39	6° 5	5°36	14°23	14°34	18°58	7°20	S 11
M12	23 47 39	24°57'51	13♓12	9°14	8°51	20°27	7°25	18° 8	15°39	6° 6	5°36	14°12	14°31	19° 5	7°20	M12
T 13	23 51 36	25°56'53	27°30	10°49	9°51	20°54	7°22	18°15	15°38	6° 7	5°35	14° 0	14°28	19°11	7°20	T 13
W14	23 55 32	26°55'57	11♈32	12°27	10°52	21°21	7°19	18°23	15°38	6° 8	5°35	13°49	14°25	19°18	7°19	W14
T 15	23 59 29	27°55'03	25°10	14° 6	11°53	21°47	7°17	18°30	15°38	6° 9	5°35	13°39	14°22	19°25	7°19	T 15
F 16	0 3 25	28°54'12	8♉25	15°48	12°54	22°13	7°14	18°37	15°38	6°10	5°34	13°32	14°19	19°31	7°18	F 16
S 17	0 7 22	29°53'22	21°16	17°31	13°56	22°39	7°12	18°45	15°37	6°11	5°34	13°28	14°15	19°38	7°18	S 17
S 18	0 11 19	0♎52'36	3♊45	19°15	14°59	23° 4	7°10	18°52	15°37	6°12	5°33	13°26	14°12	19°45	7°17	S 18
M19	0 15 15	1°51'51	15°56	21° 0	16° 1	23°29	7° 9	18°59	15°D37	6°13	5°33	13°D26	14° 9	19°51	7°16	M19
T 20	0 19 12	2°51'09	27°55	22°45	17° 4	23°53	7° 7	19° 7	15°37	6°15	5°33	13°R26	14° 6	19°58	7°15	T 20
W21	0 23 8	3°50'29	9♋46	24°31	18° 7	24°18	7° 6	19°14	15°37	6°16	5°32	13°26	14° 3	20° 5	7°14	W21
T 22	0 27 5	4°49'51	21°34	26°17	19°11	24°41	7° 5	19°21	15°38	6°17	5°32	13°24	14° 0	20°11	7°13	T 22
F 23	0 31 1	5°49'16	3♌27	28° 2	20°15	25° 5	7° 4	19°28	15°38	6°19	5°31	13°21	13°56	20°18	7°12	F 23
S 24	0 34 58	6°48'43	15°27	29°48	21°19	25°27	7° 3	19°36	15°38	6°20	5°31	13°15	13°53	20°25	7°11	S 24
S 25	0 38 54	7°48'13	27°38	1♎33	22°24	25°50	7° 3	19°43	15°38	6°21	5°30	13° 6	13°50	20°31	7°10	S 25
M26	0 42 51	8°47'44	10♍ 4	3°17	23°28	26°12	7° 2	19°50	15°39	6°23	5°30	12°56	13°47	20°38	7° 9	M26
T 27	0 46 48	9°47'18	22°46	5° 2	24°34	26°33	7°D 2	19°57	15°39	6°24	5°29	12°44	13°44	20°45	7° 8	T 27
W28	0 50 44	10°46'54	5♎45	6°45	25°39	26°54	7° 2	20° 4	15°39	6°25	5°28	12°33	13°40	20°51	7° 6	W28
T 29	0 54 41	11°46'32	18°58	8°29	26°45	27°15	7° 3	20°11	15°40	6°27	5°28	12°23	13°37	20°58	7° 5	T 29
F 30	0 58 37	12♎46'12	2♏25	10♎11	27♌50	27♊35	7♒ 3	20♍18	15♑40	6♐28	5♊27	12♐15	13♐34	21♋ 5	7♊ 3	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n15	8s 2	4s33	12n 2	0s18	17n56	2s44	22n14	0s29	19s23	1s 6	7n 5	1n59	23s 6	0s30	19s55	1n30	11n31	9s59	22s43	22s43	19n35	18n 4	3s37
F 2	5 53	12 33	3 58	12 10	0 1	17 51	2 37	22 19	0 28	19 24	1 6	7 2	1 59	23 6	0 30	19 55	1 30	11 30	9 59	22 42	22 42	19 34	18 4	3 37
S 3	5 30	16 33	3 9	12 13	0n15	17 46	2 31	22 23	0 26	19 25	1 6	6 59	1 59	23 6	0 30	19 55	1 30	11 30	9 59	22 41	22 42	19 32	18 3	3 37
S 4	5 7	19 44	2 10	12 12	0 30	17 40	2 24	22 28	0 25	19 27	1 6	6 56	1 59	23 6	0 30	19 56	1 30	11 30	9 59	22 40	22 42	19 30	18 3	3 38
M 5	4 44	21 52	1 1	12 7	0 43	17 34	2 18	22 32	0 24	19 28	1 6	6 53	2 0	23 7	0 30	19 56	1 30	11 30	9 59	22 40	22 41	19 29	18 3	3 38
T 6	4 21	22 43	0n11	11 57	0 56	17 27	2 12	22 36	0 22	19 29	1 6	6 50	2 0	23 7	0 30	19 56	1 30	11 30	10 0	22 40	22 41	19 27	18 2	3 39
W 7	3 57	22 8	1 24	11 44	1 7	17 20	2 5	22 40	0 21	19 30	1 6	6 47	2 0	23 7	0 30	19 56	1 30	11 29	10 0	22 40	22 41	19 26	18 2	3 39
T 8	3 34	20 9	2 33	11 27	1 17	17 12	1 59	22 44	0 20	19 31	1 6	6 44	2 0	23 7	0 30	19 56	1 30	11 29	10 0	22 40	22 40	19 24	18 2	3 39
F 9	3 11	16 51	3 33	11 6	1 25	17 4	1 53	22 48	0 18	19 31	1 6	6 42	2 0	23 7	0 29	19 57	1 30	11 29	10 0	22 40	22 40	19 22	18 1	3 40
S 10	2 48	12 31	4 20	10 42	1 33	16 55	1 47	22 51	0 17	19 32	1 6	6 39	2 0	23 7	0 29	19 57	1 30	11 29	10 0	22 39	22 39	19 21	18 1	3 40
S 11	2 24	7 27	4 50	10 15	1 39	16 46	1 41	22 55	0 15	19 33	1 6	6 36	2 0	23 7	0 29	19 57	1 30	11 29	10 1	22 38	22 39	19 19	18 1	3 40
M12	2 1	2 0	5 1	9 45	1 44	16 36	1 35	22 58	0 14	19 34	1 6	6 33	2 0	23 7	0 29	19 57	1 29	11 28	10 1	22 36	22 39	19 17	18 0	3 41
T 13	1 37	3n29	4 53	9 13	1 48	16 26	1 29	23 2	0 12	19 34	1 6	6 30	2 0	23 7	0 29	19 57	1 29	11 28	10 1	22 35	22 38	19 16	18 0	3 41
W14	1 14	8 40	4 27	8 38	1 51	16 16	1 23	23 5	0 11	19 35	1 6	6 27	2 0	23 7	0 29	19 58	1 29	11 28	10 1	22 34	22 38	19 14	17 59	3 41
T 15	0 50	13 17	3 46	8 1	1 53	16 5	1 17	23 8	0 9	19 36	1 6	6 24	2 0	23 7	0 29	19 58	1 29	11 28	10 1	22 33	22 38	19 12	17 59	3 42
F 16	0 26	17 7	2 54	7 23	1 55	15 53	1 11	23 11	0 8	19 36	1 6	6 22	2 0	23 7	0 29	19 58	1 29	11 28	10 1	22 32	22 37	19 11	17 59	3 42
S 17	0 3	20 0	1 55	6 43	1 55	15 41	1 5	23 14	0 6	19 37	1 5	6 19	2 0	23 7	0 29	19 58	1 29	11 27	10 1	22 31	22 37	19 9	17 58	3 42
S 18	0s21	21 50	0 51	6 2	1 55	15 28	0 59	23 17	0 5	19 37	1 5	6 16	2 0	23 7	0 29	19 59	1 29	11 27	10 2	22 31	22 37	19 7	17 58	3 43
M19	0 45	22 35	0s13	5 19	1 53	15 15	0 54	23 20	0 3	19 37	1 5	6 13	2 0	23 7	0 29	19 59	1 29	11 27	10 2	22 31	22 36	19 6	17 57	3 43
T 20	1 8	22 16	1 16	4 36	1 52	15 1	0 48	23 23	0 2	19 38	1 5	6 10	2 0	23 7	0 29	19 59	1 29	11 27	10 2	22 31	22 36	19 4	17 57	3 44
W21	1 32	20 56	2 15	3 52	1 49	14 47	0 43	23 25	0 0	19 38	1 5	6 8	2 1	23 7	0 29	19 59	1 29	11 26	10 2	22 31	22 35	19 2	17 56	3 44
T 22	1 56	18 43	3 8	3 7	1 47	14 33	0 37	23 28	0n 2	19 38	1 5	6 5	2 1	23 7	0 29	20 0	1 29	11 26	10 2	22 31	22 35	19 1	17 56	3 44
F 23	2 19	15 41	3 53	2 22	1 43	14 18	0 32	23 31	0 3	19 38	1 5	6 2	2 1	23 7	0 29	20 0	1 29	11 26	10 2	22 30	22 35	18 59	17 55	3 45
S 24	2 43	12 0	4 29	1 36	1 39	14 2	0 27	23 33	0 5	19 38	1 5	5 59	2 1	23 7	0 29	20 0	1 29	11 26	10 3	22 30	22 34	18 57	17 55	3 45
S 25	3 7	7 46	4 52	0 50	1 35	13 46	0 21	23 36	0 7	19 38	1 5	5 57	2 1	23 7	0 29	20 1	1 29	11 26	10 3	22 28	22 34	18 56	17 54	3 45
M26	3 30	3 9	5 3	0 4	1 31	13 30	0 16	23 38	0 9	19 38	1 5	5 54	2 1	23 7	0 29	20 1	1 29	11 25	10 3	22 27	22 33	18 54	17 54	3 46
T 27	3 54	1s41	4 59	0s42	1 26	13 13	0 11	23 40	0 10	19 38	1 4	5 51	2 1	23 7	0 29	20 1	1 29	11 25	10 3	22 26	22 33	18 52	17 53	3 46
W28	4 17	6 33	4 39	1 28	1 21	12 56	0 6	23 43	0 12	19 38	1 4	5 48	2 1	23 6	0 29	20 1	1 29	11 25	10 3	22 24	22 33	18 51	17 52	3 46
T 29	4 41	11 13	4 4	2 13	1 15	12 38	0 1	23 45	0 14	19 38	1 4	5 46	2 1	23 6	0 29	20 2	1 29	11 25	10 3	22 23	22 32	18 49	17 52	3 47
F 30	5s 4	15s25	3s15	2s59	1n10	12n20	0n 3	23n47	0n16	19s38	1s 4	5n43	2n 1	23s 6	0s29	20s 2	1n29	11n24	10s 3	22s22	22s32	18n47	17n51	3s47

Julian Day Number = 2143164.5, Delta T = 15m04s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'06, Lahiri = 12°05'06 Julian Calendar 1 Sept. 1155 == Greg. Calendar 8 Sept. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

OCTOBER 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 2 34	13♎45'54	16♏ 3	11♎53	28♌57	27♊55	7♒ 4	20♍25	15♉41	6♐30	5°R27	12°R 9	13♐31	21♋11	7°R 2	S 1
S 2	1 6 30	14°45'37	29°51	13°35	0♍ 3	28°14	7° 5	20°32	15°42	6°32	5♊26	12♐ 6	13°28	21°18	7♊ 0	S 2
M 3	1 10 27	15°45'23	13♐45	15°16	1°10	28°32	7° 6	20°39	15°42	6°33	5°25	12°D 6	13°25	21°25	6°58	M 3
T 4	1 14 23	16°45'11	27°44	16°56	2°16	28°50	7° 7	20°46	15°43	6°35	5°25	12° 6	13°21	21°31	6°56	T 4
W 5	1 18 20	17°45'00	11♑49	18°36	3°23	29° 8	7° 9	20°53	15°44	6°36	5°24	12°R 7	13°18	21°38	6°55	W 5
T 6	1 22 16	18°44'51	25°57	20°15	4°31	29°25	7°10	21° 0	15°45	6°38	5°23	12° 7	13°15	21°45	6°53	T 6
F 7	1 26 13	19°44'44	10♒ 7	21°54	5°38	29°41	7°12	21° 7	15°46	6°40	5°22	12° 5	13°12	21°51	6°51	F 7
S 8	1 30 10	20°44'38	24°18	23°32	6°46	29°57	7°14	21°14	15°47	6°41	5°22	12° 1	13° 9	21°58	6°49	S 8
S 9	1 34 6	21°44'34	8♓26	25° 9	7°54	0♋13	7°17	21°21	15°48	6°43	5°21	11°55	13° 5	22° 5	6°47	S 9
M10	1 38 3	22°44'31	22°28	26°46	9° 2	0°27	7°19	21°27	15°49	6°45	5°20	11°47	13° 2	22°11	6°44	M10
T 11	1 41 59	23°44'30	6♈21	28°23	10°10	0°41	7°22	21°34	15°50	6°47	5°19	11°39	12°59	22°18	6°42	T 11
W12	1 45 56	24°44'32	19°59	29°59	11°19	0°55	7°25	21°41	15°51	6°48	5°18	11°31	12°56	22°25	6°40	W12
T 13	1 49 52	25°44'35	3♉21	1♏34	12°27	1° 8	7°28	21°47	15°52	6°50	5°18	11°24	12°53	22°31	6°38	T 13
F 14	1 53 49	26°44'40	16°23	3° 9	13°36	1°20	7°31	21°54	15°53	6°52	5°17	11°19	12°50	22°38	6°35	F 14
S 15	1 57 45	27°44'47	29° 7	4°44	14°45	1°32	7°34	22° 0	15°55	6°54	5°16	11°16	12°46	22°45	6°33	S 15
S 16	2 1 42	28°44'56	11♊33	6°18	15°55	1°43	7°38	22° 7	15°56	6°56	5°15	11°D16	12°43	22°51	6°30	S 16
M17	2 5 39	29°45'07	23°43	7°52	17° 4	1°53	7°42	22°13	15°57	6°58	5°14	11°16	12°40	22°58	6°28	M17
T 18	2 9 35	0♏45'20	5♋42	9°26	18°13	2° 2	7°46	22°20	15°59	6°59	5°13	11°18	12°37	23° 5	6°25	T 18
W19	2 13 32	1°45'36	17°34	10°59	19°23	2°11	7°50	22°26	16° 0	7° 1	5°12	11°19	12°34	23°11	6°22	W19
T 20	2 17 28	2°45'53	29°24	12°31	20°33	2°19	7°55	22°32	16° 2	7° 3	5°11	11°R20	12°31	23°18	6°20	T 20
F 21	2 21 25	3°46'12	11♌16	14° 4	21°43	2°27	7°59	22°38	16° 3	7° 5	5°10	11°20	12°27	23°25	6°17	F 21
S 22	2 25 21	4°46'34	23°17	15°35	22°53	2°34	8° 4	22°44	16° 5	7° 7	5° 9	11°18	12°24	23°31	6°14	S 22
S 23	2 29 18	5°46'57	5♍30	17° 7	24° 4	2°40	8° 9	22°51	16° 7	7° 9	5° 8	11°15	12°21	23°38	6°11	S 23
M24	2 33 14	6°47'22	18° 0	18°38	25°14	2°45	8°14	22°57	16° 8	7°11	5° 7	11°10	12°18	23°45	6° 8	M24
T 25	2 37 11	7°47'49	0♎50	20° 9	26°25	2°49	8°19	23° 3	16°10	7°13	5° 6	11° 5	12°15	23°52	6° 5	T 25
W26	2 41 8	8°48'18	14° 0	21°40	27°36	2°53	8°25	23° 9	16°12	7°15	5° 5	10°59	12°11	23°58	6° 2	W26
T 27	2 45 4	9°48'49	27°30	23°10	28°47	2°56	8°30	23°14	16°14	7°17	5° 4	10°54	12° 8	24° 5	5°59	T 27
F 28	2 49 1	10°49'21	11♏19	24°40	29°58	2°57	8°36	23°20	16°16	7°19	5° 3	10°50	12° 5	24°12	5°56	F 28
S 29	2 52 57	11°49'55	25°23	26°10	1♎ 9	2°59	8°42	23°26	16°18	7°21	5° 2	10°47	12° 2	24°18	5°53	S 29
S 30	2 56 54	12°50'31	9♐38	27°39	2°20	2°R59	8°48	23°32	16°20	7°24	5° 1	10°D47	11°59	24°25	5°50	S 30
M31	3 0 50	13♏51'08	23♐59	29♏ 8	3♎31	2♋59	8♒55	23♍37	16♑22	7♐26	5♊ 0	10♐47	11♐56	24♋32	5♊47	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s27	18s52	2s15	3s44	1n 4	12n 1	0n 8	23n50	0n18	19s37	1s 4	5n40	2n 2	23s 6	0s29	20s 2	1n29	11n24	10s 4	22s21	22s32	18n46	17n51	3s47
S 2	5 51	21 16	1 5	4 30	0 58	11 42	0 13	23 52	0 20	19 37	1 4	5 38	2 2	23 6	0 29	20 3	1 29	11 24	10 4	22 21	22 31	18 44	17 50	3 48
M 3	6 14	22 24	0n 9	5 14	0 52	11 23	0 17	23 54	0 22	19 37	1 4	5 35	2 2	23 6	0 29	20 3	1 28	11 24	10 4	22 21	22 31	18 42	17 50	3 48
T 4	6 37	22 9	1 23	5 59	0 46	11 3	0 22	23 56	0 23	19 36	1 4	5 32	2 2	23 6	0 29	20 3	1 28	11 23	10 4	22 21	22 30	18 40	17 49	3 48
W 5	7 0	20 29	2 33	6 43	0 39	10 43	0 26	23 58	0 25	19 36	1 4	5 30	2 2	23 6	0 29	20 4	1 28	11 23	10 4	22 21	22 30	18 39	17 48	3 49
T 6	7 23	17 34	3 33	7 27	0 33	10 22	0 30	24 0	0 27	19 35	1 4	5 27	2 2	23 6	0 29	20 4	1 28	11 23	10 4	22 21	22 30	18 37	17 48	3 49
F 7	7 45	13 36	4 21	8 10	0 26	10 1	0 35	24 2	0 30	19 35	1 3	5 25	2 2	23 6	0 29	20 4	1 28	11 23	10 4	22 21	22 29	18 35	17 47	3 49
S 8	8 8	8 53	4 53	8 53	0 20	9 40	0 39	24 5	0 32	19 34	1 3	5 22	2 3	23 5	0 29	20 5	1 28	11 22	10 4	22 20	22 29	18 33	17 46	3 50
S 9	8 31	3 42	5 6	9 35	0 13	9 18	0 43	24 7	0 34	19 33	1 3	5 19	2 3	23 5	0 29	20 5	1 28	11 22	10 5	22 19	22 28	18 32	17 46	3 50
M10	8 53	1n37	5 2	10 16	0 6	8 56	0 47	24 9	0 36	19 32	1 3	5 17	2 3	23 5	0 29	20 5	1 28	11 22	10 5	22 18	22 28	18 30	17 45	3 50
T 11	9 15	6 48	4 39	10 57	0s 0	8 34	0 50	24 11	0 38	19 32	1 3	5 14	2 3	23 5	0 29	20 6	1 28	11 22	10 5	22 17	22 28	18 28	17 44	3 51
W12	9 38	11 34	4 1	11 38	0 7	8 11	0 54	24 13	0 40	19 31	1 3	5 12	2 3	23 5	0 29	20 6	1 28	11 21	10 5	22 16	22 27	18 27	17 44	3 51
T 13	10 0	15 40	3 10	12 18	0 14	7 48	0 58	24 15	0 42	19 30	1 3	5 9	2 3	23 5	0 29	20 6	1 28	11 21	10 5	22 15	22 27	18 25	17 43	3 51
F 14	10 21	18 54	2 11	12 57	0 21	7 25	1 1	24 17	0 45	19 29	1 3	5 7	2 3	23 5	0 29	20 7	1 28	11 21	10 5	22 14	22 26	18 23	17 42	3 51
S 15	10 43	21 7	1 5	13 35	0 27	7 2	1 5	24 19	0 47	19 28	1 2	5 5	2 4	23 4	0 29	20 7	1 28	11 21	10 5	22 14	22 26	18 21	17 42	3 52
S 16	11 5	22 15	0s 2	14 13	0 34	6 38	1 8	24 21	0 49	19 27	1 2	5 2	2 4	23 4	0 29	20 7	1 28	11 20	10 5	22 14	22 26	18 20	17 41	3 52
M17	11 26	22 17	1 7	14 50	0 40	6 13	1 11	24 24	0 52	19 26	1 2	5 0	2 4	23 4	0 29	20 8	1 28	11 20	10 5	22 14	22 25	18 18	17 40	3 52
T 18	11 47	21 17	2 9	15 26	0 47	5 49	1 14	24 26	0 54	19 25	1 2	4 57	2 4	23 4	0 29	20 8	1 28	11 20	10 5	22 14	22 25	18 16	17 39	3 53
W19	12 8	19 20	3 5	16 2	0 53	5 24	1 17	24 28	0 56	19 23	1 2	4 55	2 4	23 4	0 29	20 8	1 28	11 20	10 6	22 14	22 24	18 14	17 39	3 53
T 20	12 29	16 35	3 52	16 37	0 59	4 59	1 20	24 30	0 59	19 22	1 2	4 53	2 4	23 3	0 29	20 9	1 28	11 19	10 6	22 15	22 24	18 12	17 38	3 53
F 21	12 50	13 9	4 30	17 10	1 6	4 34	1 23	24 33	1 1	19 21	1 2	4 50	2 5	23 3	0 29	20 9	1 28	11 19	10 6	22 14	22 23	18 11	17 37	3 53
S 22	13 10	9 9	4 57	17 44	1 12	4 9	1 26	24 35	1 4	19 20	1 2	4 48	2 5	23 3	0 29	20 9	1 28	11 19	10 6	22 14	22 23	18 9	17 37	3 54
S 23	13 31	4 44	5 10	18 16	1 18	3 43	1 29	24 38	1 6	19 18	1 2	4 46	2 5	23 3	0 29	20 10	1 28	11 19	10 6	22 14	22 23	18 7	17 36	3 54
M24	13 51	0 1	5 10	18 47	1 24	3 18	1 31	24 40	1 9	19 17	1 1	4 44	2 5	23 3	0 29	20 10	1 28	11 19	10 6	22 13	22 22	18 5	17 35	3 54
T 25	14 10	4s49	4 54	19 18	1 29	2 52	1 33	24 42	1 11	19 15	1 1	4 41	2 5	23 2	0 29	20 10	1 28	11 18	10 6	22 12	22 22	18 4	17 34	3 54
W26	14 30	9 34	4 22	19 47	1 35	2 25	1 36	24 45	1 14	19 14	1 1	4 39	2 5	23 2	0 29	20 11	1 28	11 18	10 6	22 12	22 21	18 2	17 34	3 55
T 27	14 49	13 58	3 35	20 16	1 40	1 59	1 38	24 48	1 17	19 12	1 1	4 37	2 6	23 2	0 29	20 11	1 28	11 18	10 6	22 11	22 21	18 0	17 33	3 55
F 28	15 8	17 44	2 34	20 43	1 45	1 33	1 40	24 50	1 19	19 10	1 1	4 35	2 6	23 2	0 29	20 12	1 28	11 18	10 6	22 10	22 21	17 58	17 32	3 55
S 29	15 27	20 33	1 23	21 10	1 50	1 6	1 42	24 53	1 22	19 9	1 1	4 33	2 6	23 1	0 29	20 12	1 28	11 17	10 6	22 10	22 20	17 56	17 31	3 55
S 30	15 46	22 6	0 6	21 35	1 55	0 39	1 44	24 56	1 25	19 7	1 1	4 31	2 6	23 1	0 29	20 12	1 27	11 17	10 6	22 10	22 20	17 55	17 31	3 56
M31	16s 4	22s13	1n12	22s 0	1s59	0n13	1n46	24n58	1n27	19s 5	1s 1	4n29	2n 6	23s 1	0s29	20s13	1n27	11n17	10s 6	22s10	22s19	17n53	17n30	3s56

Julian Day Number = 2143194.5, Delta T = 15m03s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'10, Lahiri = 12°05'10 Julian Calendar 1 Oct. 1155 == Greg. Calendar 8 Oct. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

NOVEMBER 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 4 47	14♏51'47	8♉22	0♐36	4♎43	2°R57	9♒ 1	23♍43	16♉24	7♐28	4°R59	10♐48	11♐52	24♋38	5°R44	T 1
W 2	3 8 43	15°52'26	22°42	2° 4	5°54	2♋55	9° 8	23°48	16°26	7°30	4♊58	10°50	11°49	24°45	5♊41	W 2
T 3	3 12 40	16°53'07	6♒57	3°31	7° 6	2°52	9°15	23°54	16°28	7°32	4°57	10°51	11°46	24°52	5°37	T 3
F 4	3 16 37	17°53'49	21° 5	4°58	8°18	2°48	9°22	23°59	16°30	7°34	4°56	10°R51	11°43	24°58	5°34	F 4
S 5	3 20 33	18°54'32	5♓ 3	6°24	9°30	2°43	9°29	24° 4	16°32	7°36	4°55	10°50	11°40	25° 5	5°31	S 5
S 6	3 24 30	19°55'15	18°52	7°50	10°42	2°38	9°36	24°10	16°35	7°39	4°54	10°49	11°37	25°12	5°27	S 6
M 7	3 28 26	20°56'00	2♈29	9°14	11°54	2°31	9°44	24°15	16°37	7°41	4°52	10°46	11°33	25°18	5°24	M 7
T 8	3 32 23	21°56'47	15°53	10°38	13° 6	2°24	9°51	24°20	16°39	7°43	4°51	10°43	11°30	25°25	5°20	T 8
W 9	3 36 19	22°57'34	29° 5	12° 1	14°18	2°16	9°59	24°25	16°42	7°45	4°50	10°40	11°27	25°32	5°17	W 9
T 10	3 40 16	23°58'22	12♉ 3	13°22	15°31	2° 7	10° 7	24°30	16°44	7°47	4°49	10°38	11°24	25°38	5°14	T 10
F 11	3 44 12	24°59'12	24°47	14°42	16°43	1°57	10°15	24°35	16°47	7°50	4°48	10°37	11°21	25°45	5°10	F 11
S 12	3 48 9	26° 0'03	7♊17	16° 1	17°56	1°46	10°23	24°40	16°49	7°52	4°47	10°D36	11°17	25°52	5° 7	S 12
S 13	3 52 6	27° 0'55	19°34	17°18	19° 8	1°35	10°32	24°44	16°52	7°54	4°46	10°36	11°14	25°58	5° 3	S 13
M14	3 56 2	28° 1'48	1♋40	18°32	20°21	1°22	10°40	24°49	16°54	7°56	4°44	10°37	11°11	26° 5	5° 0	M14
T 15	3 59 59	29° 2'43	13°37	19°45	21°34	1° 9	10°49	24°53	16°57	7°58	4°43	10°38	11° 8	26°12	4°56	T 15
W16	4 3 55	0♐ 3'39	25°29	20°54	22°47	0°55	10°57	24°58	17° 0	8° 1	4°42	10°39	11° 5	26°19	4°53	W16
T 17	4 7 52	1° 4'36	7♌18	22° 0	24° 0	0°40	11° 6	25° 2	17° 2	8° 3	4°41	10°40	11° 2	26°25	4°49	T 17
F 18	4 11 48	2° 5'34	19°10	23° 3	25°13	0°25	11°15	25° 7	17° 5	8° 5	4°40	10°41	10°58	26°32	4°46	F 18
S 19	4 15 45	3° 6'34	1♍ 9	24° 1	26°26	0° 9	11°25	25°11	17° 8	8° 7	4°39	10°R41	10°55	26°39	4°42	S 19
S 20	4 19 41	4° 7'34	13°20	24°55	27°39	29♊52	11°34	25°15	17°10	8°10	4°38	10°41	10°52	26°45	4°38	S 20
M21	4 23 38	5° 8'36	25°47	25°43	28°52	29°34	11°43	25°19	17°13	8°12	4°36	10°41	10°49	26°52	4°35	M21
T 22	4 27 35	6° 9'39	8♎35	26°25	0♏ 6	29°15	11°53	25°23	17°16	8°14	4°35	10°40	10°46	26°59	4°31	T 22
W23	4 31 31	7°10'43	21°46	27° 0	1°19	28°56	12° 3	25°27	17°19	8°17	4°34	10°40	10°42	27° 5	4°28	W23
T 24	4 35 28	8°11'48	5♏22	27°26	2°32	28°37	12°12	25°30	17°22	8°19	4°33	10°39	10°39	27°12	4°24	T 24
F 25	4 39 24	9°12'54	19°23	27°44	3°46	28°16	12°22	25°34	17°25	8°21	4°32	10°39	10°36	27°19	4°21	F 25
S 26	4 43 21	10°14'02	3♐45	27°R53	4°59	27°55	12°33	25°38	17°28	8°23	4°31	10°D39	10°33	27°25	4°17	S 26
S 27	4 47 17	11°15'09	18°24	27°50	6°13	27°34	12°43	25°41	17°31	8°26	4°29	10°R39	10°30	27°32	4°14	S 27
M28	4 51 14	12°16'18	3♑12	27°37	7°27	27°12	12°53	25°45	17°34	8°28	4°28	10°39	10°27	27°39	4°10	M28
T 29	4 55 10	13°17'27	18° 4	27°12	8°40	26°50	13° 3	25°48	17°37	8°30	4°27	10°39	10°23	27°45	4° 7	T 29
W30	4 59 7	14♐18'36	2♒50	26♐36	9♏54	26♊27	13♒14	25♍51	17♉40	8♐32	4♊26	10♐39	10♐20	27♋52	4♊ 3	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s22	20s51	2n26	22s23	2s 3	0s14	1n47	25n 1	1n30	19s 3	1s 1	4n27	2n 7	23s 1	0s29	20s13	1n27	11n17	10s 6	22s10	22s19	17n51	17n29	3s56
W 2	16 40	18 10	3 31	22 45	2 7	0 41	1 49	25 4	1 33	19 2	1 0	4 25	2 7	23 0	0 29	20 13	1 27	11 17	10 6	22 10	22 18	17 49	17 28	3 56
T 3	16 57	14 24	4 22	23 6	2 11	1 9	1 50	25 7	1 36	19 0	1 0	4 23	2 7	23 0	0 29	20 14	1 27	11 16	10 6	22 10	22 18	17 47	17 28	3 56
F 4	17 15	9 51	4 57	23 25	2 14	1 36	1 52	25 10	1 39	18 58	1 0	4 21	2 7	23 0	0 29	20 14	1 27	11 16	10 6	22 10	22 18	17 46	17 27	3 57
S 5	17 31	4 50	5 13	23 44	2 17	2 3	1 53	25 13	1 41	18 56	1 0	4 19	2 7	22 59	0 29	20 14	1 27	11 16	10 6	22 10	22 17	17 44	17 26	3 57
S 6	17 48	0n21	5 12	24 1	2 20	2 30	1 54	25 16	1 44	18 54	1 0	4 17	2 8	22 59	0 29	20 15	1 27	11 16	10 6	22 10	22 17	17 42	17 25	3 57
M 7	18 4	5 28	4 53	24 17	2 22	2 57	1 55	25 19	1 47	18 51	1 0	4 15	2 8	22 59	0 28	20 15	1 27	11 15	10 6	22 10	22 16	17 40	17 24	3 57
T 8	18 20	10 15	4 18	24 31	2 24	3 25	1 56	25 22	1 50	18 49	1 0	4 13	2 8	22 59	0 28	20 16	1 27	11 15	10 6	22 9	22 16	17 38	17 24	3 57
W 9	18 36	14 28	3 30	24 44	2 25	3 52	1 57	25 25	1 53	18 47	1 0	4 11	2 8	22 58	0 28	20 16	1 27	11 15	10 6	22 9	22 15	17 36	17 23	3 58
T 10	18 51	17 55	2 31	24 55	2 26	4 19	1 58	25 28	1 56	18 45	1 0	4 10	2 9	22 58	0 28	20 16	1 27	11 15	10 6	22 9	22 15	17 35	17 22	3 58
F 11	19 6	20 27	1 26	25 6	2 26	4 47	1 59	25 31	1 59	18 43	1 0	4 8	2 9	22 58	0 28	20 17	1 27	11 15	10 6	22 8	22 15	17 33	17 21	3 58
S 12	19 21	21 56	0 18	25 14	2 26	5 14	1 59	25 34	2 2	18 40	0 59	4 6	2 9	22 57	0 28	20 17	1 27	11 14	10 6	22 8	22 14	17 31	17 21	3 58
S 13	19 35	22 19	0s50	25 21	2 25	5 41	2 0	25 37	2 4	18 38	0 59	4 5	2 9	22 57	0 28	20 17	1 27	11 14	10 6	22 8	22 14	17 29	17 20	3 58
M14	19 49	21 38	1 54	25 26	2 24	6 8	2 0	25 40	2 7	18 35	0 59	4 3	2 9	22 57	0 28	20 18	1 27	11 14	10 6	22 8	22 13	17 27	17 19	3 58
T 15	20 2	19 59	2 53	25 30	2 22	6 35	2 0	25 43	2 10	18 33	0 59	4 1	2 10	22 56	0 28	20 18	1 27	11 14	10 6	22 9	22 13	17 25	17 18	3 59
W16	20 15	17 28	3 44	25 32	2 19	7 2	2 0	25 46	2 13	18 30	0 59	4 0	2 10	22 56	0 28	20 19	1 27	11 14	10 6	22 9	22 12	17 24	17 18	3 59
T 17	20 28	14 15	4 25	25 33	2 15	7 29	2 0	25 49	2 16	18 28	0 59	3 58	2 10	22 56	0 28	20 19	1 27	11 14	10 6	22 9	22 12	17 22	17 17	3 59
F 18	20 40	10 28	4 55	25 32	2 10	7 56	2 0	25 52	2 19	18 25	0 59	3 57	2 10	22 55	0 28	20 19	1 27	11 13	10 6	22 9	22 11	17 20	17 16	3 59
S 19	20 52	6 14	5 13	25 29	2 4	8 22	2 0	25 55	2 22	18 23	0 59	3 55	2 11	22 55	0 28	20 20	1 27	11 13	10 6	22 9	22 11	17 18	17 15	3 59
S 20	21 4	1 42	5 17	25 25	1 58	8 49	2 0	25 57	2 25	18 20	0 59	3 54	2 11	22 54	0 28	20 20	1 27	11 13	10 6	22 9	22 11	17 16	17 15	3 59
M21	21 15	3s 0	5 7	25 18	1 50	9 15	2 0	26 0	2 27	18 17	0 59	3 53	2 11	22 54	0 28	20 20	1 27	11 13	10 6	22 9	22 10	17 14	17 14	3 59
T 22	21 26	7 43	4 41	25 11	1 41	9 41	2 0	26 3	2 30	18 14	0 59	3 51	2 11	22 54	0 28	20 21	1 27	11 13	10 6	22 9	22 10	17 12	17 13	3 59
W23	21 36	12 13	4 0	25 1	1 30	10 7	1 59	26 5	2 33	18 12	0 58	3 50	2 12	22 53	0 28	20 21	1 27	11 13	10 6	22 9	22 9	17 11	17 12	3 59
T 24	21 46	16 15	3 4	24 50	1 19	10 33	1 59	26 8	2 35	18 9	0 58	3 49	2 12	22 53	0 28	20 22	1 27	11 12	10 6	22 9	22 9	17 9	17 12	4 0
F 25	21 56	19 30	1 56	24 37	1 6	10 59	1 58	26 10	2 38	18 6	0 58	3 47	2 12	22 53	0 28	20 22	1 27	11 12	10 6	22 9	22 8	17 7	17 11	4 0
S 26	22 5	21 37	0 38	24 23	0 51	11 24	1 57	26 12	2 41	18 3	0 58	3 46	2 12	22 52	0 28	20 22	1 27	11 12	10 6	22 9	22 8	17 5	17 10	4 0
S 27	22 14	22 20	0n43	24 8	0 36	11 49	1 56	26 15	2 43	18 0	0 58	3 45	2 13	22 52	0 28	20 23	1 27	11 12	10 6	22 9	22 7	17 3	17 9	4 0
M28	22 22	21 28	2 2	23 50	0 19	12 14	1 56	26 17	2 46	17 57	0 58	3 44	2 13	22 51	0 28	20 23	1 27	11 12	10 6	22 9	22 7	17 1	17 9	4 0
T 29	22 30	19 8	3 13	23 32	0 1	12 39	1 55	26 19	2 48	17 54	0 58	3 43	2 13	22 51	0 28	20 23	1 27	11 12	10 6	22 9	22 6	16 59	17 8	4 0
W30	22s37	15s32	4n11	23s12	0n19	13s 3	1n54	26n20	2n50	17s51	0s58	3n42	2n13	22s51	0s28	20s24	1n27	11n12	10s 6	22s 9	22s 6	16n57	17n 7	4s 0

Julian Day Number = 2143225.5, Delta T = 15m03s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'14, Lahiri = 12°05'14 Julian Calendar 1 Nov. 1155 == Greg. Calendar 8 Nov. 1155

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ASTRODIENST EPHEMERIS for the year 1155
geocentric

DECEMBER 1155 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 4	15♐19'45	17♒25	25°R48	11♏ 8	26°R 5	13♒25	25♍54	17♑43	8♐35	4°R25	10°R38	10♐17	27♋59	4°R 0	T 1
F 2	5 7 0	16°20'55	1♓44	24♐49	12°22	25♊41	13°35	25°57	17°46	8°37	4♊24	10♐38	10°14	28° 6	3♊56	F 2
S 3	5 10 57	17°22'05	15°44	23°42	13°35	25°18	13°46	26° 0	17°49	8°39	4°23	10°D38	10°11	28°12	3°53	S 3
S 4	5 14 53	18°23'15	29°25	22°27	14°49	24°54	13°57	26° 3	17°53	8°41	4°21	10°38	10° 8	28°19	3°49	S 4
M 5	5 18 50	19°24'24	12♈48	21° 7	16° 3	24°31	14° 8	26° 6	17°56	8°44	4°20	10°38	10° 4	28°26	3°46	M 5
T 6	5 22 46	20°25'34	25°53	19°44	17°17	24° 7	14°20	26° 8	17°59	8°46	4°19	10°39	10° 1	28°32	3°42	T 6
W 7	5 26 43	21°26'45	8♉42	18°23	18°31	23°43	14°31	26°11	18° 2	8°48	4°18	10°40	9°58	28°39	3°39	W 7
T 8	5 30 39	22°27'55	21°18	17° 4	19°45	23°19	14°42	26°13	18° 5	8°50	4°17	10°41	9°55	28°46	3°36	T 8
F 9	5 34 36	23°29'05	3♊42	15°51	20°59	22°55	14°54	26°16	18° 9	8°53	4°16	10°42	9°52	28°52	3°32	F 9
S 10	5 38 33	24°30'16	15°57	14°45	22°13	22°31	15° 5	26°18	18°12	8°55	4°15	10°R42	9°48	28°59	3°29	S 10
S 11	5 42 29	25°31'26	28° 2	13°48	23°27	22° 8	15°17	26°20	18°15	8°57	4°14	10°41	9°45	29° 6	3°26	S 11
M12	5 46 26	26°32'37	10♋ 1	13° 1	24°42	21°45	15°29	26°22	18°19	8°59	4°13	10°39	9°42	29°12	3°23	M12
T 13	5 50 22	27°33'48	21°55	12°24	25°56	21°22	15°41	26°24	18°22	9° 1	4°12	10°37	9°39	29°19	3°20	T 13
W14	5 54 19	28°34'59	3♌46	11°58	27°10	20°59	15°53	26°26	18°25	9° 3	4°11	10°34	9°36	29°26	3°16	W14
T 15	5 58 15	29°36'10	15°36	11°42	28°24	20°36	16° 5	26°28	18°29	9° 6	4°10	10°31	9°33	29°33	3°13	T 15
F 16	6 2 12	0♑37'21	27°29	11°D36	29°39	20°14	16°17	26°29	18°32	9° 8	4° 9	10°28	9°29	29°39	3°10	F 16
S 17	6 6 9	1°38'33	9♍27	11°39	0♐53	19°53	16°29	26°31	18°36	9°10	4° 8	10°25	9°26	29°46	3° 7	S 17
S 18	6 10 5	2°39'44	21°35	11°51	2° 7	19°31	16°41	26°32	18°39	9°12	4° 7	10°24	9°23	29°53	3° 4	S 18
M19	6 14 2	3°40'56	3♎57	12°10	3°22	19°11	16°54	26°33	18°42	9°14	4° 6	10°D23	9°20	29°59	3° 1	M19
T 20	6 17 58	4°42'07	16°38	12°36	4°36	18°51	17° 6	26°34	18°46	9°16	4° 5	10°24	9°17	0♎ 6	2°58	T 20
W21	6 21 55	5°43'19	29°42	13° 9	5°50	18°31	17°19	26°36	18°49	9°18	4° 4	10°25	9°14	0°13	2°56	W21
T 22	6 25 51	6°44'31	13♏11	13°47	7° 5	18°12	17°31	26°37	18°53	9°20	4° 3	10°27	9°10	0°19	2°53	T 22
F 23	6 29 48	7°45'43	27° 8	14°31	8°19	17°54	17°44	26°37	18°56	9°23	4° 2	10°28	9° 7	0°26	2°50	F 23
S 24	6 33 44	8°46'54	11♐32	15°19	9°34	17°36	17°57	26°38	19° 0	9°25	4° 1	10°R29	9° 4	0°33	2°47	S 24
S 25	6 37 41	9°48'06	26°20	16°11	10°48	17°19	18° 9	26°39	19° 3	9°27	4° 0	10°28	9° 1	0°39	2°45	S 25
M26	6 41 38	10°49'17	11♑25	17° 7	12° 3	17° 2	18°22	26°39	19° 7	9°29	3°59	10°25	8°58	0°46	2°42	M26
T 27	6 45 34	11°50'28	26°38	18° 7	13°17	16°47	18°35	26°40	19°10	9°31	3°58	10°22	8°54	0°53	2°40	T 27
W28	6 49 31	12°51'38	11♒48	19° 9	14°32	16°32	18°48	26°40	19°14	9°33	3°57	10°17	8°51	1° 0	2°37	W28
T 29	6 53 27	13°52'47	26°47	20°14	15°46	16°18	19° 1	26°40	19°17	9°35	3°56	10°12	8°48	1° 6	2°35	T 29
F 30	6 57 24	14°53'55	11♓26	21°22	17° 1	16° 5	19°15	26°R40	19°21	9°36	3°55	10° 7	8°45	1°13	2°32	F 30
S 31	7 1 20	15♑55'03	25♓39	22♐31	18♐15	15♊52	19♒28	26♍40	19♑24	9♐38	3♊55	10♐ 4	8♐42	1♌20	2♊30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s44	11s 3	4n52	22s51	0n38	13s27	1n52	26n22	2n53	17s48	0s58	3n41	2n14	22s50	0s28	20s24	1n27	11n12	10s 6	22s 9	22s 6	16n55	17n 7	4s 0
F 2	22 51	6 1	5 14	22 28	0 58	13 51	1 51	26 23	2 55	17 45	0 58	3 40	2 14	22 50	0 28	20 24	1 27	11 11	10 6	22 8	22 5	16 54	17 6	4 0
S 3	22 57	0 47	5 16	22 5	1 18	14 14	1 50	26 25	2 57	17 41	0 58	3 39	2 14	22 49	0 28	20 25	1 27	11 11	10 5	22 8	22 5	16 52	17 5	4 0
S 4	23 2	4n22	5 1	21 42	1 38	14 38	1 49	26 26	2 59	17 38	0 58	3 38	2 15	22 49	0 28	20 25	1 27	11 11	10 5	22 8	22 4	16 50	17 5	4 0
M 5	23 7	9 12	4 29	21 19	1 56	15 0	1 47	26 27	3 1	17 35	0 58	3 37	2 15	22 48	0 28	20 25	1 27	11 11	10 5	22 9	22 4	16 48	17 4	4 0
T 6	23 12	13 31	3 44	20 56	2 13	15 23	1 46	26 28	3 3	17 31	0 58	3 36	2 15	22 48	0 28	20 26	1 27	11 11	10 5	22 9	22 3	16 46	17 3	4 0
W 7	23 16	17 7	2 48	20 35	2 28	15 45	1 44	26 28	3 5	17 28	0 57	3 36	2 15	22 48	0 28	20 26	1 27	11 11	10 5	22 9	22 3	16 44	17 3	4 0
T 8	23 20	19 52	1 46	20 15	2 41	16 6	1 43	26 29	3 7	17 25	0 57	3 35	2 16	22 47	0 28	20 26	1 27	11 11	10 5	22 9	22 2	16 42	17 2	4 0
F 9	23 23	21 37	0 39	19 57	2 51	16 28	1 41	26 29	3 8	17 21	0 57	3 34	2 16	22 47	0 28	20 27	1 27	11 11	10 5	22 9	22 2	16 40	17 2	4 0
S 10	23 26	22 19	0s29	19 42	2 59	16 49	1 39	26 30	3 10	17 18	0 57	3 34	2 16	22 46	0 28	20 27	1 27	11 11	10 5	22 9	22 1	16 38	17 1	4 0
S 11	23 28	21 57	1 35	19 30	3 5	17 9	1 37	26 30	3 11	17 14	0 57	3 33	2 17	22 46	0 28	20 27	1 27	11 11	10 5	22 9	22 1	16 36	17 0	4 0
M12	23 30	20 35	2 35	19 22	3 8	17 29	1 35	26 30	3 13	17 11	0 57	3 32	2 17	22 45	0 28	20 28	1 27	11 11	10 4	22 9	22 0	16 35	17 0	4 0
T 13	23 32	18 19	3 29	19 16	3 9	17 49	1 34	26 29	3 14	17 7	0 57	3 32	2 17	22 45	0 28	20 28	1 27	11 11	10 4	22 8	22 0	16 33	16 59	4 0
W14	23 32	15 18	4 13	19 13	3 8	18 8	1 32	26 29	3 15	17 3	0 57	3 31	2 17	22 44	0 28	20 28	1 27	11 10	10 4	22 8	21 59	16 31	16 59	4 0
T 15	23 33	11 41	4 46	19 13	3 6	18 26	1 30	26 29	3 16	17 0	0 57	3 31	2 18	22 44	0 28	20 29	1 27	11 10	10 4	22 8	21 59	16 29	16 58	4 0
F 16	23 33	7 36	5 7	19 16	3 2	18 44	1 27	26 28	3 17	16 56	0 57	3 31	2 18	22 43	0 28	20 29	1 27	11 10	10 4	22 7	21 58	16 27	16 58	4 0
S 17	23 32	3 12	5 15	19 21	2 57	19 2	1 25	26 27	3 18	16 52	0 57	3 30	2 18	22 43	0 28	20 29	1 27	11 10	10 4	22 7	21 58	16 25	16 57	4 0
S 18	23 31	1s23	5 9	19 29	2 51	19 19	1 23	26 26	3 19	16 49	0 57	3 30	2 19	22 43	0 28	20 30	1 27	11 10	10 4	22 6	21 57	16 23	16 57	4 0
M19	23 30	6 0	4 49	19 38	2 45	19 36	1 21	26 25	3 20	16 45	0 57	3 30	2 19	22 42	0 28	20 30	1 27	11 10	10 3	22 6	21 57	16 21	16 56	4 0
T 20	23 28	10 29	4 14	19 48	2 37	19 52	1 19	26 24	3 21	16 41	0 57	3 30	2 19	22 42	0 28	20 30	1 27	11 10	10 3	22 6	21 57	16 19	16 56	4 0
W21	23 25	14 37	3 26	20 0	2 30	20 7	1 16	26 23	3 21	16 37	0 57	3 29	2 19	22 41	0 28	20 31	1 27	11 10	10 3	22 7	21 56	16 17	16 55	4 0
T 22	23 23	18 10	2 24	20 13	2 21	20 22	1 14	26 22	3 22	16 33	0 57	3 29	2 20	22 41	0 28	20 31	1 27	11 10	10 3	22 7	21 56	16 15	16 55	4 0
F 23	23 19	20 47	1 13	20 27	2 13	20 37	1 12	26 21	3 22	16 29	0 57	3 29	2 20	22 40	0 28	20 31	1 27	11 10	10 3	22 7	21 55	16 13	16 54	4 0
S 24	23 15	22 10	0n 6	20 41	2 4	20 51	1 9	26 19	3 22	16 25	0 57	3 29	2 20	22 40	0 28	20 31	1 27	11 10	10 3	22 7	21 55	16 11	16 54	4 0
S 25	23 11	22 4	1 26	20 56	1 55	21 4	1 7	26 18	3 23	16 21	0 57	3 29	2 21	22 39	0 28	20 32	1 27	11 10	10 2	22 7	21 54	16 9	16 53	3 59
M26	23 6	20 22	2 41	21 10	1 46	21 17	1 4	26 17	3 23	16 17	0 57	3 29	2 21	22 39	0 28	20 32	1 27	11 10	10 2	22 7	21 54	16 7	16 53	3 59
T 27	23 1	17 13	3 46	21 25	1 36	21 29	1 2	26 15	3 23	16 13	0 57	3 29	2 21	22 38	0 28	20 32	1 27	11 10	10 2	22 6	21 53	16 5	16 52	3 59
W28	22 55	12 56	4 35	21 39	1 27	21 40	0 59	26 14	3 23	16 9	0 57	3 29	2 21	22 38	0 28	20 33	1 27	11 10	10 2	22 5	21 53	16 3	16 52	3 59
T 29	22 49	7 53	5 4	21 54	1 18	21 51	0 57	26 12	3 23	16 5	0 57	3 30	2 22	22 37	0 28	20 33	1 27	11 10	10 2	22 5	21 52	16 2	16 52	3 59
F 30	22 43	2 30	5 12	22 7	1 9	22 1	0 54	26 11	3 23	16 1	0 56	3 30	2 22	22 37	0 28	20 33	1 27	11 10	10 2	22 4	21 52	16 0	16 51	3 59
S 31	22s36	2n52	5n 1	22s21	1n 0	22s10	0n51	26n 9	3n23	15s57	0s56	3n30	2n22	22s36	0s28	20s33	1n27	11n10	10s 1	22s 4	21s51	15n58	16n51	3s59

Julian Day Number = 2143255.5, Delta T = 15m03s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'18, Lahiri = 12°05'19 Julian Calendar 1 Dec. 1155 == Greg. Calendar 8 Dec. 1155

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

JANUARY 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 5 17	16♉56'09	9♈26	23♐43	19♐30	15°R40	19♒41	26°R40	19♉28	9♐40	3°R54	10°R 2	8♐39	1♌26	2°R28	S 1
M 2	7 9 13	17°57'15	22°47	24°57	20°44	15♊29	19°54	26♍40	19°31	9°42	3♊53	10°D 2	8°35	1°33	2♊26	M 2
T 3	7 13 10	18°58'19	5♋45	26°12	21°59	15°19	20° 8	26°40	19°35	9°44	3°52	10♐ 3	8°32	1°40	2°23	T 3
W 4	7 17 7	19°59'23	18°23	27°28	23°13	15°10	20°21	26°39	19°38	9°46	3°51	10° 5	8°29	1°46	2°21	W 4
T 5	7 21 3	21° 0'25	0♊45	28°46	24°28	15° 2	20°35	26°39	19°42	9°48	3°51	10° 6	8°26	1°53	2°19	T 5
F 6	7 25 0	22° 1'27	12°55	0♉ 6	25°43	14°54	20°48	26°38	19°46	9°50	3°50	10°R 7	8°23	2° 0	2°17	F 6
S 7	7 28 56	23° 2'27	24°56	1°26	26°57	14°47	21° 2	26°37	19°49	9°51	3°49	10° 5	8°20	2° 6	2°16	S 7
S 8	7 32 53	24° 3'26	6♋52	2°48	28°12	14°41	21°16	26°36	19°53	9°53	3°49	10° 2	8°16	2°13	2°14	S 8
M 9	7 36 49	25° 4'25	18°45	4°11	29°26	14°36	21°29	26°35	19°56	9°55	3°48	9°56	8°13	2°20	2°12	M 9
T 10	7 40 46	26° 5'22	0♌36	5°35	0♉41	14°31	21°43	26°34	20° 0	9°57	3°47	9°48	8°10	2°27	2°10	T 10
W11	7 44 42	27° 6'19	12°27	6°59	1°56	14°28	21°57	26°33	20° 3	9°58	3°47	9°39	8° 7	2°33	2° 9	W11
T 12	7 48 39	28° 7'14	24°20	8°25	3°10	14°25	22°11	26°32	20° 7	10° 0	3°46	9°29	8° 4	2°40	2° 7	T 12
F 13	7 52 36	29° 8'08	6♍17	9°52	4°25	14°23	22°25	26°30	20°10	10° 2	3°45	9°20	8° 0	2°47	2° 6	F 13
S 14	7 56 32	0♒ 9'02	18°19	11°19	5°40	14°22	22°38	26°29	20°14	10° 3	3°45	9°11	7°57	2°53	2° 4	S 14
S 15	8 0 29	1° 9'54	0♎29	12°47	6°54	14°D21	22°52	26°27	20°17	10° 5	3°44	9° 4	7°54	3° 0	2° 3	S 15
M16	8 4 25	2°10'45	12°51	14°17	8° 9	14°21	23° 6	26°26	20°21	10° 6	3°44	9° 0	7°51	3° 7	2° 2	M16
T 17	8 8 22	3°11'36	25°27	15°47	9°24	14°22	23°20	26°24	20°24	10° 8	3°43	8°58	7°48	3°13	2° 1	T 17
W18	8 12 18	4°12'26	8♏23	17°17	10°38	14°24	23°35	26°22	20°28	10° 9	3°43	8°D58	7°45	3°20	1°59	W18
T 19	8 16 15	5°13'14	21°42	18°49	11°53	14°26	23°49	26°20	20°31	10°11	3°42	8°58	7°41	3°27	1°58	T 19
F 20	8 20 11	6°14'02	5♐27	20°21	13° 8	14°30	24° 3	26°18	20°34	10°12	3°42	8°R59	7°38	3°34	1°57	F 20
S 21	8 24 8	7°14'49	19°40	21°55	14°22	14°33	24°17	26°16	20°38	10°14	3°41	8°59	7°35	3°40	1°57	S 21
S 22	8 28 5	8°15'35	4♑19	23°29	15°37	14°38	24°31	26°13	20°41	10°15	3°41	8°56	7°32	3°47	1°56	S 22
M23	8 32 1	9°16'19	19°20	25° 3	16°52	14°43	24°45	26°11	20°45	10°17	3°40	8°51	7°29	3°54	1°55	M23
T 24	8 35 58	10°17'02	4♒36	26°39	18° 6	14°49	25° 0	26° 9	20°48	10°18	3°40	8°43	7°26	4° 0	1°54	T 24
W25	8 39 54	11°17'44	19°56	28°15	19°21	14°56	25°14	26° 6	20°52	10°19	3°40	8°34	7°22	4° 7	1°54	W25
T 26	8 43 51	12°18'24	5♓ 8	29°53	20°36	15° 3	25°28	26° 3	20°55	10°21	3°39	8°24	7°19	4°14	1°53	T 26
F 27	8 47 47	13°19'02	20° 2	1♒31	21°50	15°11	25°42	26° 1	20°58	10°22	3°39	8°15	7°16	4°20	1°53	F 27
S 28	8 51 44	14°19'39	4♈31	3°10	23° 5	15°19	25°57	25°58	21° 2	10°23	3°39	8° 7	7°13	4°27	1°52	S 28
S 29	8 55 40	15°20'14	18°29	4°50	24°20	15°28	26°11	25°55	21° 5	10°24	3°38	8° 1	7°10	4°34	1°52	S 29
M30	8 59 37	16°20'47	1♉58	6°31	25°34	15°38	26°26	25°52	21° 8	10°26	3°38	7°58	7° 6	4°41	1°52	M30
T 31	9 3 34	17♒21'18	14♉59	8♒12	26♉49	15♊48	26♒40	25♍49	21♉11	10♐27	3♊38	7°D57	7♐ 3	4♌47	1♊52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s28	7n55	4n32	22s33	0n51	22s19	0n49	26n 8	3n23	15s52	0s56	3n30	2n23	22s36	0s28	20s34	1n27	11n10	10s 1	22s 3	21s51	15n56	16n51	3s59
M 2	22 20	12 27	3 49	22 45	0 42	22 27	0 46	26 6	3 22	15 48	0 56	3 31	2 23	22 35	0 28	20 34	1 27	11 10	10 1	22 3	21 50	15 54	16 50	3 59
T 3	22 12	16 16	2 56	22 57	0 33	22 35	0 43	26 5	3 22	15 44	0 56	3 31	2 23	22 35	0 28	20 34	1 27	11 11	10 1	22 3	21 50	15 52	16 50	3 59
W 4	22 3	19 13	1 56	23 7	0 24	22 42	0 41	26 3	3 22	15 40	0 56	3 32	2 23	22 34	0 28	20 34	1 27	11 11	10 1	22 4	21 49	15 50	16 50	3 58
T 5	21 54	21 14	0 51	23 17	0 16	22 48	0 38	26 2	3 21	15 35	0 56	3 32	2 24	22 34	0 28	20 35	1 28	11 11	10 0	22 4	21 49	15 48	16 50	3 58
F 6	21 44	22 12	0s15	23 26	0 7	22 54	0 35	26 1	3 21	15 31	0 56	3 33	2 24	22 33	0 28	20 35	1 28	11 11	10 0	22 4	21 48	15 46	16 49	3 58
S 7	21 34	22 7	1 20	23 33	0s 1	22 58	0 32	25 59	3 20	15 26	0 56	3 33	2 24	22 33	0 28	20 35	1 28	11 11	10 0	22 4	21 48	15 44	16 49	3 58
S 8	21 24	21 2	2 20	23 40	0 9	23 2	0 30	25 58	3 20	15 22	0 56	3 34	2 24	22 32	0 28	20 35	1 28	11 11	10 0	22 3	21 47	15 42	16 49	3 58
M 9	21 13	19 2	3 13	23 46	0 17	23 6	0 27	25 57	3 19	15 18	0 56	3 34	2 25	22 32	0 28	20 36	1 28	11 11	10 0	22 2	21 47	15 40	16 49	3 58
T 10	21 2	16 14	3 59	23 50	0 24	23 9	0 24	25 56	3 18	15 13	0 56	3 35	2 25	22 31	0 28	20 36	1 28	11 11	9 59	22 1	21 46	15 38	16 48	3 58
W11	20 50	12 46	4 33	23 53	0 32	23 11	0 21	25 55	3 18	15 9	0 56	3 36	2 25	22 31	0 28	20 36	1 28	11 11	9 59	22 0	21 46	15 36	16 48	3 57
T 12	20 38	8 49	4 56	23 55	0 39	23 12	0 19	25 54	3 17	15 4	0 56	3 37	2 26	22 30	0 28	20 36	1 28	11 11	9 59	21 58	21 45	15 34	16 48	3 57
F 13	20 25	4 30	5 6	23 56	0 46	23 12	0 16	25 53	3 16	15 0	0 56	3 37	2 26	22 30	0 28	20 36	1 28	11 11	9 59	21 57	21 45	15 32	16 48	3 57
S 14	20 13	0 0	5 3	23 56	0 52	23 12	0 13	25 52	3 16	14 55	0 56	3 38	2 26	22 29	0 28	20 37	1 28	11 11	9 58	21 56	21 44	15 30	16 48	3 57
S 15	19 59	4s33	4 46	23 54	0 59	23 12	0 10	25 51	3 15	14 50	0 56	3 39	2 26	22 29	0 28	20 37	1 28	11 12	9 58	21 55	21 44	15 28	16 48	3 57
M16	19 46	9 0	4 15	23 52	1 5	23 10	0 8	25 50	3 14	14 46	0 56	3 40	2 27	22 28	0 28	20 37	1 28	11 12	9 58	21 54	21 43	15 26	16 48	3 57
T 17	19 32	13 10	3 32	23 47	1 11	23 8	0 5	25 49	3 13	14 41	0 56	3 41	2 27	22 27	0 28	20 37	1 28	11 12	9 58	21 54	21 43	15 24	16 48	3 56
W18	19 18	16 50	2 36	23 42	1 17	23 5	0 2	25 49	3 12	14 37	0 56	3 42	2 27	22 27	0 28	20 37	1 28	11 12	9 58	21 54	21 42	15 22	16 48	3 56
T 19	19 3	19 44	1 31	23 35	1 22	23 1	0s 0	25 48	3 11	14 32	0 56	3 43	2 27	22 26	0 28	20 38	1 28	11 12	9 57	21 54	21 41	15 20	16 48	3 56
F 20	18 48	21 37	0 19	23 26	1 27	22 57	0 3	25 48	3 10	14 27	0 56	3 44	2 28	22 26	0 28	20 38	1 28	11 12	9 57	21 54	21 41	15 18	16 48	3 56
S 21	18 33	22 12	0n57	23 16	1 32	22 52	0 6	25 47	3 10	14 22	0 56	3 45	2 28	22 25	0 28	20 38	1 28	11 12	9 57	21 54	21 40	15 16	16 48	3 56
S 22	18 17	21 18	2 11	23 5	1 37	22 46	0 8	25 47	3 9	14 18	0 56	3 46	2 28	22 25	0 28	20 38	1 28	11 13	9 57	21 53	21 40	15 14	16 48	3 56
M23	18 1	18 53	3 18	22 52	1 41	22 40	0 11	25 47	3 8	14 13	0 56	3 48	2 28	22 24	0 28	20 38	1 28	11 13	9 56	21 53	21 39	15 12	16 48	3 55
T 24	17 45	15 7	4 12	22 38	1 45	22 33	0 14	25 46	3 7	14 8	0 56	3 49	2 29	22 24	0 28	20 38	1 28	11 13	9 56	21 51	21 39	15 10	16 48	3 55
W25	17 28	10 21	4 48	22 23	1 49	22 25	0 16	25 46	3 6	14 3	0 56	3 50	2 29	22 23	0 28	20 39	1 28	11 13	9 56	21 50	21 38	15 8	16 48	3 55
T 26	17 11	4 58	5 3	22 6	1 52	22 16	0 19	25 46	3 5	13 58	0 56	3 51	2 29	22 23	0 29	20 39	1 28	11 13	9 56	21 48	21 38	15 6	16 48	3 55
F 27	16 54	0n35	4 57	21 47	1 55	22 7	0 21	25 46	3 4	13 54	0 57	3 53	2 29	22 22	0 29	20 39	1 28	11 13	9 55	21 47	21 37	15 4	16 48	3 55
S 28	16 36	5 58	4 32	21 27	1 58	21 57	0 24	25 46	3 3	13 49	0 57	3 54	2 30	22 22	0 29	20 39	1 28	11 14	9 55	21 46	21 37	15 2	16 48	3 55
S 29	16 19	10 51	3 52	21 5	2 0	21 47	0 26	25 46	3 2	13 44	0 57	3 55	2 30	22 21	0 29	20 39	1 28	11 14	9 55	21 45	21 36	15 0	16 48	3 54
M30	16 1	15 1	2 59	20 42	2 2	21 36	0 29	25 46	3 1	13 39	0 57	3 57	2 30	22 21	0 29	20 39	1 28	11 14	9 55	21 44	21 36	14 58	16 48	3 54
T 31	15s42	18n18	1n59	20s17	2s 3	21s24	0s31	25n46	3n 0	13s34	0s57	3n58	2n30	22s20	0s29	20s39	1n28	11n14	9s54	21s44	21s35	14n56	16n48	3s54

Julian Day Number = 2143286.5, Delta T = 15m03s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'22, Lahiri = 12°05'23 Julian Calendar 1 Jan. 1156 == Greg. Calendar 8 Jan. 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

FEBRUARY 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 7 30	18♒21'47	27♉36	9♒55	28♋ 3	15♊59	26♒54	25°R46	21♋15	10♐28	3°R38	7♐57	7♐ 0	4♌54	1°D52	W 1
T 2	9 11 27	19°22'15	9♊54	11°38	29°18	16°11	27° 9	25♍42	21°18	10°29	3♊38	7°R58	6°57	5° 1	1♊52	T 2
F 3	9 15 23	20°22'40	21°58	13°23	0♒33	16°23	27°23	25°39	21°21	10°30	3°37	7°57	6°54	5° 7	1°52	F 3
S 4	9 19 20	21°23'04	3♋54	15° 8	1°47	16°35	27°38	25°36	21°24	10°31	3°37	7°54	6°51	5°14	1°52	S 4
S 5	9 23 16	22°23'25	15°45	16°55	3° 2	16°48	27°52	25°32	21°27	10°32	3°37	7°48	6°47	5°21	1°52	S 5
M 6	9 27 13	23°23'45	27°34	18°42	4°17	17° 2	28° 7	25°29	21°31	10°33	3°37	7°39	6°44	5°27	1°52	M 6
T 7	9 31 9	24°24'03	9♌25	20°30	5°31	17°16	28°21	25°25	21°34	10°34	3°37	7°28	6°41	5°34	1°53	T 7
W 8	9 35 6	25°24'19	21°19	22°20	6°46	17°30	28°36	25°21	21°37	10°35	3°37	7°15	6°38	5°41	1°53	W 8
T 9	9 39 3	26°24'33	3♍17	24°10	8° 0	17°45	28°50	25°18	21°40	10°36	3°37	7° 0	6°35	5°48	1°54	T 9
F 10	9 42 59	27°24'45	15°22	26° 1	9°15	18° 1	29° 4	25°14	21°43	10°37	3°D37	6°46	6°32	5°54	1°54	F 10
S 11	9 46 56	28°24'56	27°33	27°54	10°30	18°17	29°19	25°10	21°46	10°38	3°37	6°33	6°28	6° 1	1°55	S 11
S 12	9 50 52	29°25'05	9♎52	29°47	11°44	18°33	29°33	25° 6	21°49	10°38	3°37	6°23	6°25	6° 8	1°56	S 12
M13	9 54 49	0♓25'12	22°21	1♓41	12°59	18°50	29°48	25° 2	21°52	10°39	3°37	6°15	6°22	6°14	1°57	M13
T 14	9 58 45	1°25'17	5♏ 3	3°35	14°13	19° 7	0♓ 2	24°58	21°55	10°40	3°37	6°11	6°19	6°21	1°58	T 14
W15	10 2 42	2°25'21	17°59	5°31	15°28	19°25	0°17	24°54	21°58	10°40	3°37	6° 8	6°16	6°28	1°59	W15
T 16	10 6 38	3°25'23	1♐13	7°27	16°42	19°43	0°31	24°50	22° 0	10°41	3°37	6° 8	6°12	6°35	2° 0	T 16
F 17	10 10 35	4°25'24	14°49	9°24	17°57	20° 2	0°46	24°45	22° 3	10°42	3°37	6° 8	6° 9	6°41	2° 1	F 17
S 18	10 14 32	5°25'23	28°48	11°21	19°12	20°20	1° 0	24°41	22° 6	10°42	3°38	6° 7	6° 6	6°48	2° 2	S 18
S 19	10 18 28	6°25'21	13♋11	13°18	20°26	20°40	1°15	24°37	22° 9	10°43	3°38	6° 4	6° 3	6°55	2° 3	S 19
M20	10 22 25	7°25'16	27°55	15°16	21°41	20°59	1°29	24°33	22°12	10°43	3°38	5°58	6° 0	7° 1	2° 5	M20
T 21	10 26 21	8°25'10	12♒56	17°13	22°55	21°19	1°44	24°28	22°14	10°44	3°38	5°49	5°57	7° 8	2° 6	T 21
W22	10 30 18	9°25'02	28° 4	19°10	24°10	21°39	1°58	24°24	22°17	10°44	3°38	5°39	5°53	7°15	2° 7	W22
T 23	10 34 14	10°24'52	13♓11	21° 5	25°24	22° 0	2°13	24°19	22°20	10°45	3°39	5°27	5°50	7°21	2° 9	T 23
F 24	10 38 11	11°24'40	28° 5	23° 0	26°39	22°21	2°27	24°15	22°22	10°45	3°39	5°16	5°47	7°28	2°11	F 24
S 25	10 42 7	12°24'26	12♈37	24°54	27°53	22°42	2°41	24°10	22°25	10°46	3°39	5° 6	5°44	7°35	2°12	S 25
S 26	10 46 4	13°24'10	26°42	26°45	29° 8	23° 4	2°56	24° 6	22°27	10°46	3°40	4°59	5°41	7°42	2°14	S 26
M27	10 50 1	14°23'51	10♉18	28°34	0♓22	23°26	3°10	24° 1	22°30	10°46	3°40	4°55	5°38	7°48	2°16	M27
T 28	10 53 57	15°23'30	23°25	0♈20	1°37	23°48	3°24	23°57	22°32	10°46	3°40	4°53	5°34	7°55	2°18	T 28
W29	10 57 54	16♓23'07	6♊ 7	2♈ 3	2♓51	24♊11	3♓39	23♍52	22♋35	10♐47	3♊41	4°D52	5♐31	8♌ 2	2♊20	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s24	20n36	0n55	19s50	2s 4	21s11	0s34	25n46	2n59	13s29	0s57	4n 0	2n31	22s20	0s29	20s40	1n28	11n14	9s54	21s44	21s35	14n53	16n49	3s54
T 2	15 5	21 52	0s10	19 22	2 5	20 58	0 36	25 46	2 58	13 24	0 57	4 1	2 31	22 19	0 29	20 40	1 28	11 15	9 54	21 44	21 34	14 51	16 49	3 54
F 3	14 46	22 5	1 14	18 53	2 5	20 45	0 38	25 47	2 57	13 19	0 57	4 3	2 31	22 19	0 29	20 40	1 28	11 15	9 54	21 44	21 34	14 49	16 49	3 53
S 4	14 26	21 16	2 13	18 22	2 5	20 30	0 40	25 47	2 56	13 14	0 57	4 4	2 31	22 18	0 29	20 40	1 29	11 15	9 53	21 43	21 33	14 47	16 49	3 53
S 5	14 7	19 32	3 6	17 49	2 5	20 16	0 43	25 47	2 55	13 9	0 57	4 6	2 31	22 18	0 29	20 40	1 29	11 15	9 53	21 43	21 33	14 45	16 49	3 53
M 6	13 47	16 58	3 51	17 15	2 4	20 0	0 45	25 48	2 54	13 4	0 57	4 7	2 32	22 18	0 29	20 40	1 29	11 16	9 53	21 41	21 32	14 43	16 50	3 53
T 7	13 27	13 43	4 25	16 39	2 2	19 44	0 47	25 48	2 53	12 59	0 57	4 9	2 32	22 17	0 29	20 40	1 29	11 16	9 53	21 39	21 31	14 41	16 50	3 53
W 8	13 7	9 54	4 49	16 1	2 0	19 27	0 49	25 48	2 52	12 54	0 57	4 11	2 32	22 17	0 29	20 40	1 29	11 16	9 52	21 37	21 31	14 39	16 50	3 52
T 9	12 46	5 42	4 59	15 22	1 57	19 10	0 51	25 49	2 51	12 49	0 57	4 12	2 32	22 16	0 29	20 40	1 29	11 16	9 52	21 35	21 30	14 37	16 50	3 52
F 10	12 26	1 14	4 57	14 42	1 54	18 53	0 53	25 49	2 50	12 44	0 57	4 14	2 32	22 16	0 29	20 40	1 29	11 17	9 52	21 32	21 30	14 35	16 51	3 52
S 11	12 5	3s18	4 40	13 59	1 51	18 34	0 55	25 50	2 49	12 39	0 57	4 16	2 33	22 15	0 29	20 41	1 29	11 17	9 52	21 30	21 29	14 33	16 51	3 52
S 12	11 44	7 46	4 11	13 16	1 47	18 15	0 57	25 50	2 48	12 34	0 57	4 17	2 33	22 15	0 29	20 41	1 29	11 17	9 51	21 28	21 29	14 31	16 51	3 52
M13	11 22	11 58	3 29	12 31	1 42	17 56	0 59	25 51	2 47	12 29	0 57	4 19	2 33	22 14	0 29	20 41	1 29	11 17	9 51	21 27	21 28	14 29	16 52	3 52
T 14	11 1	15 43	2 36	11 44	1 37	17 36	1 1	25 51	2 46	12 24	0 57	4 21	2 33	22 14	0 29	20 41	1 29	11 18	9 51	21 26	21 28	14 27	16 52	3 51
W15	10 40	18 47	1 34	10 56	1 31	17 16	1 2	25 52	2 45	12 19	0 57	4 23	2 33	22 13	0 29	20 41	1 29	11 18	9 51	21 26	21 27	14 25	16 53	3 51
T 16	10 18	20 55	0 26	10 7	1 24	16 55	1 4	25 52	2 44	12 14	0 57	4 24	2 33	22 13	0 29	20 41	1 29	11 18	9 50	21 26	21 27	14 23	16 53	3 51
F 17	9 56	21 55	0n46	9 16	1 17	16 34	1 6	25 52	2 43	12 9	0 57	4 26	2 33	22 13	0 29	20 41	1 29	11 18	9 50	21 26	21 26	14 21	16 53	3 51
S 18	9 34	21 36	1 57	8 25	1 10	16 12	1 7	25 53	2 42	12 4	0 57	4 28	2 34	22 12	0 29	20 41	1 29	11 19	9 50	21 26	21 25	14 19	16 54	3 51
S 19	9 12	19 52	3 2	7 32	1 1	15 50	1 9	25 53	2 41	11 59	0 58	4 30	2 34	22 12	0 29	20 41	1 29	11 19	9 50	21 25	21 25	14 17	16 54	3 50
M20	8 49	16 48	3 57	6 38	0 52	15 27	1 10	25 54	2 40	11 53	0 58	4 32	2 34	22 11	0 29	20 41	1 29	11 19	9 49	21 24	21 24	14 14	16 55	3 50
T 21	8 27	12 35	4 37	5 44	0 43	15 4	1 12	25 54	2 39	11 48	0 58	4 34	2 34	22 11	0 29	20 41	1 29	11 20	9 49	21 22	21 24	14 12	16 55	3 50
W22	8 4	7 32	4 58	4 49	0 33	14 41	1 13	25 54	2 38	11 43	0 58	4 36	2 34	22 10	0 29	20 41	1 29	11 20	9 49	21 21	21 23	14 10	16 56	3 50
T 23	7 42	2 4	4 58	3 54	0 23	14 17	1 14	25 55	2 37	11 38	0 58	4 37	2 34	22 10	0 29	20 41	1 29	11 20	9 49	21 19	21 23	14 8	16 56	3 50
F 24	7 19	3n28	4 37	2 58	0 12	13 52	1 16	25 55	2 36	11 33	0 58	4 39	2 34	22 10	0 29	20 41	1 29	11 20	9 48	21 17	21 22	14 6	16 57	3 49
S 25	6 56	8 40	3 59	2 2	0 0	13 28	1 17	25 55	2 35	11 28	0 58	4 41	2 34	22 9	0 29	20 41	1 29	11 21	9 48	21 15	21 22	14 4	16 57	3 49
S 26	6 33	13 15	3 7	1 7	0n12	13 3	1 18	25 56	2 34	11 23	0 58	4 43	2 35	22 9	0 29	20 41	1 29	11 21	9 48	21 13	21 21	14 2	16 58	3 49
M27	6 10	16 58	2 6	0 12	0 24	12 37	1 19	25 56	2 33	11 18	0 58	4 45	2 35	22 8	0 29	20 41	1 29	11 21	9 48	21 13	21 20	14 0	16 58	3 49
T 28	5 47	19 41	1 0	0n42	0 37	12 12	1 20	25 56	2 32	11 12	0 58	4 47	2 35	22 8	0 29	20 41	1 30	11 22	9 47	21 12	21 20	13 58	16 59	3 49
W29	5s24	21n19	0s 7	1n34	0n49	11s46	1s21	25n56	2n31	11s 7	0s58	4n49	2n35	22s 8	0s29	20s41	1n30	11n22	9s47	21s12	21s19	13n56	16n59	3s49

Julian Day Number = 2143317.5, Delta T = 15m03s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'27, Lahiri = 12°05'27 Julian Calendar 1 Feb. 1156 == Greg. Calendar 8 Feb. 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

MARCH 1156 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 50	17♓22'42	18♊28	3♈43	4♓ 6	24♊34	3♓53	23°R47	22♑37	10♐47	3♊41	4°R52	5♐28	8♌ 8	2♊22	T 1
F 2	11 5 47	18°22'14	0♋34	5°18	5°20	24°57	4° 7	23♍43	22°40	10°47	3°42	4♐52	5°25	8°15	2°24	F 2
S 3	11 9 43	19°21'44	12°29	6°49	6°34	25°21	4°22	23°38	22°42	10°47	3°42	4°49	5°22	8°22	2°26	S 3
S 4	11 13 40	20°21'11	24°20	8°14	7°49	25°44	4°36	23°33	22°44	10°47	3°43	4°45	5°18	8°29	2°28	S 4
M 5	11 17 36	21°20'37	6♌ 9	9°34	9° 3	26° 8	4°50	23°29	22°46	10°47	3°43	4°37	5°15	8°35	2°31	M 5
T 6	11 21 33	22°19'59	18° 2	10°49	10°18	26°33	5° 4	23°24	22°49	10°R47	3°44	4°27	5°12	8°42	2°33	T 6
W 7	11 25 29	23°19'20	0♍ 0	11°57	11°32	26°57	5°18	23°19	22°51	10°47	3°44	4°15	5° 9	8°49	2°36	W 7
T 8	11 29 26	24°18'39	12° 6	12°59	12°46	27°22	5°32	23°15	22°53	10°47	3°45	4° 2	5° 6	8°55	2°38	T 8
F 9	11 33 23	25°17'55	24°21	13°54	14° 1	27°47	5°47	23°10	22°55	10°47	3°45	3°50	5° 3	9° 2	2°41	F 9
S 10	11 37 19	26°17'09	6♎46	14°42	15°15	28°12	6° 1	23° 5	22°57	10°47	3°46	3°38	4°59	9° 9	2°43	S 10
S 11	11 41 16	27°16'21	19°20	15°23	16°29	28°37	6°15	23° 1	22°59	10°47	3°47	3°29	4°56	9°15	2°46	S 11
M12	11 45 12	28°15'31	2♏ 5	15°57	17°44	29° 3	6°29	22°56	23° 1	10°47	3°47	3°22	4°53	9°22	2°49	M12
T 13	11 49 9	29°14'39	15° 1	16°24	18°58	29°29	6°43	22°51	23° 3	10°46	3°48	3°18	4°50	9°29	2°51	T 13
W14	11 53 5	0♈13'46	28° 9	16°44	20°12	29°55	6°56	22°47	23° 5	10°46	3°49	3°D16	4°47	9°36	2°54	W14
T 15	11 57 2	1°12'51	11♐31	16°56	21°27	0♋22	7°10	22°42	23° 7	10°46	3°49	3°16	4°43	9°42	2°57	T 15
F 16	12 0 58	2°11'53	25° 8	17°R 2	22°41	0°48	7°24	22°37	23° 8	10°46	3°50	3°17	4°40	9°49	3° 0	F 16
S 17	12 4 55	3°10'55	9♑ 1	17° 0	23°55	1°15	7°38	22°33	23°10	10°45	3°51	3°R17	4°37	9°56	3° 3	S 17
S 18	12 8 52	4° 9'54	23°12	16°52	25° 9	1°42	7°52	22°28	23°12	10°45	3°52	3°16	4°34	10° 2	3° 6	S 18
M19	12 12 48	5° 8'51	7♒37	16°37	26°24	2° 9	8° 5	22°24	23°13	10°44	3°52	3°12	4°31	10° 9	3°10	M19
T 20	12 16 45	6° 7'47	22°15	16°17	27°38	2°36	8°19	22°19	23°15	10°44	3°53	3° 6	4°28	10°16	3°13	T 20
W21	12 20 41	7° 6'41	7♓ 0	15°51	28°52	3° 4	8°33	22°15	23°17	10°44	3°54	2°58	4°24	10°23	3°16	W21
T 22	12 24 38	8° 5'33	21°44	15°20	0♈ 6	3°31	8°46	22°10	23°18	10°43	3°55	2°49	4°21	10°29	3°19	T 22
F 23	12 28 34	9° 4'23	6♈20	14°46	1°21	3°59	9° 0	22° 6	23°20	10°43	3°56	2°41	4°18	10°36	3°23	F 23
S 24	12 32 31	10° 3'11	20°40	14° 7	2°35	4°27	9°13	22° 2	23°21	10°42	3°56	2°33	4°15	10°43	3°26	S 24
S 25	12 36 27	11° 1'57	4♉38	13°26	3°49	4°56	9°27	21°57	23°22	10°41	3°57	2°28	4°12	10°49	3°30	S 25
M26	12 40 24	12° 0'40	18°12	12°43	5° 3	5°24	9°40	21°53	23°24	10°41	3°58	2°25	4° 9	10°56	3°33	M26
T 27	12 44 21	12°59'22	1♊21	12° 0	6°17	5°52	9°53	21°49	23°25	10°40	3°59	2°D24	4° 5	11° 3	3°37	T 27
W28	12 48 17	13°58'02	14° 6	11°16	7°32	6°21	10° 6	21°45	23°26	10°39	4° 0	2°25	4° 2	11°10	3°40	W28
T 29	12 52 14	14°56'39	26°31	10°32	8°46	6°50	10°20	21°41	23°27	10°39	4° 1	2°26	3°59	11°16	3°44	T 29
F 30	12 56 10	15°55'14	8♋40	9°50	10° 0	7°19	10°33	21°36	23°28	10°38	4° 2	2°27	3°56	11°23	3°48	F 30
S 31	13 0 7	16♈53'47	20♋38	9♈10	11♈14	7♋48	10♓46	21♍32	23♑30	10♐37	4♊ 3	2°R27	3♐53	11♌30	3♊52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 1	21n52	1s11	2n26	1n 2	11s19	1s22	25n56	2n30	11s 2	0s58	4n51	2n35	22s 7	0s29	20s41	1n30	11n22	9s47	21s12	21s19	13n54	17n 0	3s48
F 2	4 37	21 21	2 12	3 15	1 15	10 53	1 23	25 56	2 29	10 57	0 58	4 53	2 35	22 7	0 29	20 41	1 30	11 23	9 47	21 12	21 18	13 52	17 0	3 48
S 3	4 14	19 53	3 5	4 3	1 27	10 26	1 23	25 56	2 28	10 52	0 59	4 55	2 35	22 7	0 29	20 41	1 30	11 23	9 46	21 12	21 18	13 49	17 1	3 48
S 4	3 50	17 34	3 50	4 49	1 40	9 59	1 24	25 56	2 27	10 47	0 59	4 57	2 35	22 6	0 29	20 41	1 30	11 23	9 46	21 11	21 17	13 47	17 2	3 48
M 5	3 27	14 32	4 25	5 32	1 52	9 31	1 25	25 56	2 26	10 42	0 59	4 58	2 35	22 6	0 29	20 41	1 30	11 24	9 46	21 10	21 16	13 45	17 2	3 48
T 6	3 3	10 54	4 49	6 12	2 4	9 3	1 25	25 55	2 25	10 36	0 59	5 0	2 35	22 5	0 29	20 41	1 30	11 24	9 46	21 8	21 16	13 43	17 3	3 48
W 7	2 40	6 50	5 0	6 49	2 15	8 35	1 26	25 55	2 24	10 31	0 59	5 2	2 35	22 5	0 29	20 41	1 30	11 24	9 45	21 5	21 15	13 41	17 3	3 47
T 8	2 16	2 27	4 58	7 23	2 26	8 7	1 26	25 55	2 24	10 26	0 59	5 4	2 35	22 5	0 29	20 41	1 30	11 25	9 45	21 3	21 15	13 39	17 4	3 47
F 9	1 53	2s 4	4 43	7 54	2 36	7 39	1 26	25 54	2 23	10 21	0 59	5 6	2 35	22 5	0 29	20 41	1 30	11 25	9 45	21 1	21 14	13 37	17 5	3 47
S 10	1 29	6 34	4 13	8 22	2 46	7 10	1 27	25 54	2 22	10 16	0 59	5 8	2 35	22 4	0 29	20 41	1 30	11 25	9 45	20 58	21 14	13 35	17 5	3 47
S 11	1 5	10 51	3 31	8 45	2 54	6 41	1 27	25 53	2 21	10 11	0 59	5 10	2 35	22 4	0 30	20 41	1 30	11 26	9 44	20 57	21 13	13 33	17 6	3 47
M12	0 42	14 43	2 38	9 5	3 1	6 12	1 27	25 53	2 20	10 6	0 59	5 12	2 35	22 4	0 30	20 41	1 30	11 26	9 44	20 55	21 12	13 30	17 7	3 47
T 13	0 18	17 56	1 36	9 22	3 8	5 43	1 27	25 52	2 19	10 1	1 0	5 14	2 35	22 3	0 30	20 40	1 30	11 26	9 44	20 55	21 12	13 28	17 7	3 46
W14	0n 5	20 17	0 27	9 34	3 13	5 14	1 27	25 51	2 18	9 56	1 0	5 15	2 35	22 3	0 30	20 40	1 30	11 27	9 44	20 54	21 11	13 26	17 8	3 46
T 15	0 29	21 32	0n44	9 42	3 16	4 45	1 27	25 50	2 17	9 51	1 0	5 17	2 35	22 3	0 30	20 40	1 30	11 27	9 43	20 54	21 11	13 24	17 9	3 46
F 16	0 53	21 34	1 54	9 47	3 19	4 15	1 27	25 49	2 16	9 45	1 0	5 19	2 35	22 2	0 30	20 40	1 30	11 27	9 43	20 54	21 10	13 22	17 9	3 46
S 17	1 16	20 16	2 59	9 47	3 20	3 45	1 27	25 48	2 16	9 40	1 0	5 21	2 35	22 2	0 30	20 40	1 30	11 28	9 43	20 54	21 10	13 20	17 10	3 46
S 18	1 40	17 42	3 54	9 43	3 19	3 16	1 27	25 47	2 15	9 35	1 0	5 23	2 35	22 2	0 30	20 40	1 30	11 28	9 43	20 54	21 9	13 18	17 11	3 46
M19	2 3	14 0	4 35	9 36	3 17	2 46	1 26	25 46	2 14	9 30	1 0	5 24	2 35	22 2	0 30	20 40	1 30	11 28	9 43	20 53	21 8	13 16	17 12	3 46
T 20	2 27	9 26	5 0	9 24	3 14	2 16	1 26	25 44	2 13	9 25	1 0	5 26	2 35	22 1	0 30	20 40	1 30	11 29	9 42	20 52	21 8	13 14	17 12	3 45
W21	2 50	4 16	5 4	9 10	3 8	1 46	1 26	25 43	2 12	9 20	1 1	5 28	2 35	22 1	0 30	20 40	1 30	11 29	9 42	20 51	21 7	13 11	17 13	3 45
T 22	3 13	1n 8	4 49	8 51	3 2	1 16	1 25	25 41	2 11	9 15	1 1	5 30	2 35	22 1	0 30	20 40	1 31	11 30	9 42	20 49	21 7	13 9	17 14	3 45
F 23	3 37	6 25	4 15	8 30	2 53	0 45	1 25	25 40	2 10	9 10	1 1	5 31	2 35	22 1	0 30	20 40	1 31	11 30	9 42	20 47	21 6	13 7	17 15	3 45
S 24	4 0	11 16	3 25	8 6	2 44	0 15	1 24	25 38	2 10	9 5	1 1	5 33	2 35	22 1	0 30	20 39	1 31	11 30	9 42	20 46	21 5	13 5	17 15	3 45
S 25	4 23	15 23	2 24	7 40	2 32	0n15	1 23	25 36	2 9	9 0	1 1	5 35	2 35	22 0	0 30	20 39	1 31	11 31	9 41	20 45	21 5	13 3	17 16	3 45
M26	4 46	18 32	1 16	7 12	2 20	0 45	1 23	25 34	2 8	8 55	1 1	5 36	2 35	22 0	0 30	20 39	1 31	11 31	9 41	20 44	21 4	13 1	17 17	3 45
T 27	5 9	20 37	0 6	6 42	2 6	1 15	1 22	25 32	2 7	8 51	1 1	5 38	2 35	22 0	0 30	20 39	1 31	11 31	9 41	20 44	21 4	12 59	17 18	3 44
W28	5 32	21 33	1s 3	6 11	1 52	1 46	1 21	25 30	2 6	8 46	1 1	5 40	2 35	22 0	0 30	20 39	1 31	11 32	9 41	20 44	21 3	12 57	17 19	3 44
T 29	5 55	21 24	2 6	5 40	1 37	2 16	1 20	25 28	2 6	8 41	1 2	5 41	2 35	22 0	0 30	20 39	1 31	11 32	9 40	20 44	21 2	12 54	17 19	3 44
F 30	6 17	20 13	3 3	5 9	1 21	2 46	1 19	25 25	2 5	8 36	1 2	5 43	2 35	21 59	0 30	20 39	1 31	11 32	9 40	20 45	21 2	12 52	17 20	3 44
S 31	6n40	18n 9	3s51	4n38	1n 4	3n16	1s18	25n23	2n 4	8s31	1s 2	5n44	2n35	21s59	0s30	20s38	1n31	11n33	9s40	20s45	21s 1	12n50	17n21	3s44

Julian Day Number = 2143346.5, Delta T = 15m02s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'31, Lahiri = 12°05'31 Julian Calendar 1 March 1156 == Greg. Calendar 8 March 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

APRIL 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 3	17♈52'17	2♌31	8°R33	12♈28	8♋18	10♓59	21°R28	23♑31	10°R36	4♊ 4	2°R26	3♐49	11♌36	3♊55	S 1
M 2	13 8 0	18°50'45	14°22	7♈59	13°42	8°47	11°12	21♍25	23°32	10♐36	4° 5	2♐23	3°46	11°43	3°59	M 2
T 3	13 11 56	19°49'12	26°17	7°29	14°56	9°17	11°25	21°21	23°32	10°35	4° 6	2°18	3°43	11°50	4° 3	T 3
W 4	13 15 53	20°47'36	8♍20	7° 3	16°10	9°47	11°37	21°17	23°33	10°34	4° 7	2°11	3°40	11°57	4° 7	W 4
T 5	13 19 49	21°45'57	20°32	6°41	17°24	10°16	11°50	21°13	23°34	10°33	4° 8	2° 4	3°37	12° 3	4°11	T 5
F 6	13 23 46	22°44'17	2♎57	6°24	18°38	10°46	12° 3	21°10	23°35	10°32	4° 9	1°57	3°34	12°10	4°15	F 6
S 7	13 27 43	23°42'35	15°36	6°12	19°52	11°17	12°15	21° 6	23°36	10°31	4°10	1°51	3°30	12°17	4°19	S 7
S 8	13 31 39	24°40'51	28°28	6° 5	21° 6	11°47	12°28	21° 3	23°36	10°30	4°11	1°45	3°27	12°23	4°23	S 8
M 9	13 35 36	25°39'05	11♏33	6°D 3	22°20	12°17	12°40	20°59	23°37	10°29	4°13	1°42	3°24	12°30	4°28	M 9
T 10	13 39 32	26°37'18	24°51	6° 6	23°34	12°48	12°53	20°56	23°38	10°28	4°14	1°40	3°21	12°37	4°32	T 10
W11	13 43 29	27°35'29	8♐21	6°13	24°48	13°19	13° 5	20°52	23°38	10°27	4°15	1°D40	3°18	12°44	4°36	W11
T 12	13 47 25	28°33'38	22° 2	6°25	26° 2	13°49	13°17	20°49	23°39	10°26	4°16	1°41	3°14	12°50	4°40	T 12
F 13	13 51 22	29°31'46	5♑53	6°42	27°16	14°20	13°30	20°46	23°39	10°25	4°17	1°43	3°11	12°57	4°45	F 13
S 14	13 55 18	0♉29'53	19°53	7° 4	28°30	14°51	13°42	20°43	23°39	10°24	4°18	1°44	3° 8	13° 4	4°49	S 14
S 15	13 59 15	1°27'58	4♒ 1	7°29	29°44	15°22	13°54	20°40	23°40	10°23	4°19	1°R45	3° 5	13°10	4°53	S 15
M16	14 3 12	2°26'01	18°17	7°59	0♉58	15°54	14° 6	20°37	23°40	10°21	4°21	1°44	3° 2	13°17	4°58	M16
T 17	14 7 8	3°24'03	2♓36	8°34	2°12	16°25	14°17	20°34	23°40	10°20	4°22	1°41	2°59	13°24	5° 2	T 17
W18	14 11 5	4°22'04	16°56	9°12	3°26	16°56	14°29	20°32	23°40	10°19	4°23	1°38	2°55	13°31	5° 7	W18
T 19	14 15 1	5°20'03	1♈12	9°54	4°40	17°28	14°41	20°29	23°41	10°18	4°24	1°35	2°52	13°37	5°11	T 19
F 20	14 18 58	6°18'01	15°20	10°39	5°54	18° 0	14°53	20°26	23°41	10°16	4°26	1°31	2°49	13°44	5°16	F 20
S 21	14 22 54	7°15'57	29°15	11°28	7° 8	18°31	15° 4	20°24	23°R41	10°15	4°27	1°28	2°46	13°51	5°20	S 21
S 22	14 26 51	8°13'52	12♉55	12°20	8°22	19° 3	15°15	20°21	23°41	10°14	4°28	1°26	2°43	13°57	5°25	S 22
M23	14 30 47	9°11'46	26°15	13°16	9°36	19°35	15°27	20°19	23°41	10°13	4°29	1°D25	2°40	14° 4	5°30	M23
T 24	14 34 44	10° 9'38	9♊16	14°15	10°49	20° 7	15°38	20°17	23°41	10°11	4°31	1°25	2°36	14°11	5°34	T 24
W25	14 38 41	11° 7'28	21°57	15°16	12° 3	20°39	15°49	20°15	23°40	10°10	4°32	1°26	2°33	14°18	5°39	W25
T 26	14 42 37	12° 5'16	4♋22	16°21	13°17	21°12	16° 0	20°13	23°40	10° 9	4°33	1°27	2°30	14°24	5°44	T 26
F 27	14 46 34	13° 3'03	16°32	17°29	14°31	21°44	16°11	20°11	23°40	10° 7	4°35	1°29	2°27	14°31	5°48	F 27
S 28	14 50 30	14° 0'48	28°32	18°39	15°45	22°17	16°22	20° 9	23°40	10° 6	4°36	1°30	2°24	14°38	5°53	S 28
S 29	14 54 27	14°58'31	10♌26	19°52	16°59	22°49	16°33	20° 7	23°39	10° 4	4°37	1°R30	2°20	14°44	5°58	S 29
M30	14 58 23	15♉56'13	22♌19	21♈ 8	18♉12	23♋22	16♓43	20♍ 6	23♑39	10♐ 3	4♊38	1♐30	2♐17	14♌51	6♊ 3	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 3	15n20	4s28	4n 8	0n48	3n46	1s17	25n20	2n 3	8s26	1s 2	5n46	2n35	21s59	0s30	20s38	1n31	11n33	9s40	20s44	21s 1	12n48	17n22	3s44
M 2	7 25	11 54	4 54	3 39	0 31	4 16	1 16	25 17	2 2	8 21	1 2	5 47	2 35	21 59	0 30	20 38	1 31	11 34	9 40	20 44	21 0	12 46	17 23	3 44
T 3	7 47	7 59	5 7	3 12	0 14	4 46	1 15	25 15	2 2	8 17	1 2	5 49	2 34	21 59	0 30	20 38	1 31	11 34	9 40	20 43	20 59	12 44	17 23	3 44
W 4	8 9	3 44	5 7	2 46	0s 2	5 15	1 14	25 12	2 1	8 12	1 3	5 50	2 34	21 59	0 30	20 38	1 31	11 34	9 39	20 42	20 59	12 42	17 24	3 44
T 5	8 31	0s44	4 53	2 23	0 18	5 45	1 12	25 9	2 0	8 7	1 3	5 51	2 34	21 59	0 30	20 38	1 31	11 35	9 39	20 40	20 58	12 39	17 25	3 44
F 6	8 53	5 14	4 25	2 2	0 34	6 15	1 11	25 5	1 59	8 2	1 3	5 53	2 34	21 59	0 30	20 38	1 31	11 35	9 39	20 39	20 58	12 37	17 26	3 43
S 7	9 15	9 36	3 44	1 43	0 49	6 44	1 10	25 2	1 58	7 58	1 3	5 54	2 34	21 58	0 30	20 37	1 31	11 35	9 39	20 37	20 57	12 35	17 27	3 43
S 8	9 36	13 38	2 51	1 27	1 4	7 13	1 8	24 59	1 58	7 53	1 3	5 55	2 34	21 58	0 30	20 37	1 31	11 36	9 39	20 36	20 56	12 33	17 27	3 43
M 9	9 58	17 4	1 47	1 14	1 17	7 42	1 7	24 55	1 57	7 48	1 3	5 57	2 34	21 58	0 30	20 37	1 31	11 36	9 38	20 36	20 56	12 31	17 28	3 43
T 10	10 19	19 40	0 37	1 3	1 30	8 11	1 5	24 51	1 56	7 44	1 3	5 58	2 34	21 58	0 30	20 37	1 31	11 36	9 38	20 35	20 55	12 29	17 29	3 43
W11	10 40	21 12	0n36	0 55	1 43	8 40	1 3	24 48	1 55	7 39	1 4	5 59	2 34	21 58	0 30	20 37	1 31	11 37	9 38	20 35	20 55	12 26	17 30	3 43
T 12	11 1	21 30	1 49	0 49	1 54	9 9	1 2	24 44	1 55	7 35	1 4	6 0	2 33	21 58	0 31	20 36	1 31	11 37	9 38	20 36	20 54	12 24	17 31	3 43
F 13	11 21	20 29	2 56	0 46	2 5	9 37	1 0	24 40	1 54	7 30	1 4	6 1	2 33	21 58	0 31	20 36	1 31	11 38	9 38	20 36	20 53	12 22	17 32	3 43
S 14	11 42	18 13	3 53	0 45	2 15	10 5	0 58	24 35	1 53	7 26	1 4	6 2	2 33	21 58	0 31	20 36	1 31	11 38	9 38	20 36	20 53	12 20	17 32	3 43
S 15	12 2	14 51	4 37	0 47	2 24	10 33	0 57	24 31	1 52	7 21	1 4	6 3	2 33	21 58	0 31	20 36	1 31	11 38	9 37	20 36	20 52	12 18	17 33	3 43
M16	12 22	10 35	5 4	0 52	2 32	11 1	0 55	24 27	1 52	7 17	1 5	6 4	2 33	21 58	0 31	20 36	1 31	11 39	9 37	20 36	20 52	12 16	17 34	3 43
T 17	12 42	5 44	5 13	0 59	2 39	11 28	0 53	24 22	1 51	7 12	1 5	6 5	2 33	21 58	0 31	20 36	1 31	11 39	9 37	20 36	20 51	12 14	17 35	3 43
W18	13 2	0 33	5 2	1 8	2 45	11 55	0 51	24 17	1 50	7 8	1 5	6 6	2 33	21 58	0 31	20 35	1 31	11 39	9 37	20 35	20 50	12 11	17 36	3 43
T 19	13 22	4n38	4 32	1 19	2 51	12 22	0 49	24 13	1 49	7 4	1 5	6 7	2 32	21 58	0 31	20 35	1 31	11 40	9 37	20 34	20 50	12 9	17 37	3 43
F 20	13 41	9 32	3 46	1 32	2 56	12 48	0 47	24 8	1 49	6 59	1 5	6 8	2 32	21 58	0 31	20 35	1 31	11 40	9 37	20 33	20 49	12 7	17 37	3 43
S 21	14 0	13 52	2 48	1 48	3 0	13 15	0 45	24 3	1 48	6 55	1 5	6 9	2 32	21 58	0 31	20 35	1 31	11 40	9 37	20 33	20 48	12 5	17 38	3 43
S 22	14 19	17 22	1 40	2 5	3 4	13 41	0 43	23 57	1 47	6 51	1 6	6 10	2 32	21 58	0 31	20 35	1 31	11 41	9 36	20 32	20 48	12 3	17 39	3 43
M23	14 37	19 52	0 28	2 24	3 6	14 6	0 41	23 52	1 47	6 46	1 6	6 10	2 32	21 58	0 31	20 34	1 32	11 41	9 36	20 32	20 47	12 1	17 40	3 43
T 24	14 56	21 14	0s43	2 45	3 8	14 31	0 39	23 47	1 46	6 42	1 6	6 11	2 31	21 58	0 31	20 34	1 32	11 41	9 36	20 32	20 47	11 58	17 41	3 42
W25	15 14	21 27	1 51	3 8	3 9	14 56	0 37	23 41	1 45	6 38	1 6	6 12	2 31	21 58	0 31	20 34	1 32	11 42	9 36	20 32	20 46	11 56	17 42	3 42
T 26	15 32	20 37	2 52	3 32	3 10	15 21	0 35	23 35	1 44	6 34	1 6	6 12	2 31	21 58	0 31	20 34	1 32	11 42	9 36	20 33	20 45	11 54	17 42	3 42
F 27	15 50	18 49	3 44	3 59	3 9	15 45	0 32	23 29	1 44	6 30	1 7	6 13	2 31	21 58	0 31	20 33	1 32	11 42	9 36	20 33	20 45	11 52	17 43	3 42
S 28	16 7	16 13	4 25	4 26	3 9	16 9	0 30	23 23	1 43	6 26	1 7	6 14	2 31	21 58	0 31	20 33	1 32	11 43	9 36	20 33	20 44	11 50	17 44	3 42
S 29	16 24	12 58	4 55	4 55	3 7	16 32	0 28	23 17	1 42	6 22	1 7	6 14	2 31	21 59	0 31	20 33	1 32	11 43	9 36	20 33	20 43	11 47	17 45	3 42
M30	16n41	9n13	5s12	5n26	3s 5	16n55	0s26	23n11	1n42	6s18	1s 7	6n15	2n30	21s59	0s31	20s33	1n32	11n43	9s36	20s33	20s43	11n45	17n46	3s42

Julian Day Number = 2143377.5, Delta T = 15m02s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'35, Lahiri = 12°05'35 Julian Calendar 1 Apr. 1156 == Greg. Calendar 8 Apr. 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

MAY 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 20	16♉53'53	4♍16	22♈26	19♉26	23♋54	16♓54	20°R 4	23°R38	10°R 1	4♊40	1°R30	2♐14	14♎58	6♊ 7	T 1
W 2	15 6 16	17°51'32	16°20	23°47	20°40	24°27	17° 4	20♍ 3	23♑38	10♐ 0	4°41	1♐28	2°11	15° 5	6°12	W 2
T 3	15 10 13	18°49'09	28°36	25°10	21°54	25° 0	17°14	20° 1	23°37	9°59	4°42	1°27	2° 8	15°11	6°17	T 3
F 4	15 14 10	19°46'44	11♎ 8	26°36	23° 8	25°33	17°25	20° 0	23°37	9°57	4°44	1°25	2° 5	15°18	6°22	F 4
S 5	15 18 6	20°44'18	23°56	28° 4	24°21	26° 6	17°35	19°59	23°36	9°56	4°45	1°24	2° 1	15°25	6°27	S 5
S 6	15 22 3	21°41'51	7♏ 3	29°35	25°35	26°39	17°45	19°58	23°35	9°54	4°46	1°23	1°58	15°31	6°32	S 6
M 7	15 25 59	22°39'22	20°28	1♑ 8	26°49	27°13	17°55	19°57	23°35	9°53	4°48	1°22	1°55	15°38	6°37	M 7
T 8	15 29 56	23°36'52	4♐10	2°43	28° 3	27°46	18° 4	19°56	23°34	9°51	4°49	1°D22	1°52	15°45	6°42	T 8
W 9	15 33 52	24°34'22	18° 6	4°21	29°16	28°19	18°14	19°55	23°33	9°49	4°51	1°22	1°49	15°52	6°47	W 9
T 10	15 37 49	25°31'50	2♑13	6° 1	0♊30	28°53	18°23	19°55	23°32	9°48	4°52	1°22	1°46	15°58	6°52	T 10
F 11	15 41 45	26°29'17	16°28	7°44	1°44	29°26	18°33	19°54	23°31	9°46	4°53	1°23	1°42	16° 5	6°57	F 11
S 12	15 45 42	27°26'44	0♒46	9°29	2°57	29°59	18°42	19°54	23°30	9°45	4°55	1°23	1°39	16°12	7° 2	S 12
S 13	15 49 39	28°24'10	15° 5	11°16	4°11	0♎33	18°51	19°53	23°29	9°43	4°56	1°24	1°36	16°18	7° 7	S 13
M14	15 53 35	29°21'35	29°20	13° 6	5°25	1° 7	19° 0	19°53	23°28	9°42	4°57	1°R24	1°33	16°25	7°12	M14
T 15	15 57 32	0♊18'59	13♓30	14°58	6°38	1°41	19° 9	19°53	23°27	9°40	4°59	1°24	1°30	16°32	7°17	T 15
W16	16 1 28	1°16'23	27°32	16°52	7°52	2°15	19°18	19°D53	23°26	9°38	5° 0	1°D24	1°26	16°39	7°22	W16
T 17	16 5 25	2°13'46	11♈24	18°49	9° 6	2°49	19°27	19°53	23°25	9°37	5° 2	1°24	1°23	16°45	7°27	T 17
F 18	16 9 21	3°11'08	25° 5	20°47	10°20	3°23	19°35	19°53	23°24	9°35	5° 3	1°24	1°20	16°52	7°32	F 18
S 19	16 13 18	4° 8'30	8♉34	22°48	11°33	3°57	19°43	19°53	23°22	9°34	5° 4	1°24	1°17	16°59	7°37	S 19
S 20	16 17 14	5° 5'51	21°48	24°51	12°47	4°31	19°52	19°53	23°21	9°32	5° 6	1°24	1°14	17° 5	7°42	S 20
M21	16 21 11	6° 3'11	4♊48	26°55	14° 1	5° 5	20° 0	19°54	23°20	9°30	5° 7	1°R24	1°11	17°12	7°47	M21
T 22	16 25 8	7° 0'31	17°34	29° 1	15°14	5°40	20° 8	19°54	23°18	9°29	5° 9	1°24	1° 7	17°19	7°52	T 22
W23	16 29 4	7°57'50	0♋ 5	1♊ 9	16°28	6°14	20°16	19°55	23°17	9°27	5°10	1°24	1° 4	17°26	7°57	W23
T 24	16 33 1	8°55'08	12°24	3°18	17°41	6°49	20°23	19°56	23°15	9°26	5°11	1°23	1° 1	17°32	8° 2	T 24
F 25	16 36 57	9°52'26	24°31	5°28	18°55	7°23	20°31	19°57	23°14	9°24	5°13	1°22	0°58	17°39	8° 7	F 25
S 26	16 40 54	10°49'42	6♎30	7°39	20° 9	7°58	20°38	19°58	23°12	9°22	5°14	1°20	0°55	17°46	8°12	S 26
S 27	16 44 50	11°46'58	18°24	9°50	21°22	8°32	20°45	19°59	23°11	9°21	5°16	1°19	0°52	17°53	8°17	S 27
M28	16 48 47	12°44'12	0♍17	12° 2	22°36	9° 7	20°53	20° 0	23° 9	9°19	5°17	1°18	0°48	17°59	8°22	M28
T 29	16 52 43	13°41'26	12°13	14°14	23°50	9°42	20°59	20° 1	23° 8	9°17	5°18	1°D18	0°45	18° 6	8°27	T 29
W30	16 56 40	14°38'39	24°16	16°25	25° 3	10°17	21° 6	20° 2	23° 6	9°16	5°20	1°18	0°42	18°13	8°32	W30
T 31	17 0 37	15♊35'52	6♎32	18♊36	26♊17	10♎52	21♓13	20♍ 4	23♑ 4	9♐14	5♊21	1♐19	0♐39	18♎19	8♊38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n58	5n 5	5s15	5n57	3s 2	17n17	0s24	23n 5	1n41	6s14	1s 8	6n15	2n30	21s59	0s31	20s33	1n32	11n44	9s35	20s33	20s42	11n43	17n47	3s42
W 2	17 14	0 44	5 5	6 30	2 58	17 40	0 21	22 58	1 40	6 10	1 8	6 15	2 30	21 59	0 31	20 32	1 32	11 44	9 35	20 33	20 42	11 41	17 47	3 42
T 3	17 30	3s44	4 41	7 5	2 54	18 1	0 19	22 52	1 40	6 6	1 8	6 16	2 30	21 59	0 31	20 32	1 32	11 44	9 35	20 33	20 41	11 39	17 48	3 42
F 4	17 46	8 9	4 3	7 40	2 50	18 22	0 17	22 45	1 39	6 2	1 8	6 16	2 30	21 59	0 31	20 32	1 32	11 45	9 35	20 32	20 40	11 37	17 49	3 42
S 5	18 1	12 18	3 13	8 16	2 44	18 43	0 14	22 38	1 38	5 59	1 8	6 16	2 29	21 59	0 31	20 32	1 32	11 45	9 35	20 32	20 40	11 34	17 50	3 42
S 6	18 16	15 59	2 11	8 54	2 39	19 3	0 12	22 31	1 37	5 55	1 9	6 17	2 29	21 59	0 31	20 31	1 32	11 45	9 35	20 32	20 39	11 32	17 51	3 42
M 7	18 31	18 55	1 0	9 32	2 32	19 23	0 10	22 24	1 37	5 51	1 9	6 17	2 29	22 0	0 31	20 31	1 32	11 46	9 35	20 32	20 38	11 30	17 51	3 42
T 8	18 46	20 49	0n16	10 12	2 26	19 42	0 7	22 16	1 36	5 48	1 9	6 17	2 29	22 0	0 31	20 31	1 32	11 46	9 35	20 32	20 38	11 28	17 52	3 43
W 9	19 0	21 30	1 31	10 52	2 18	20 0	0 5	22 9	1 35	5 44	1 9	6 17	2 29	22 0	0 31	20 31	1 32	11 46	9 35	20 32	20 37	11 26	17 53	3 43
T 10	19 14	20 49	2 43	11 32	2 10	20 19	0 2	22 1	1 35	5 41	1 10	6 17	2 28	22 0	0 31	20 30	1 32	11 47	9 35	20 32	20 36	11 23	17 54	3 43
F 11	19 27	18 49	3 45	12 14	2 2	20 36	0n 0	21 54	1 34	5 37	1 10	6 17	2 28	22 0	0 31	20 30	1 32	11 47	9 35	20 32	20 36	11 21	17 55	3 43
S 12	19 41	15 38	4 33	12 55	1 54	20 53	0 2	21 46	1 33	5 34	1 10	6 17	2 28	22 0	0 31	20 30	1 32	11 47	9 34	20 32	20 35	11 19	17 55	3 43
S 13	19 54	11 32	5 4	13 37	1 44	21 9	0 5	21 38	1 33	5 30	1 10	6 17	2 28	22 1	0 32	20 30	1 32	11 48	9 34	20 32	20 34	11 17	17 56	3 43
M14	20 6	6 48	5 17	14 20	1 35	21 25	0 7	21 30	1 32	5 27	1 11	6 17	2 28	22 1	0 32	20 30	1 32	11 48	9 34	20 32	20 34	11 15	17 57	3 43
T 15	20 19	1 45	5 10	15 3	1 25	21 40	0 10	21 22	1 31	5 24	1 11	6 17	2 27	22 1	0 32	20 29	1 32	11 48	9 34	20 32	20 33	11 12	17 58	3 43
W16	20 30	3n22	4 45	15 45	1 15	21 55	0 12	21 13	1 31	5 21	1 11	6 17	2 27	22 1	0 32	20 29	1 32	11 49	9 34	20 32	20 33	11 10	17 58	3 43
T 17	20 42	8 15	4 3	16 28	1 5	22 9	0 14	21 5	1 30	5 17	1 11	6 17	2 27	22 2	0 32	20 29	1 32	11 49	9 34	20 32	20 32	11 8	17 59	3 43
F 18	20 53	12 40	3 8	17 10	0 54	22 22	0 17	20 56	1 29	5 14	1 12	6 16	2 27	22 2	0 32	20 29	1 32	11 49	9 34	20 32	20 31	11 6	18 0	3 43
S 19	21 4	16 22	2 3	17 51	0 43	22 35	0 19	20 47	1 29	5 11	1 12	6 16	2 26	22 2	0 32	20 28	1 32	11 49	9 34	20 32	20 31	11 4	18 1	3 43
S 20	21 15	19 9	0 53	18 32	0 32	22 47	0 21	20 39	1 28	5 8	1 12	6 16	2 26	22 2	0 32	20 28	1 32	11 50	9 34	20 32	20 30	11 1	18 1	3 43
M21	21 25	20 53	0s19	19 13	0 21	22 59	0 24	20 30	1 27	5 5	1 12	6 15	2 26	22 3	0 32	20 28	1 32	11 50	9 34	20 32	20 29	10 59	18 2	3 43
T 22	21 35	21 30	1 28	19 52	0 11	23 10	0 26	20 20	1 27	5 2	1 13	6 15	2 26	22 3	0 32	20 28	1 32	11 50	9 34	20 32	20 29	10 57	18 3	3 43
W23	21 44	21 1	2 32	20 29	0n 0	23 20	0 28	20 11	1 26	4 59	1 13	6 14	2 26	22 3	0 32	20 27	1 32	11 50	9 34	20 32	20 28	10 55	18 3	3 43
T 24	21 53	19 31	3 28	21 5	0 11	23 29	0 31	20 2	1 25	4 57	1 13	6 14	2 25	22 3	0 32	20 27	1 32	11 51	9 34	20 32	20 27	10 53	18 4	3 43
F 25	22 2	17 9	4 13	21 40	0 21	23 38	0 33	19 52	1 25	4 54	1 13	6 13	2 25	22 4	0 32	20 27	1 32	11 51	9 34	20 32	20 27	10 50	18 5	3 44
S 26	22 10	14 6	4 47	22 12	0 32	23 46	0 35	19 43	1 24	4 51	1 14	6 13	2 25	22 4	0 32	20 27	1 32	11 51	9 34	20 31	20 26	10 48	18 6	3 44
S 27	22 18	10 29	5 8	22 43	0 42	23 53	0 38	19 33	1 23	4 49	1 14	6 12	2 25	22 4	0 32	20 26	1 32	11 51	9 34	20 31	20 25	10 46	18 6	3 44
M28	22 26	6 29	5 16	23 11	0 51	24 0	0 40	19 23	1 23	4 46	1 14	6 11	2 25	22 5	0 32	20 26	1 32	11 52	9 34	20 31	20 25	10 44	18 7	3 44
T 29	22 33	2 14	5 11	23 36	1 0	24 6	0 42	19 13	1 22	4 44	1 14	6 11	2 24	22 5	0 32	20 26	1 32	11 52	9 34	20 31	20 24	10 42	18 8	3 44
W30	22 40	2s10	4 51	23 59	1 8	24 11	0 44	19 3	1 22	4 41	1 15	6 10	2 24	22 5	0 32	20 26	1 32	11 52	9 34	20 31	20 23	10 39	18 8	3 44
T 31	22n46	6s34	4s19	24n19	1n16	24n16	0n46	18n53	1n21	4s39	1s15	6n 9	2n24	22s 5	0s32	20s25	1n32	11n52	9s34	20s31	20s23	10n37	18n 9	3s44

Julian Day Number = 2143407.5, Delta T = 15m02s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'39, Lahiri = 12°05'39 Julian Calendar 1 May 1156 == Greg. Calendar 8 May 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

JUNE 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 4 33	16♊33'03	19♎ 4	20♊46	27♊30	11♌27	21♓19	20♍ 5	23°R 2	9°R13	5♊22	1♐20	0♐36	18♌26	8♊43	F 1
S 2	17 8 30	17°30'15	1♏56	22°56	28°44	12° 2	21°26	20° 7	23♑ 1	9♐11	5°24	1°22	0°32	18°33	8°48	S 2
S 3	17 12 26	18°27'25	15°11	25° 4	29°58	12°37	21°32	20° 9	22°59	9° 9	5°25	1°23	0°29	18°40	8°53	S 3
M 4	17 16 23	19°24'35	28°49	27°10	1♋11	13°12	21°38	20°11	22°57	9° 8	5°26	1°R23	0°26	18°46	8°58	M 4
T 5	17 20 19	20°21'45	12♐50	29°15	2°25	13°47	21°44	20°13	22°55	9° 6	5°28	1°23	0°23	18°53	9° 3	T 5
W 6	17 24 16	21°18'54	27° 9	1♋18	3°38	14°23	21°49	20°15	22°53	9° 5	5°29	1°22	0°20	19° 0	9° 8	W 6
T 7	17 28 12	22°16'04	11♑44	3°20	4°52	14°58	21°55	20°17	22°51	9° 3	5°31	1°19	0°17	19° 6	9°13	T 7
F 8	17 32 9	23°13'13	26°26	5°20	6° 5	15°33	22° 0	20°19	22°49	9° 2	5°32	1°17	0°13	19°13	9°18	F 8
S 9	17 36 6	24°10'22	11♒ 9	7°18	7°19	16° 9	22° 5	20°21	22°47	9° 0	5°33	1°14	0°10	19°20	9°23	S 9
S 10	17 40 2	25° 7'31	25°46	9°13	8°32	16°44	22°10	20°24	22°45	8°58	5°35	1°11	0° 7	19°27	9°28	S 10
M11	17 43 59	26° 4'40	10♓12	11° 7	9°46	17°20	22°15	20°26	22°43	8°57	5°36	1°10	0° 4	19°33	9°33	M11
T 12	17 47 55	27° 1'49	24°23	12°59	10°59	17°55	22°20	20°29	22°41	8°55	5°37	1°D 9	0° 1	19°40	9°37	T 12
W13	17 51 52	27°58'59	8♈18	14°49	12°13	18°31	22°25	20°31	22°39	8°54	5°38	1° 9	29♏58	19°47	9°42	W13
T 14	17 55 48	28°56'09	21°55	16°36	13°27	19° 7	22°29	20°34	22°37	8°52	5°40	1°10	29°54	19°54	9°47	T 14
F 15	17 59 45	29°53'19	5♉16	18°22	14°40	19°43	22°33	20°37	22°35	8°51	5°41	1°12	29°51	20° 0	9°52	F 15
S 16	18 3 42	0♋50'30	18°22	20° 5	15°54	20°18	22°37	20°40	22°33	8°49	5°42	1°13	29°48	20° 7	9°57	S 16
S 17	18 7 38	1°47'41	1♊14	21°47	17° 7	20°54	22°41	20°43	22°31	8°48	5°44	1°R14	29°45	20°14	10° 2	S 17
M18	18 11 35	2°44'52	13°54	23°26	18°21	21°30	22°44	20°46	22°28	8°46	5°45	1°13	29°42	20°20	10° 7	M18
T 19	18 15 31	3°42'04	26°22	25° 4	19°34	22° 6	22°48	20°49	22°26	8°45	5°46	1°11	29°38	20°27	10°11	T 19
W20	18 19 28	4°39'15	8♋40	26°39	20°48	22°43	22°51	20°53	22°24	8°44	5°47	1° 7	29°35	20°34	10°16	W20
T 21	18 23 24	5°36'27	20°50	28°12	22° 1	23°19	22°54	20°56	22°22	8°42	5°49	1° 2	29°32	20°41	10°21	T 21
F 22	18 27 21	6°33'39	2♌52	29°43	23°15	23°55	22°57	21° 0	22°19	8°41	5°50	0°55	29°29	20°47	10°26	F 22
S 23	18 31 17	7°30'51	14°47	1♌12	24°28	24°31	23° 0	21° 3	22°17	8°39	5°51	0°49	29°26	20°54	10°30	S 23
S 24	18 35 14	8°28'03	26°40	2°38	25°42	25° 7	23° 2	21° 7	22°15	8°38	5°52	0°43	29°23	21° 1	10°35	S 24
M25	18 39 11	9°25'16	8♍31	4° 3	26°55	25°44	23° 4	21°11	22°12	8°37	5°53	0°38	29°19	21° 7	10°40	M25
T 26	18 43 7	10°22'28	20°26	5°25	28° 8	26°20	23° 7	21°14	22°10	8°35	5°55	0°34	29°16	21°14	10°44	T 26
W27	18 47 4	11°19'41	2♎27	6°46	29°22	26°57	23° 9	21°18	22° 8	8°34	5°56	0°32	29°13	21°21	10°49	W27
T 28	18 51 0	12°16'54	14°40	8° 3	0♌35	27°33	23°10	21°22	22° 5	8°33	5°57	0°D32	29°10	21°28	10°54	T 28
F 29	18 54 57	13°14'07	27° 9	9°19	1°49	28°10	23°12	21°26	22° 3	8°32	5°58	0°32	29° 7	21°34	10°58	F 29
S 30	18 58 53	14♋11'20	9♏59	10♌32	3♌ 2	28♌47	23♓13	21♍31	22♑ 1	8♐30	5♊59	0♐34	29♏ 3	21♌41	11♊ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n52	10s47	3s33	24n37	1n23	24n20	0n48	18n43	1n20	4s36	1s15	6n 8	2n24	22s 6	0s32	20s25	1n32	11n53	9s34	20s31	20s22	10n35	18n10	3s44
S 2	22 57	14 38	2 36	24 51	1 30	24 23	0 50	18 32	1 20	4 34	1 16	6 8	2 23	22 6	0 32	20 25	1 32	11 53	9 34	20 32	20 21	10 33	18 10	3 44
S 3	23 3	17 52	1 28	25 3	1 36	24 25	0 52	18 22	1 19	4 32	1 16	6 7	2 23	22 6	0 32	20 25	1 32	11 53	9 34	20 32	20 21	10 31	18 11	3 45
M 4	23 7	20 13	0 14	25 12	1 41	24 27	0 54	18 11	1 18	4 30	1 16	6 6	2 23	22 7	0 32	20 25	1 32	11 53	9 34	20 32	20 20	10 28	18 11	3 45
T 5	23 12	21 24	1n 3	25 18	1 45	24 28	0 56	18 0	1 18	4 28	1 16	6 5	2 23	22 7	0 32	20 24	1 32	11 54	9 34	20 32	20 19	10 26	18 12	3 45
W 6	23 16	21 14	2 17	25 21	1 49	24 28	0 58	17 49	1 17	4 26	1 17	6 4	2 23	22 7	0 32	20 24	1 32	11 54	9 34	20 32	20 19	10 24	18 13	3 45
T 7	23 19	19 38	3 24	25 22	1 52	24 28	1 0	17 38	1 16	4 24	1 17	6 3	2 22	22 8	0 32	20 24	1 32	11 54	9 34	20 31	20 18	10 22	18 13	3 45
F 8	23 22	16 44	4 18	25 20	1 54	24 26	1 2	17 27	1 16	4 22	1 17	6 2	2 22	22 8	0 32	20 24	1 32	11 54	9 34	20 31	20 17	10 19	18 14	3 45
S 9	23 25	12 47	4 55	25 16	1 55	24 24	1 4	17 16	1 15	4 20	1 18	6 1	2 22	22 8	0 32	20 23	1 32	11 54	9 34	20 30	20 17	10 17	18 15	3 45
S 10	23 27	8 5	5 13	25 9	1 56	24 22	1 6	17 4	1 15	4 19	1 18	5 59	2 22	22 9	0 32	20 23	1 32	11 55	9 34	20 29	20 16	10 15	18 15	3 46
M11	23 29	2 59	5 10	25 1	1 56	24 18	1 7	16 53	1 14	4 17	1 18	5 58	2 22	22 9	0 32	20 23	1 31	11 55	9 34	20 29	20 15	10 13	18 16	3 46
T 12	23 31	2n11	4 49	24 50	1 56	24 14	1 9	16 41	1 13	4 15	1 18	5 57	2 21	22 10	0 32	20 23	1 31	11 55	9 34	20 29	20 15	10 11	18 16	3 46
W13	23 32	7 8	4 11	24 37	1 54	24 9	1 11	16 30	1 13	4 14	1 19	5 56	2 21	22 10	0 32	20 23	1 31	11 55	9 34	20 29	20 14	10 8	18 17	3 46
T 14	23 33	11 39	3 19	24 22	1 52	24 4	1 12	16 18	1 12	4 12	1 19	5 55	2 21	22 10	0 32	20 22	1 31	11 55	9 34	20 29	20 13	10 6	18 17	3 46
F 15	23 33	15 30	2 17	24 6	1 50	23 58	1 14	16 6	1 11	4 11	1 19	5 53	2 21	22 11	0 32	20 22	1 31	11 56	9 34	20 30	20 13	10 4	18 18	3 46
S 16	23 33	18 30	1 10	23 48	1 47	23 51	1 15	15 54	1 11	4 10	1 20	5 52	2 20	22 11	0 32	20 22	1 31	11 56	9 34	20 30	20 12	10 2	18 18	3 47
S 17	23 32	20 30	0s 0	23 28	1 43	23 43	1 17	15 42	1 10	4 8	1 20	5 50	2 20	22 11	0 32	20 22	1 31	11 56	9 34	20 30	20 11	9 59	18 19	3 47
M18	23 31	21 26	1 9	23 7	1 39	23 34	1 18	15 30	1 10	4 7	1 20	5 49	2 20	22 12	0 32	20 22	1 31	11 56	9 34	20 30	20 11	9 57	18 19	3 47
T 19	23 30	21 17	2 13	22 45	1 34	23 25	1 19	15 17	1 9	4 6	1 21	5 48	2 20	22 12	0 32	20 21	1 31	11 56	9 34	20 29	20 10	9 55	18 20	3 47
W20	23 28	20 6	3 10	22 22	1 28	23 16	1 21	15 5	1 8	4 5	1 21	5 46	2 20	22 13	0 32	20 21	1 31	11 56	9 34	20 28	20 9	9 53	18 20	3 47
T 21	23 26	18 1	3 58	21 58	1 22	23 5	1 22	14 52	1 8	4 4	1 21	5 45	2 19	22 13	0 32	20 21	1 31	11 56	9 34	20 27	20 9	9 51	18 21	3 48
F 22	23 23	15 10	4 34	21 32	1 16	22 54	1 23	14 40	1 7	4 3	1 21	5 43	2 19	22 13	0 32	20 21	1 31	11 57	9 34	20 26	20 8	9 48	18 21	3 48
S 23	23 20	11 43	4 58	21 6	1 9	22 42	1 24	14 27	1 6	4 3	1 22	5 41	2 19	22 14	0 32	20 21	1 31	11 57	9 34	20 25	20 7	9 46	18 22	3 48
S 24	23 17	7 50	5 9	20 40	1 2	22 30	1 25	14 14	1 6	4 2	1 22	5 40	2 19	22 14	0 32	20 21	1 31	11 57	9 35	20 24	20 6	9 44	18 22	3 48
M25	23 13	3 40	5 7	20 12	0 54	22 17	1 26	14 1	1 5	4 1	1 22	5 38	2 19	22 14	0 32	20 20	1 31	11 57	9 35	20 22	20 6	9 42	18 23	3 48
T 26	23 8	0s40	4 52	19 44	0 46	22 3	1 27	13 48	1 5	4 1	1 23	5 36	2 19	22 15	0 32	20 20	1 31	11 57	9 35	20 22	20 5	9 39	18 23	3 49
W27	23 4	5 0	4 23	19 16	0 37	21 49	1 28	13 35	1 4	4 0	1 23	5 35	2 18	22 15	0 33	20 20	1 31	11 57	9 35	20 21	20 4	9 37	18 23	3 49
T 28	22 59	9 14	3 43	18 47	0 28	21 34	1 29	13 22	1 3	4 0	1 23	5 33	2 18	22 16	0 33	20 20	1 31	11 57	9 35	20 21	20 4	9 35	18 24	3 49
F 29	22 53	13 10	2 51	18 18	0 18	21 18	1 29	13 9	1 3	4 0	1 24	5 31	2 18	22 16	0 33	20 20	1 31	11 57	9 35	20 21	20 3	9 33	18 24	3 49
S 30	22n47	16s36	1s49	17n49	0n 8	21n 2	1n30	12n55	1n 2	3s59	1s24	5n29	2n18	22s16	0s33	20s20	1n31	11n58	9s35	20s22	20s 2	9n30	18n25	3s50

Julian Day Number = 2143438.5, Delta T = 15m02s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'43, Lahiri = 12°05'44 Julian Calendar 1 June 1156 == Greg. Calendar 8 June 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

JULY 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 50	15♋ 8'34	23♏13	11♌43	4♌16	29♌23	23♓14	21♍35	21°R58	8°R29	6♊ 0	0♐35	29♏ 0	21♌48	11♊ 7	S 1
M 2	19 6 46	16° 5'48	6♐55	12°51	5°29	0♍ 0	23°15	21°39	21♑56	8♐28	6° 2	0°R35	28°57	21°55	11°12	M 2
T 3	19 10 43	17° 3'03	21° 3	13°56	6°42	0°37	23°16	21°43	21°54	8°27	6° 3	0°33	28°54	22° 1	11°16	T 3
W 4	19 14 40	18° 0'18	5♑37	14°59	7°56	1°14	23°17	21°48	21°51	8°26	6° 4	0°30	28°51	22° 8	11°20	W 4
T 5	19 18 36	18°57'33	20°30	15°59	9° 9	1°51	23°17	21°52	21°49	8°24	6° 5	0°24	28°48	22°15	11°25	T 5
F 6	19 22 33	19°54'49	5♒35	16°56	10°22	2°28	23°R17	21°57	21°46	8°23	6° 6	0°17	28°44	22°21	11°29	F 6
S 7	19 26 29	20°52'06	20°42	17°50	11°36	3° 5	23°17	22° 2	21°44	8°22	6° 7	0°10	28°41	22°28	11°33	S 7
S 8	19 30 26	21°49'24	5♓40	18°41	12°49	3°42	23°17	22° 6	21°42	8°21	6° 8	0° 3	28°38	22°35	11°38	S 8
M 9	19 34 22	22°46'43	20°23	19°29	14° 2	4°19	23°17	22°11	21°39	8°20	6° 9	29♏57	28°35	22°42	11°42	M 9
T 10	19 38 19	23°44'03	4♈44	20°13	15°16	4°56	23°16	22°16	21°37	8°19	6°10	29°54	28°32	22°48	11°46	T 10
W11	19 42 15	24°41'24	18°41	20°53	16°29	5°33	23°15	22°21	21°34	8°18	6°11	29°52	28°29	22°55	11°50	W11
T 12	19 46 12	25°38'47	2♉14	21°30	17°42	6°10	23°14	22°26	21°32	8°17	6°12	29°D52	28°25	23° 2	11°54	T 12
F 13	19 50 9	26°36'10	15°25	22° 3	18°56	6°48	23°13	22°31	21°30	8°16	6°13	29°53	28°22	23° 8	11°58	F 13
S 14	19 54 5	27°33'35	28°18	22°32	20° 9	7°25	23°12	22°36	21°27	8°15	6°14	29°R54	28°19	23°15	12° 2	S 14
S 15	19 58 2	28°31'01	10♊54	22°56	21°22	8° 3	23°10	22°41	21°25	8°14	6°15	29°53	28°16	23°22	12° 6	S 15
M16	20 1 58	29°28'28	23°18	23°16	22°35	8°40	23° 8	22°47	21°22	8°13	6°16	29°50	28°13	23°29	12°10	M16
T 17	20 5 55	0♌25'57	5♋32	23°31	23°49	9°18	23° 6	22°52	21°20	8°13	6°17	29°45	28° 9	23°35	12°14	T 17
W18	20 9 51	1°23'27	17°38	23°41	25° 2	9°55	23° 4	22°58	21°18	8°12	6°17	29°38	28° 6	23°42	12°18	W18
T 19	20 13 48	2°20'57	29°39	23°R46	26°15	10°33	23° 2	23° 3	21°15	8°11	6°18	29°28	28° 3	23°49	12°22	T 19
F 20	20 17 44	3°18'29	11♌35	23°46	27°28	11°11	22°59	23° 9	21°13	8°10	6°19	29°16	28° 0	23°56	12°25	F 20
S 21	20 21 41	4°16'02	23°28	23°40	28°41	11°48	22°56	23°14	21°11	8° 9	6°20	29° 4	27°57	24° 2	12°29	S 21
S 22	20 25 38	5°13'36	5♍19	23°29	29°55	12°26	22°53	23°20	21° 8	8° 9	6°21	28°52	27°54	24° 9	12°33	S 22
M23	20 29 34	6°11'11	17°11	23°13	1♍ 8	13° 4	22°50	23°26	21° 6	8° 8	6°22	28°42	27°50	24°16	12°36	M23
T 24	20 33 31	7° 8'47	29° 6	22°51	2°21	13°42	22°47	23°31	21° 4	8° 7	6°22	28°34	27°47	24°22	12°40	T 24
W25	20 37 27	8° 6'24	11♎ 7	22°24	3°34	14°20	22°43	23°37	21° 2	8° 7	6°23	28°28	27°44	24°29	12°43	W25
T 26	20 41 24	9° 4'03	23°18	21°52	4°47	14°58	22°40	23°43	20°59	8° 6	6°24	28°25	27°41	24°36	12°47	T 26
F 27	20 45 20	10° 1'42	5♏44	21°15	6° 0	15°36	22°36	23°49	20°57	8° 6	6°25	28°D24	27°38	24°43	12°50	F 27
S 28	20 49 17	10°59'22	18°29	20°33	7°13	16°14	22°32	23°55	20°55	8° 5	6°25	28°24	27°35	24°49	12°53	S 28
S 29	20 53 13	11°57'04	1♐37	19°48	8°26	16°53	22°28	24° 1	20°53	8° 5	6°26	28°R24	27°31	24°56	12°57	S 29
M30	20 57 10	12°54'46	15°13	19° 0	9°39	17°31	22°23	24° 7	20°51	8° 4	6°27	28°23	27°28	25° 3	13° 0	M30
T 31	21 1 7	13♌52'30	29♐19	18♌ 9	10♍52	18♍ 9	22♓19	24♍13	20♑48	8♐ 4	6♊27	28♏20	27♏25	25♌10	13♊ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n41	19s18	0s40	17n19	0s 2	20n45	1n31	12n42	1n 1	3s59	1s24	5n28	2n18	22s17	0s33	20s19	1n31	11n58	9s35	20s22	20s 2	9n28	18n25	3s50
M 2	22 34	21 0	0n34	16 50	0 12	20 28	1 31	12 28	1 1	3 59	1 25	5 26	2 17	22 17	0 33	20 19	1 31	11 58	9 35	20 22	20 1	9 26	18 25	3 50
T 3	22 27	21 27	1 48	16 21	0 23	20 10	1 32	12 15	1 0	3 59	1 25	5 24	2 17	22 18	0 33	20 19	1 31	11 58	9 35	20 22	20 0	9 24	18 26	3 50
W 4	22 20	20 28	2 57	15 52	0 34	19 51	1 32	12 1	1 0	3 59	1 25	5 22	2 17	22 18	0 33	20 19	1 31	11 58	9 35	20 21	20 0	9 21	18 26	3 51
T 5	22 12	18 5	3 56	15 23	0 46	19 32	1 32	11 47	0 59	3 59	1 26	5 20	2 17	22 18	0 33	20 19	1 31	11 58	9 35	20 20	19 59	9 19	18 26	3 51
F 6	22 4	14 27	4 39	14 55	0 57	19 12	1 33	11 33	0 58	3 59	1 26	5 18	2 17	22 19	0 33	20 19	1 31	11 58	9 36	20 18	19 58	9 17	18 27	3 51
S 7	21 55	9 53	5 2	14 27	1 9	18 52	1 33	11 19	0 58	4 0	1 26	5 16	2 17	22 19	0 33	20 19	1 31	11 58	9 36	20 17	19 57	9 15	18 27	3 51
S 8	21 46	4 45	5 5	14 0	1 21	18 32	1 33	11 5	0 57	4 0	1 26	5 14	2 16	22 20	0 33	20 18	1 31	11 58	9 36	20 15	19 57	9 13	18 27	3 52
M 9	21 37	0n35	4 47	13 34	1 34	18 10	1 33	10 51	0 57	4 1	1 27	5 12	2 16	22 20	0 33	20 18	1 31	11 58	9 36	20 14	19 56	9 10	18 28	3 52
T 10	21 27	5 44	4 12	13 8	1 46	17 49	1 33	10 37	0 56	4 1	1 27	5 10	2 16	22 20	0 33	20 18	1 31	11 58	9 36	20 13	19 55	9 8	18 28	3 52
W11	21 17	10 28	3 22	12 43	1 59	17 27	1 33	10 22	0 55	4 2	1 27	5 8	2 16	22 21	0 33	20 18	1 30	11 58	9 36	20 13	19 55	9 6	18 28	3 52
T 12	21 7	14 32	2 23	12 20	2 11	17 4	1 33	10 8	0 55	4 2	1 28	5 6	2 16	22 21	0 33	20 18	1 30	11 58	9 36	20 13	19 54	9 4	18 28	3 53
F 13	20 56	17 45	1 17	11 57	2 24	16 41	1 32	9 54	0 54	4 3	1 28	5 3	2 16	22 22	0 33	20 18	1 30	11 58	9 36	20 13	19 53	9 1	18 29	3 53
S 14	20 45	20 1	0 9	11 36	2 36	16 17	1 32	9 39	0 53	4 4	1 28	5 1	2 15	22 22	0 33	20 18	1 30	11 59	9 36	20 13	19 52	8 59	18 29	3 53
S 15	20 33	21 13	0s59	11 16	2 49	15 53	1 32	9 24	0 53	4 5	1 29	4 59	2 15	22 22	0 33	20 18	1 30	11 59	9 37	20 13	19 52	8 57	18 29	3 54
M16	20 21	21 21	2 2	10 58	3 1	15 29	1 31	9 10	0 52	4 6	1 29	4 57	2 15	22 23	0 33	20 18	1 30	11 59	9 37	20 12	19 51	8 55	18 29	3 54
T 17	20 9	20 28	2 58	10 42	3 13	15 4	1 31	8 55	0 52	4 7	1 29	4 54	2 15	22 23	0 33	20 17	1 30	11 59	9 37	20 11	19 50	8 52	18 30	3 54
W18	19 56	18 39	3 46	10 27	3 25	14 39	1 30	8 40	0 51	4 8	1 30	4 52	2 15	22 23	0 33	20 17	1 30	11 59	9 37	20 10	19 50	8 50	18 30	3 54
T 19	19 43	16 2	4 23	10 15	3 37	14 13	1 29	8 25	0 50	4 9	1 30	4 50	2 15	22 24	0 33	20 17	1 30	11 59	9 37	20 8	19 49	8 48	18 30	3 55
F 20	19 30	12 46	4 48	10 5	3 48	13 48	1 29	8 10	0 50	4 11	1 30	4 48	2 15	22 24	0 33	20 17	1 30	11 59	9 37	20 5	19 48	8 46	18 30	3 55
S 21	19 17	9 1	5 1	9 57	3 58	13 21	1 28	7 55	0 49	4 12	1 30	4 45	2 14	22 25	0 33	20 17	1 30	11 59	9 37	20 2	19 48	8 43	18 30	3 55
S 22	19 3	4 57	5 0	9 51	4 8	12 55	1 27	7 40	0 49	4 13	1 31	4 43	2 14	22 25	0 33	20 17	1 30	11 59	9 37	20 0	19 47	8 41	18 30	3 56
M23	18 49	0 41	4 47	9 48	4 16	12 28	1 26	7 25	0 48	4 15	1 31	4 40	2 14	22 25	0 33	20 17	1 30	11 59	9 38	19 58	19 46	8 39	18 31	3 56
T 24	18 34	3s37	4 21	9 48	4 24	12 0	1 25	7 10	0 47	4 16	1 31	4 38	2 14	22 26	0 33	20 17	1 30	11 59	9 38	19 56	19 45	8 37	18 31	3 56
W25	18 19	7 50	3 43	9 50	4 31	11 33	1 24	6 55	0 47	4 18	1 32	4 36	2 14	22 26	0 33	20 17	1 30	11 59	9 38	19 55	19 45	8 34	18 31	3 57
T 26	18 4	11 48	2 55	9 55	4 36	11 5	1 23	6 39	0 46	4 20	1 32	4 33	2 14	22 26	0 33	20 17	1 30	11 59	9 38	19 54	19 44	8 32	18 31	3 57
F 27	17 49	15 20	1 57	10 3	4 40	10 37	1 21	6 24	0 45	4 22	1 32	4 31	2 14	22 27	0 33	20 17	1 30	11 59	9 38	19 54	19 43	8 30	18 31	3 57
S 28	17 33	18 15	0 52	10 14	4 43	10 8	1 20	6 8	0 45	4 23	1 32	4 28	2 14	22 27	0 33	20 17	1 30	11 59	9 38	19 54	19 42	8 28	18 31	3 58
S 29	17 17	20 18	0n17	10 27	4 43	9 39	1 19	5 53	0 44	4 25	1 33	4 26	2 13	22 27	0 33	20 17	1 30	11 58	9 38	19 54	19 42	8 25	18 31	3 58
M30	17 1	21 16	1 28	10 43	4 42	9 10	1 17	5 37	0 44	4 27	1 33	4 23	2 13	22 28	0 33	20 17	1 30	11 58	9 39	19 53	19 41	8 23	18 31	3 58
T 31	16n44	20s57	2n36	11n 1	4s39	8n41	1n16	5n22	0n43	4s29	1s33	4n21	2n13	22s28	0s33	20s17	1n29	11n58	9s39	19s53	19s40	8n21	18n31	3s59

Julian Day Number = 2143468.5, Delta T = 15m01s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'47, Lahiri = 12°05'48 Julian Calendar 1 July 1156 == Greg. Calendar 8 July 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

AUGUST 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 5 3	14♌50'15	13♉53	17°R17	12♍ 5	18♍47	22°R14	24♍19	20°R46	8°R 3	6♊28	28°R15	27♏22	25♌16	13♊ 6	W 1
T 2	21 9 0	15°48'01	28°51	16♌24	13°18	19°26	22♓ 9	24°26	20♉44	8♐ 3	6°28	28♏ 7	27°19	25°23	13° 9	T 2
F 3	21 12 56	16°45'49	14♒ 5	15°32	14°31	20° 4	22° 4	24°32	20°42	8° 3	6°29	27°57	27°15	25°30	13°12	F 3
S 4	21 16 53	17°43'38	29°25	14°41	15°44	20°43	21°59	24°38	20°40	8° 2	6°30	27°46	27°12	25°36	13°15	S 4
S 5	21 20 49	18°41'29	14♓40	13°53	16°57	21°21	21°53	24°45	20°38	8° 2	6°30	27°36	27° 9	25°43	13°18	S 5
M 6	21 24 46	19°39'21	29°38	13° 9	18°10	22° 0	21°48	24°51	20°36	8° 2	6°31	27°28	27° 6	25°50	13°21	M 6
T 7	21 28 42	20°37'15	14♈12	12°30	19°23	22°39	21°42	24°57	20°34	8° 2	6°31	27°21	27° 3	25°57	13°24	T 7
W 8	21 32 39	21°35'11	28°18	11°56	20°36	23°17	21°36	25° 4	20°32	8° 1	6°32	27°18	27° 0	26° 3	13°26	W 8
T 9	21 36 36	22°33'09	11♉55	11°28	21°48	23°56	21°30	25°10	20°30	8° 1	6°32	27°17	26°56	26°10	13°29	T 9
F 10	21 40 32	23°31'09	25° 6	11° 8	23° 1	24°35	21°24	25°17	20°28	8° 1	6°33	27°16	26°53	26°17	13°32	F 10
S 11	21 44 29	24°29'10	7♊54	10°56	24°14	25°14	21°18	25°24	20°26	8° 1	6°33	27°16	26°50	26°23	13°34	S 11
S 12	21 48 25	25°27'14	20°24	10°D51	25°27	25°53	21°11	25°30	20°25	8° 1	6°33	27°15	26°47	26°30	13°37	S 12
M13	21 52 22	26°25'20	2♋39	10°55	26°39	26°32	21° 5	25°37	20°23	8°D 1	6°34	27°11	26°44	26°37	13°39	M13
T 14	21 56 18	27°23'28	14°45	11° 7	27°52	27°11	20°58	25°44	20°21	8° 1	6°34	27° 5	26°41	26°44	13°41	T 14
W15	22 0 15	28°21'37	26°43	11°28	29° 5	27°50	20°52	25°51	20°19	8° 1	6°34	26°56	26°37	26°50	13°44	W15
T 16	22 4 11	29°19'49	8♌38	11°57	0♎17	28°29	20°45	25°57	20°18	8° 1	6°35	26°44	26°34	26°57	13°46	T 16
F 17	22 8 8	0♍18'02	20°30	12°35	1°30	29° 8	20°38	26° 4	20°16	8° 1	6°35	26°31	26°31	27° 4	13°48	F 17
S 18	22 12 5	1°16'17	2♍22	13°21	2°43	29°48	20°31	26°11	20°14	8° 1	6°35	26°16	26°28	27°11	13°50	S 18
S 19	22 16 1	2°14'34	14°15	14°14	3°55	0♎27	20°23	26°18	20°13	8° 1	6°36	26° 2	26°25	27°17	13°52	S 19
M20	22 19 58	3°12'52	26°10	15°15	5° 8	1° 6	20°16	26°25	20°11	8° 2	6°36	25°50	26°21	27°24	13°54	M20
T 21	22 23 54	4°11'13	8♎ 9	16°23	6°20	1°46	20° 9	26°32	20°10	8° 2	6°36	25°40	26°18	27°31	13°56	T 21
W22	22 27 51	5° 9'35	20°15	17°37	7°33	2°25	20° 1	26°39	20° 8	8° 2	6°36	25°33	26°15	27°37	13°58	W22
T 23	22 31 47	6° 7'59	2♏29	18°57	8°45	3° 5	19°54	26°46	20° 7	8° 2	6°36	25°28	26°12	27°44	14° 0	T 23
F 24	22 35 44	7° 6'24	14°56	20°23	9°58	3°45	19°46	26°53	20° 5	8° 3	6°37	25°27	26° 9	27°51	14° 1	F 24
S 25	22 39 40	8° 4'51	27°40	21°53	11°10	4°24	19°38	27° 0	20° 4	8° 3	6°37	25°D26	26° 6	27°58	14° 3	S 25
S 26	22 43 37	9° 3'20	10♐44	23°28	12°23	5° 4	19°31	27° 7	20° 3	8° 4	6°37	25°R26	26° 2	28° 4	14° 4	S 26
M27	22 47 33	10° 1'51	24°13	25° 6	13°35	5°44	19°23	27°14	20° 1	8° 4	6°37	25°26	25°59	28°11	14° 6	M27
T 28	22 51 30	11° 0'23	8♑ 8	26°47	14°47	6°23	19°15	27°21	20° 0	8° 4	6°37	25°23	25°56	28°18	14° 7	T 28
W29	22 55 27	11°58'57	22°31	28°31	16° 0	7° 3	19° 7	27°28	19°59	8° 5	6°37	25°18	25°53	28°25	14° 8	W29
T 30	22 59 23	12°57'33	7♒20	0♍16	17°12	7°43	18°59	27°36	19°58	8° 5	6°R37	25°11	25°50	28°31	14°10	T 30
F 31	23 3 20	13♍56'10	22♒27	2♍ 4	18♎24	8♎23	18♓51	27♍43	19♉57	8♐ 6	6♊37	25♏ 2	25♏47	28♌38	14♊11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n27	19s14	3n36	11n22	4s35	8n12	1n14	5n 6	0n42	4s31	1s33	4n18	2n13	22s28	0s33	20s17	1n29	11n58	9s39	19s52	19s40	8n19	18n31	3s59
T 2	16 10	16 12	4 23	11 44	4 28	7 42	1 12	4 51	0 42	4 34	1 34	4 15	2 13	22 29	0 33	20 17	1 29	11 58	9 39	19 50	19 39	8 16	18 31	3 59
F 3	15 53	12 1	4 52	12 7	4 19	7 12	1 11	4 35	0 41	4 36	1 34	4 13	2 13	22 29	0 33	20 17	1 29	11 58	9 39	19 48	19 38	8 14	18 31	4 0
S 4	15 35	7 2	5 1	12 32	4 9	6 42	1 9	4 19	0 41	4 38	1 34	4 10	2 13	22 29	0 33	20 17	1 29	11 58	9 39	19 45	19 37	8 12	18 31	4 0
S 5	15 17	1 39	4 48	12 57	3 57	6 12	1 7	4 3	0 40	4 41	1 34	4 8	2 13	22 30	0 33	20 17	1 29	11 58	9 40	19 43	19 37	8 10	18 31	4 0
M 6	14 59	3n45	4 15	13 23	3 43	5 42	1 5	3 47	0 39	4 43	1 35	4 5	2 13	22 30	0 33	20 17	1 29	11 58	9 40	19 41	19 36	8 7	18 31	4 1
T 7	14 41	8 48	3 27	13 48	3 28	5 11	1 3	3 31	0 39	4 45	1 35	4 2	2 13	22 30	0 33	20 17	1 29	11 58	9 40	19 39	19 35	8 5	18 31	4 1
W 8	14 22	13 12	2 27	14 13	3 12	4 41	1 1	3 15	0 38	4 48	1 35	4 0	2 12	22 30	0 33	20 17	1 29	11 58	9 40	19 39	19 34	8 3	18 31	4 2
T 9	14 4	16 45	1 20	14 37	2 55	4 10	0 59	3 0	0 37	4 51	1 35	3 57	2 12	22 31	0 33	20 17	1 29	11 58	9 40	19 38	19 34	8 1	18 31	4 2
F 10	13 44	19 19	0 11	14 59	2 37	3 39	0 57	2 43	0 37	4 53	1 36	3 54	2 12	22 31	0 33	20 17	1 29	11 58	9 40	19 38	19 33	7 58	18 31	4 2
S 11	13 25	20 48	0s56	15 20	2 19	3 8	0 54	2 27	0 36	4 56	1 36	3 52	2 12	22 31	0 33	20 17	1 29	11 58	9 41	19 38	19 32	7 56	18 31	4 3
S 12	13 6	21 13	1 59	15 39	2 1	2 37	0 52	2 11	0 36	4 59	1 36	3 49	2 12	22 32	0 33	20 17	1 29	11 58	9 41	19 38	19 32	7 54	18 31	4 3
M13	12 46	20 36	2 55	15 56	1 42	2 6	0 50	1 55	0 35	5 1	1 36	3 46	2 12	22 32	0 33	20 17	1 29	11 57	9 41	19 37	19 31	7 52	18 31	4 3
T 14	12 26	19 2	3 43	16 10	1 24	1 34	0 47	1 39	0 34	5 4	1 36	3 43	2 12	22 32	0 33	20 17	1 29	11 57	9 41	19 36	19 30	7 49	18 31	4 4
W15	12 6	16 40	4 20	16 22	1 6	1 3	0 45	1 23	0 34	5 7	1 36	3 41	2 12	22 32	0 33	20 17	1 29	11 57	9 41	19 34	19 29	7 47	18 31	4 4
T 16	11 45	13 36	4 45	16 31	0 48	0 32	0 42	1 7	0 33	5 10	1 37	3 38	2 12	22 33	0 32	20 17	1 29	11 57	9 41	19 31	19 29	7 45	18 30	4 5
F 17	11 25	10 1	4 58	16 37	0 31	0 0	0 40	0 50	0 33	5 13	1 37	3 35	2 12	22 33	0 32	20 17	1 29	11 57	9 42	19 28	19 28	7 42	18 30	4 5
S 18	11 4	6 3	4 58	16 39	0 15	0s31	0 37	0 34	0 32	5 16	1 37	3 32	2 12	22 33	0 32	20 17	1 28	11 57	9 42	19 24	19 27	7 40	18 30	4 5
S 19	10 43	1 51	4 45	16 39	0n 1	1 3	0 34	0 18	0 31	5 19	1 37	3 29	2 12	22 33	0 32	20 17	1 28	11 57	9 42	19 21	19 26	7 38	18 30	4 6
M20	10 22	2s26	4 19	16 35	0 15	1 34	0 32	0 2	0 31	5 22	1 37	3 27	2 12	22 33	0 32	20 18	1 28	11 57	9 42	19 18	19 26	7 36	18 30	4 6
T 21	10 1	6 39	3 42	16 28	0 29	2 5	0 29	0s15	0 30	5 25	1 37	3 24	2 12	22 34	0 32	20 18	1 28	11 56	9 42	19 16	19 25	7 33	18 30	4 7
W22	9 40	10 38	2 55	16 17	0 42	2 37	0 26	0 31	0 29	5 28	1 38	3 21	2 11	22 34	0 32	20 18	1 28	11 56	9 42	19 14	19 24	7 31	18 30	4 7
T 23	9 18	14 14	1 58	16 3	0 53	3 8	0 23	0 47	0 29	5 31	1 38	3 18	2 11	22 34	0 32	20 18	1 28	11 56	9 43	19 13	19 23	7 29	18 29	4 7
F 24	8 56	17 16	0 55	15 46	1 4	3 39	0 20	1 4	0 28	5 34	1 38	3 15	2 11	22 34	0 32	20 18	1 28	11 56	9 43	19 13	19 23	7 27	18 29	4 8
S 25	8 35	19 32	0n12	15 25	1 13	4 11	0 17	1 20	0 28	5 37	1 38	3 12	2 11	22 34	0 32	20 18	1 28	11 56	9 43	19 12	19 22	7 24	18 29	4 8
S 26	8 13	20 50	1 20	15 2	1 21	4 42	0 14	1 36	0 27	5 40	1 38	3 9	2 11	22 35	0 32	20 18	1 28	11 56	9 43	19 13	19 21	7 22	18 29	4 9
M27	7 51	20 59	2 26	14 36	1 28	5 13	0 11	1 53	0 26	5 44	1 38	3 7	2 11	22 35	0 32	20 18	1 28	11 56	9 43	19 12	19 20	7 20	18 28	4 9
T 28	7 28	19 52	3 26	14 7	1 34	5 44	0 8	2 9	0 26	5 47	1 38	3 4	2 11	22 35	0 32	20 18	1 28	11 55	9 43	19 12	19 20	7 18	18 28	4 9
W29	7 6	17 28	4 14	13 36	1 39	6 15	0 5	2 26	0 25	5 50	1 38	3 1	2 11	22 35	0 32	20 19	1 28	11 55	9 44	19 11	19 19	7 15	18 28	4 10
T 30	6 43	13 53	4 48	13 2	1 43	6 45	0 2	2 42	0 25	5 53	1 38	2 58	2 11	22 35	0 32	20 19	1 28	11 55	9 44	19 9	19 18	7 13	18 28	4 10
F 31	6n21	9s20	5n 2	12n27	1n47	7s16	0s 1	2s58	0n24	5s56	1s38	2n55	2n11	22s35	0s32	20s19	1n28	11n55	9s44	19s 7	19s17	7n11	18n27	4s11

Julian Day Number = 2143499.5, Delta T = 15m01s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'52, Lahiri = 12°05'52 Julian Calendar 1 Aug. 1156 == Greg. Calendar 8 Aug. 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

SEPTEMBER 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 16	14♍54'49	7♓44	3♍53	19♎36	9♎ 3	18°R43	27♍50	19°R56	8♐ 7	6°R37	24°R52	25♏43	28♌45	14♊12	S 1
S 2	23 11 13	15°53'30	23° 0	5°42	20°48	9°43	18♓35	27°57	19♑55	8° 7	6♊37	24♏42	25°40	28°51	14°13	S 2
M 3	23 15 9	16°52'13	8♈ 3	7°32	22° 1	10°24	18°27	28° 4	19°54	8° 8	6°37	24°33	25°37	28°58	14°14	M 3
T 4	23 19 6	17°50'58	22°45	9°23	23°13	11° 4	18°19	28°12	19°53	8° 9	6°37	24°27	25°34	29° 5	14°15	T 4
W 5	23 23 2	18°49'46	7♉ 0	11°14	24°25	11°44	18°11	28°19	19°52	8° 9	6°37	24°24	25°31	29°12	14°16	W 5
T 6	23 26 59	19°48'35	20°45	13° 4	25°37	12°24	18° 3	28°26	19°51	8°10	6°37	24°D23	25°27	29°18	14°16	T 6
F 7	23 30 56	20°47'28	4♊ 2	14°55	26°49	13° 5	17°55	28°34	19°50	8°11	6°36	24°23	25°24	29°25	14°17	F 7
S 8	23 34 52	21°46'22	16°53	16°45	28° 1	13°45	17°47	28°41	19°49	8°12	6°36	24°R23	25°21	29°32	14°18	S 8
S 9	23 38 49	22°45'19	29°24	18°34	29°12	14°26	17°39	28°48	19°49	8°12	6°36	24°23	25°18	29°38	14°18	S 9
M10	23 42 45	23°44'18	11♋38	20°23	0♏24	15° 6	17°31	28°55	19°48	8°13	6°36	24°22	25°15	29°45	14°18	M10
T 11	23 46 42	24°43'20	23°40	22°11	1°36	15°47	17°23	29° 3	19°47	8°14	6°36	24°18	25°12	29°52	14°19	T 11
W12	23 50 38	25°42'23	5♌36	23°59	2°48	16°27	17°15	29°10	19°47	8°15	6°35	24°11	25° 8	29°59	14°19	W12
T 13	23 54 35	26°41'29	17°28	25°46	4° 0	17° 8	17° 8	29°17	19°46	8°16	6°35	24° 2	25° 5	0♍ 5	14°19	T 13
F 14	23 58 31	27°40'37	29°19	27°32	5°11	17°49	17° 0	29°25	19°46	8°17	6°35	23°52	25° 2	0°12	14°19	F 14
S 15	0 2 28	28°39'48	11♍12	29°17	6°23	18°30	16°52	29°32	19°46	8°18	6°34	23°41	24°59	0°19	14°R19	S 15
S 16	0 6 25	29°39'00	23°10	1♎ 2	7°35	19°11	16°44	29°39	19°45	8°19	6°34	23°31	24°56	0°26	14°19	S 16
M17	0 10 21	0♎38'15	5♎12	2°45	8°46	19°51	16°37	29°47	19°45	8°20	6°34	23°21	24°52	0°32	14°19	M17
T 18	0 14 18	1°37'32	17°21	4°28	9°58	20°32	16°29	29°54	19°45	8°22	6°33	23°14	24°49	0°39	14°19	T 18
W19	0 18 14	2°36'50	29°37	6°10	11° 9	21°14	16°22	0♎ 1	19°44	8°23	6°33	23° 8	24°46	0°46	14°19	W19
T 20	0 22 11	3°36'11	12♏ 3	7°52	12°21	21°55	16°15	0° 9	19°44	8°24	6°32	23° 6	24°43	0°52	14°19	T 20
F 21	0 26 7	4°35'34	24°40	9°32	13°32	22°36	16° 7	0°16	19°44	8°25	6°32	23°D 5	24°40	0°59	14°18	F 21
S 22	0 30 4	5°34'59	7♐31	11°12	14°44	23°17	16° 0	0°23	19°D44	8°26	6°31	23° 6	24°37	1° 6	14°18	S 22
S 23	0 34 0	6°34'25	20°38	12°51	15°55	23°58	15°53	0°31	19°44	8°28	6°31	23° 7	24°33	1°13	14°17	S 23
M24	0 37 57	7°33'53	4♑ 5	14°30	17° 6	24°40	15°46	0°38	19°44	8°29	6°30	23°R 8	24°30	1°19	14°16	M24
T 25	0 41 54	8°33'23	17°52	16° 7	18°17	25°21	15°39	0°45	19°44	8°30	6°30	23° 8	24°27	1°26	14°16	T 25
W26	0 45 50	9°32'55	2♒ 2	17°44	19°28	26° 2	15°33	0°53	19°44	8°32	6°29	23° 5	24°24	1°33	14°15	W26
T 27	0 49 47	10°32'28	16°32	19°21	20°40	26°44	15°26	1° 0	19°45	8°33	6°29	23° 2	24°21	1°39	14°14	T 27
F 28	0 53 43	11°32'04	1♓19	20°56	21°51	27°25	15°20	1° 7	19°45	8°34	6°28	22°56	24°18	1°46	14°13	F 28
S 29	0 57 40	12°31'41	16°17	22°31	23° 1	28° 7	15°13	1°14	19°45	8°36	6°28	22°50	24°14	1°53	14°12	S 29
S 30	1 1 36	13♎31'20	1♈16	24♎ 6	24♏12	28♎49	15♓ 7	1♎22	19♑46	8♐37	6♊27	22♏44	24♏11	2♍ 0	14♊11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n58	4s 9	4n54	11n49	1n49	7s47	0s 5	3s15	0n23	5s59	1s39	2n52	2n11	22s36	0s32	20s19	1n28	11n55	9s44	19s 4	19s17	7n 9	18n27	4s11
S 2	5 35	1n17	4 26	11 10	1 50	8 17	0 8	3 31	0 23	6 3	1 39	2 49	2 11	22 36	0 32	20 19	1 28	11 55	9 44	19 2	19 16	7 6	18 27	4 11
M 3	5 12	6 34	3 40	10 29	1 51	8 47	0 11	3 48	0 22	6 6	1 39	2 46	2 11	22 36	0 32	20 19	1 28	11 54	9 44	19 0	19 15	7 4	18 26	4 12
T 4	4 49	11 21	2 40	9 48	1 51	9 17	0 14	4 4	0 21	6 9	1 39	2 43	2 11	22 36	0 32	20 19	1 28	11 54	9 45	18 58	19 14	7 2	18 26	4 12
W 5	4 26	15 21	1 31	9 5	1 50	9 47	0 18	4 20	0 21	6 12	1 39	2 41	2 11	22 36	0 32	20 20	1 27	11 54	9 45	18 57	19 14	7 0	18 26	4 13
T 6	4 3	18 20	0 19	8 21	1 48	10 16	0 21	4 37	0 20	6 15	1 39	2 38	2 11	22 36	0 32	20 20	1 27	11 54	9 45	18 57	19 13	6 57	18 25	4 13
F 7	3 40	20 13	0s51	7 36	1 46	10 46	0 24	4 53	0 20	6 19	1 39	2 35	2 11	22 36	0 32	20 20	1 27	11 54	9 45	18 57	19 12	6 55	18 25	4 14
S 8	3 17	20 57	1 57	6 51	1 44	11 15	0 28	5 9	0 19	6 22	1 39	2 32	2 11	22 36	0 32	20 20	1 27	11 53	9 45	18 57	19 11	6 53	18 25	4 14
S 9	2 53	20 37	2 55	6 5	1 41	11 44	0 31	5 26	0 18	6 25	1 39	2 29	2 11	22 36	0 32	20 20	1 27	11 53	9 45	18 57	19 10	6 50	18 24	4 14
M10	2 30	19 19	3 44	5 19	1 37	12 12	0 35	5 42	0 18	6 28	1 39	2 26	2 11	22 37	0 32	20 21	1 27	11 53	9 46	18 57	19 10	6 48	18 24	4 15
T 11	2 6	17 9	4 23	4 32	1 33	12 41	0 38	5 58	0 17	6 31	1 39	2 23	2 11	22 37	0 32	20 21	1 27	11 53	9 46	18 56	19 9	6 46	18 24	4 15
W12	1 43	14 17	4 49	3 46	1 29	13 9	0 41	6 15	0 17	6 34	1 39	2 20	2 11	22 37	0 32	20 21	1 27	11 53	9 46	18 54	19 8	6 44	18 23	4 16
T 13	1 19	10 52	5 2	2 59	1 24	13 37	0 45	6 31	0 16	6 37	1 39	2 17	2 11	22 37	0 32	20 21	1 27	11 52	9 46	18 52	19 7	6 41	18 23	4 16
F 14	0 56	7 2	5 3	2 12	1 19	14 4	0 48	6 47	0 15	6 40	1 39	2 14	2 11	22 37	0 32	20 21	1 27	11 52	9 46	18 49	19 7	6 39	18 22	4 17
S 15	0 32	2 55	4 51	1 25	1 14	14 31	0 52	7 3	0 15	6 43	1 39	2 11	2 11	22 37	0 32	20 22	1 27	11 52	9 46	18 47	19 6	6 37	18 22	4 17
S 16	0 8	1s20	4 25	0 38	1 9	14 58	0 55	7 19	0 14	6 46	1 39	2 8	2 11	22 37	0 32	20 22	1 27	11 52	9 47	18 44	19 5	6 35	18 22	4 17
M17	0s15	5 34	3 48	0s 8	1 3	15 25	0 59	7 36	0 13	6 49	1 38	2 6	2 11	22 37	0 32	20 22	1 27	11 52	9 47	18 42	19 4	6 32	18 21	4 18
T 18	0 39	9 36	3 0	0 55	0 57	15 51	1 2	7 52	0 13	6 52	1 38	2 3	2 11	22 37	0 32	20 22	1 27	11 51	9 47	18 40	19 4	6 30	18 21	4 18
W19	1 3	13 18	2 3	1 41	0 51	16 17	1 5	8 8	0 12	6 55	1 38	2 0	2 11	22 37	0 32	20 22	1 27	11 51	9 47	18 38	19 3	6 28	18 20	4 19
T 20	1 26	16 27	0 59	2 27	0 45	16 42	1 9	8 24	0 12	6 58	1 38	1 57	2 11	22 37	0 32	20 23	1 27	11 51	9 47	18 38	19 2	6 26	18 20	4 19
F 21	1 50	18 53	0n 9	3 12	0 39	17 7	1 12	8 40	0 11	7 0	1 38	1 54	2 11	22 37	0 32	20 23	1 27	11 51	9 47	18 38	19 1	6 23	18 19	4 19
S 22	2 14	20 24	1 17	3 58	0 32	17 32	1 16	8 56	0 10	7 3	1 38	1 51	2 11	22 37	0 32	20 23	1 27	11 51	9 47	18 38	19 0	6 21	18 19	4 20
S 23	2 37	20 50	2 23	4 42	0 26	17 56	1 19	9 11	0 10	7 6	1 38	1 48	2 11	22 37	0 32	20 23	1 27	11 50	9 48	18 38	19 0	6 19	18 18	4 20
M24	3 1	20 6	3 23	5 27	0 19	18 20	1 22	9 27	0 9	7 8	1 38	1 45	2 12	22 37	0 32	20 24	1 26	11 50	9 48	18 38	18 59	6 17	18 18	4 21
T 25	3 24	18 10	4 13	6 11	0 12	18 43	1 25	9 43	0 8	7 11	1 38	1 42	2 12	22 37	0 32	20 24	1 26	11 50	9 48	18 38	18 58	6 14	18 17	4 21
W26	3 48	15 6	4 49	6 54	0 5	19 6	1 29	9 59	0 8	7 13	1 38	1 40	2 12	22 37	0 32	20 24	1 26	11 50	9 48	18 38	18 57	6 12	18 17	4 22
T 27	4 11	11 4	5 7	7 38	0s 1	19 29	1 32	10 14	0 7	7 16	1 37	1 37	2 12	22 37	0 32	20 24	1 26	11 49	9 48	18 37	18 57	6 10	18 16	4 22
F 28	4 35	6 17	5 6	8 20	0 8	19 50	1 35	10 30	0 7	7 18	1 37	1 34	2 12	22 37	0 32	20 25	1 26	11 49	9 48	18 35	18 56	6 8	18 16	4 22
S 29	4 58	1 4	4 44	9 2	0 15	20 12	1 38	10 46	0 6	7 20	1 37	1 31	2 12	22 37	0 32	20 25	1 26	11 49	9 48	18 34	18 55	6 5	18 15	4 23
S 30	5s22	4n13	4n 3	9s44	0s22	20s33	1s42	11s 1	0n 5	7s23	1s37	1n28	2n12	22s36	0s32	20s25	1n26	11n49	9s49	18s32	18s54	6n 3	18n15	4s23

Julian Day Number = 2143530.5, Delta T = 15m01s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°58'56, Lahiri = 12°05'56 Julian Calendar 1 Sept. 1156 == Greg. Calendar 8 Sept. 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

OCTOBER 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 5 33	14♎31'00	16♈ 9	25♎40	25♏23	29♎30	15°R 1	1♎29	19♑46	8♐39	6°R26	22°R39	24♏ 8	2♍ 6	14°R10	M 1
T 2	1 9 29	15°30'43	0♉45	27°13	26°34	0♏12	14♓55	1°36	19°46	8°40	6♊26	22♏35	24° 5	2°13	14♊ 9	T 2
W 3	1 13 26	16°30'28	15° 0	28°45	27°45	0°54	14°50	1°43	19°47	8°42	6°25	22°34	24° 2	2°20	14° 7	W 3
T 4	1 17 22	17°30'16	28°49	0♏17	28°55	1°36	14°44	1°51	19°48	8°43	6°24	22°D33	23°58	2°27	14° 6	T 4
F 5	1 21 19	18°30'05	12♊12	1°49	0♐ 6	2°18	14°39	1°58	19°48	8°45	6°24	22°35	23°55	2°33	14° 4	F 5
S 6	1 25 16	19°29'57	25° 9	3°20	1°16	3° 0	14°33	2° 5	19°49	8°47	6°23	22°36	23°52	2°40	14° 3	S 6
S 7	1 29 12	20°29'51	7♋44	4°50	2°27	3°42	14°28	2°12	19°50	8°48	6°22	22°38	23°49	2°47	14° 1	S 7
M 8	1 33 9	21°29'47	20° 2	6°20	3°37	4°24	14°23	2°19	19°50	8°50	6°21	22°R38	23°46	2°53	14° 0	M 8
T 9	1 37 5	22°29'46	2♌ 6	7°49	4°47	5° 6	14°19	2°26	19°51	8°51	6°21	22°38	23°43	3° 0	13°58	T 9
W10	1 41 2	23°29'46	14° 2	9°18	5°58	5°48	14°14	2°33	19°52	8°53	6°20	22°36	23°39	3° 7	13°56	W10
T 11	1 44 58	24°29'49	25°54	10°46	7° 8	6°31	14°10	2°40	19°53	8°55	6°19	22°33	23°36	3°14	13°54	T 11
F 12	1 48 55	25°29'54	7♍46	12°14	8°18	7°13	14° 5	2°47	19°54	8°57	6°18	22°29	23°33	3°20	13°52	F 12
S 13	1 52 51	26°30'01	19°42	13°41	9°28	7°55	14° 1	2°54	19°55	8°58	6°17	22°24	23°30	3°27	13°50	S 13
S 14	1 56 48	27°30'10	1♎44	15° 7	10°37	8°38	13°58	3° 1	19°56	9° 0	6°17	22°20	23°27	3°34	13°48	S 14
M15	2 0 45	28°30'21	13°55	16°33	11°47	9°20	13°54	3° 8	19°57	9° 2	6°16	22°16	23°23	3°40	13°46	M15
T 16	2 4 41	29°30'33	26°16	17°58	12°57	10° 3	13°50	3°15	19°58	9° 4	6°15	22°13	23°20	3°47	13°44	T 16
W17	2 8 38	0♏30'48	8♏49	19°22	14° 7	10°46	13°47	3°21	19°59	9° 6	6°14	22°11	23°17	3°54	13°42	W17
T 18	2 12 34	1°31'05	21°33	20°45	15°16	11°28	13°44	3°28	20° 1	9° 8	6°13	22°D10	23°14	4° 1	13°39	T 18
F 19	2 16 31	2°31'23	4♐30	22° 8	16°25	12°11	13°41	3°35	20° 2	9°10	6°12	22°11	23°11	4° 7	13°37	F 19
S 20	2 20 27	3°31'43	17°39	23°30	17°35	12°54	13°38	3°42	20° 3	9°11	6°11	22°12	23° 8	4°14	13°34	S 20
S 21	2 24 24	4°32'05	1♑ 1	24°50	18°44	13°37	13°36	3°48	20° 5	9°13	6°10	22°13	23° 4	4°21	13°32	S 21
M22	2 28 20	5°32'28	14°37	26°10	19°53	14°20	13°34	3°55	20° 6	9°15	6° 9	22°15	23° 1	4°28	13°29	M22
T 23	2 32 17	6°32'52	28°27	27°28	21° 2	15° 3	13°32	4° 2	20° 8	9°17	6° 8	22°15	22°58	4°34	13°27	T 23
W24	2 36 14	7°33'18	12♒30	28°45	22°11	15°46	13°30	4° 8	20° 9	9°19	6° 7	22°R15	22°55	4°41	13°24	W24
T 25	2 40 10	8°33'45	26°45	0♐ 1	23°20	16°29	13°28	4°15	20°11	9°21	6° 6	22°15	22°52	4°48	13°21	T 25
F 26	2 44 7	9°34'13	11♓ 9	1°14	24°28	17°12	13°27	4°21	20°13	9°23	6° 5	22°14	22°49	4°54	13°19	F 26
S 27	2 48 3	10°34'43	25°40	2°26	25°37	17°55	13°25	4°28	20°14	9°25	6° 4	22°12	22°45	5° 1	13°16	S 27
S 28	2 52 0	11°35'14	10♈11	3°35	26°45	18°38	13°24	4°34	20°16	9°27	6° 3	22°11	22°42	5° 8	13°13	S 28
M29	2 55 56	12°35'46	24°38	4°42	27°53	19°21	13°23	4°40	20°18	9°29	6° 2	22°10	22°39	5°15	13°10	M29
T 30	2 59 53	13°36'20	8♉54	5°46	29° 1	20° 5	13°23	4°47	20°20	9°31	6° 1	22° 9	22°36	5°21	13° 7	T 30
W31	3 3 49	14♏36'56	22♉55	6♐47	0♑ 9	20♏48	13♓22	4♎53	20♑21	9♐34	6♊ 0	22°D 9	22♏33	5♍28	13♊ 4	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s45	9n13	3n 5	10s24	0s29	20s53	1s45	11s16	0n 5	7s25	1s37	1n25	2n12	22s36	0s32	20s26	1n26	11n48	9s49	18s31	18s53	6n 1	18n14	4s24
T 2	6 8	13 36	1 56	11 5	0 35	21 13	1 48	11 32	0 4	7 27	1 37	1 23	2 12	22 36	0 32	20 26	1 26	11 48	9 49	18 30	18 53	5 58	18 14	4 24
W 3	6 31	17 4	0 41	11 44	0 42	21 33	1 51	11 47	0 3	7 29	1 37	1 20	2 12	22 36	0 32	20 26	1 26	11 48	9 49	18 30	18 52	5 56	18 13	4 24
T 4	6 54	19 26	0s34	12 23	0 49	21 52	1 54	12 2	0 3	7 31	1 36	1 17	2 12	22 36	0 32	20 26	1 26	11 48	9 49	18 30	18 51	5 54	18 13	4 25
F 5	7 17	20 37	1 45	13 2	0 56	22 10	1 57	12 17	0 2	7 33	1 36	1 14	2 12	22 36	0 32	20 27	1 26	11 48	9 49	18 30	18 50	5 52	18 12	4 25
S 6	7 40	20 39	2 49	13 39	1 2	22 28	2 0	12 32	0 2	7 35	1 36	1 11	2 12	22 36	0 32	20 27	1 26	11 47	9 49	18 30	18 49	5 49	18 12	4 26
S 7	8 3	19 38	3 42	14 16	1 9	22 45	2 3	12 47	0 1	7 37	1 36	1 9	2 12	22 36	0 32	20 27	1 26	11 47	9 49	18 31	18 49	5 47	18 11	4 26
M 8	8 25	17 42	4 24	14 52	1 15	23 1	2 5	13 2	0 0	7 38	1 36	1 6	2 13	22 36	0 32	20 28	1 26	11 47	9 50	18 31	18 48	5 45	18 10	4 26
T 9	8 48	15 1	4 53	15 28	1 21	23 17	2 8	13 17	0s 0	7 40	1 35	1 3	2 13	22 35	0 32	20 28	1 26	11 47	9 50	18 31	18 47	5 43	18 10	4 27
W10	9 10	11 45	5 10	16 2	1 28	23 33	2 11	13 32	0 1	7 42	1 35	1 1	2 13	22 35	0 31	20 28	1 26	11 46	9 50	18 30	18 46	5 40	18 9	4 27
T 11	9 32	8 2	5 12	16 36	1 34	23 47	2 14	13 46	0 1	7 43	1 35	0 58	2 13	22 35	0 31	20 28	1 26	11 46	9 50	18 29	18 45	5 38	18 9	4 28
F 12	9 54	4 1	5 2	17 9	1 39	24 2	2 16	14 1	0 2	7 45	1 35	0 55	2 13	22 35	0 31	20 29	1 26	11 46	9 50	18 28	18 45	5 36	18 8	4 28
S 13	10 16	0s10	4 39	17 41	1 45	24 15	2 19	14 15	0 3	7 46	1 35	0 52	2 13	22 35	0 31	20 29	1 26	11 46	9 50	18 27	18 44	5 34	18 7	4 28
S 14	10 38	4 24	4 2	18 12	1 51	24 28	2 21	14 30	0 3	7 47	1 34	0 50	2 13	22 35	0 31	20 29	1 26	11 45	9 50	18 26	18 43	5 31	18 7	4 29
M15	10 59	8 30	3 15	18 43	1 56	24 40	2 23	14 44	0 4	7 49	1 34	0 47	2 13	22 34	0 31	20 30	1 26	11 45	9 50	18 25	18 42	5 29	18 6	4 29
T 16	11 21	12 19	2 18	19 12	2 1	24 52	2 26	14 58	0 5	7 50	1 34	0 45	2 13	22 34	0 31	20 30	1 26	11 45	9 50	18 24	18 41	5 27	18 6	4 29
W17	11 42	15 39	1 13	19 40	2 6	25 3	2 28	15 12	0 5	7 51	1 34	0 42	2 13	22 34	0 31	20 30	1 26	11 45	9 50	18 24	18 41	5 25	18 5	4 30
T 18	12 3	18 17	0 3	20 7	2 11	25 13	2 30	15 26	0 6	7 52	1 33	0 39	2 14	22 34	0 31	20 31	1 25	11 45	9 50	18 24	18 40	5 22	18 4	4 30
F 19	12 24	20 2	1n 7	20 33	2 15	25 22	2 32	15 40	0 6	7 53	1 33	0 37	2 14	22 34	0 31	20 31	1 25	11 44	9 51	18 24	18 39	5 20	18 4	4 30
S 20	12 45	20 43	2 16	20 58	2 19	25 31	2 34	15 53	0 7	7 53	1 33	0 34	2 14	22 33	0 31	20 31	1 25	11 44	9 51	18 24	18 38	5 18	18 3	4 31
S 21	13 5	20 14	3 18	21 22	2 23	25 39	2 36	16 7	0 8	7 54	1 33	0 32	2 14	22 33	0 31	20 32	1 25	11 44	9 51	18 24	18 37	5 15	18 3	4 31
M22	13 26	18 35	4 11	21 45	2 26	25 47	2 38	16 20	0 8	7 55	1 32	0 29	2 14	22 33	0 31	20 32	1 25	11 44	9 51	18 25	18 37	5 13	18 2	4 31
T 23	13 46	15 50	4 49	22 6	2 29	25 53	2 39	16 34	0 9	7 55	1 32	0 27	2 14	22 33	0 31	20 32	1 25	11 43	9 51	18 25	18 36	5 11	18 1	4 32
W24	14 6	12 9	5 12	22 26	2 32	25 59	2 41	16 47	0 10	7 56	1 32	0 24	2 14	22 32	0 31	20 33	1 25	11 43	9 51	18 25	18 35	5 9	18 1	4 32
T 25	14 25	7 43	5 15	22 45	2 34	26 5	2 42	17 0	0 10	7 56	1 32	0 22	2 15	22 32	0 31	20 33	1 25	11 43	9 51	18 25	18 34	5 6	18 0	4 32
F 26	14 45	2 48	4 59	23 2	2 36	26 9	2 44	17 13	0 11	7 57	1 31	0 19	2 15	22 32	0 31	20 33	1 25	11 43	9 51	18 24	18 33	5 4	17 59	4 33
S 27	15 4	2n18	4 24	23 18	2 37	26 13	2 45	17 26	0 11	7 57	1 31	0 17	2 15	22 32	0 31	20 34	1 25	11 42	9 51	18 24	18 33	5 2	17 59	4 33
S 28	15 23	7 18	3 32	23 33	2 38	26 17	2 46	17 38	0 12	7 57	1 31	0 14	2 15	22 31	0 31	20 34	1 25	11 42	9 51	18 24	18 32	5 0	17 58	4 33
M29	15 41	11 51	2 27	23 45	2 38	26 19	2 47	17 51	0 13	7 57	1 31	0 12	2 15	22 31	0 31	20 34	1 25	11 42	9 51	18 23	18 31	4 57	17 57	4 34
T 30	16 0	15 41	1 13	23 56	2 37	26 21	2 48	18 3	0 13	7 57	1 30	0 10	2 15	22 31	0 31	20 35	1 25	11 42	9 51	18 23	18 30	4 55	17 57	4 34
W31	16s18	18n31	0s 4	24s 6	2s35	26s22	2s49	18s15	0s14	7s57	1s30	0n 7	2n15	22s31	0s31	20s35	1n25	11n42	9s51	18s23	18s29	4n53	17n56	4s34

Julian Day Number = 2143560.5, Delta T = 15m01s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'00, Lahiri = 12°06'00 Julian Calendar 1 Oct. 1156 == Greg. Calendar 8 Oct. 1156

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NOVEMBER 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 46	15♏37'33	6♊37	7♐45	1♑16	21♏31	13°R22	4♎59	20♑23	9♐36	5°R59	22♏ 9	22♏29	5♍35	13°R 1	T 1
F 2	3 11 43	16°38'11	19°57	8°38	2°24	22°15	13°D22	5° 5	20°25	9°38	5♊58	22° 9	22°26	5°41	12♊58	F 2
S 3	3 15 39	17°38'52	2♋56	9°26	3°31	22°59	13♓22	5°11	20°27	9°40	5°57	22°10	22°23	5°48	12°55	S 3
S 4	3 19 36	18°39'34	15°35	10°10	4°38	23°42	13°23	5°17	20°29	9°42	5°56	22°10	22°20	5°55	12°51	S 4
M 5	3 23 32	19°40'17	27°56	10°47	5°45	24°26	13°23	5°23	20°32	9°44	5°54	22°11	22°17	6° 2	12°48	M 5
T 6	3 27 29	20°41'02	10♌ 3	11°18	6°52	25° 9	13°24	5°29	20°34	9°46	5°53	22°11	22°14	6° 8	12°45	T 6
W 7	3 31 25	21°41'49	22° 0	11°41	7°59	25°53	13°25	5°35	20°36	9°49	5°52	22°11	22°10	6°15	12°42	W 7
T 8	3 35 22	22°42'37	3♍53	11°56	9° 5	26°37	13°26	5°41	20°38	9°51	5°51	22°11	22° 7	6°22	12°38	T 8
F 9	3 39 18	23°43'26	15°46	12°R 2	10°12	27°21	13°28	5°46	20°40	9°53	5°50	22°11	22° 4	6°28	12°35	F 9
S 10	3 43 15	24°44'18	27°43	11°59	11°18	28° 5	13°29	5°52	20°43	9°55	5°49	22°11	22° 1	6°35	12°31	S 10
S 11	3 47 12	25°45'10	9♎48	11°44	12°23	28°49	13°31	5°58	20°45	9°57	5°48	22°12	21°58	6°42	12°28	S 11
M12	3 51 8	26°46'04	22° 6	11°19	13°29	29°33	13°33	6° 3	20°47	10° 0	5°47	22°12	21°55	6°49	12°25	M12
T 13	3 55 5	27°46'59	4♏38	10°43	14°34	0♐17	13°36	6° 9	20°50	10° 2	5°45	22°13	21°51	6°55	12°21	T 13
W14	3 59 1	28°47'56	17°26	9°56	15°39	1° 1	13°38	6°14	20°52	10° 4	5°44	22°R13	21°48	7° 2	12°18	W14
T 15	4 2 58	29°48'53	0♐31	8°58	16°44	1°45	13°41	6°19	20°55	10° 6	5°43	22°13	21°45	7° 9	12°14	T 15
F 16	4 6 54	0♐49'52	13°52	7°51	17°49	2°29	13°43	6°25	20°57	10° 8	5°42	22°12	21°42	7°16	12°10	F 16
S 17	4 10 51	1°50'52	27°28	6°37	18°53	3°14	13°47	6°30	21° 0	10°11	5°41	22°11	21°39	7°22	12° 7	S 17
S 18	4 14 47	2°51'53	11♑17	5°17	19°57	3°58	13°50	6°35	21° 2	10°13	5°40	22°10	21°35	7°29	12° 3	S 18
M19	4 18 44	3°52'54	25°15	3°54	21° 1	4°43	13°53	6°40	21° 5	10°15	5°39	22° 8	21°32	7°36	12° 0	M19
T 20	4 22 41	4°53'56	9♒21	2°32	22° 5	5°27	13°57	6°45	21° 8	10°17	5°37	22° 7	21°29	7°42	11°56	T 20
W21	4 26 37	5°54'58	23°30	1°12	23° 8	6°11	14° 1	6°50	21°10	10°20	5°36	22° 6	21°26	7°49	11°52	W21
T 22	4 30 34	6°56'01	7♓41	29♏57	24°10	6°56	14° 5	6°55	21°13	10°22	5°35	22°D 6	21°23	7°56	11°49	T 22
F 23	4 34 30	7°57'05	21°52	28°51	25°13	7°41	14° 9	6°59	21°16	10°24	5°34	22° 6	21°20	8° 3	11°45	F 23
S 24	4 38 27	8°58'09	6♈ 0	27°53	26°15	8°25	14°13	7° 4	21°19	10°27	5°33	22° 7	21°16	8° 9	11°41	S 24
S 25	4 42 23	9°59'13	20° 3	27° 6	27°17	9°10	14°18	7° 9	21°21	10°29	5°32	22° 9	21°13	8°16	11°38	S 25
M26	4 46 20	11° 0'18	4♉ 0	26°29	28°18	9°55	14°23	7°13	21°24	10°31	5°30	22°10	21°10	8°23	11°34	M26
T 27	4 50 16	12° 1'23	17°47	26° 4	29°19	10°39	14°28	7°18	21°27	10°33	5°29	22°R11	21° 7	8°29	11°30	T 27
W28	4 54 13	13° 2'29	1♊23	25°50	0♒20	11°24	14°33	7°22	21°30	10°36	5°28	22°10	21° 4	8°36	11°26	W28
T 29	4 58 10	14° 3'35	14°46	25°D46	1°20	12° 9	14°38	7°26	21°33	10°38	5°27	22° 9	21° 1	8°43	11°23	T 29
F 30	5 2 6	15♐ 4'42	27♊54	25♏52	2♒20	12♐54	14♓44	7♎30	21♑36	10♐40	5♊26	22♏ 6	20♏57	8♍50	11♊19	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s36	20n12	1s19	24s13	2s33	26s22	2s50	18s27	0s14	7s57	1s30	0n 5	2n16	22s30	0s31	20s35	1n25	11n41	9s51	18s23	18s29	4n51	17n55	4s34
F 2	16 53	20 42	2 28	24 19	2 30	26 22	2 51	18 39	0 15	7 57	1 30	0 3	2 16	22 30	0 31	20 36	1 25	11 41	9 51	18 23	18 28	4 48	17 55	4 35
S 3	17 10	20 3	3 28	24 22	2 26	26 21	2 51	18 51	0 16	7 56	1 29	0 1	2 16	22 30	0 31	20 36	1 25	11 41	9 51	18 24	18 27	4 46	17 54	4 35
S 4	17 27	18 25	4 15	24 24	2 21	26 19	2 51	19 3	0 16	7 56	1 29	0s 2	2 16	22 29	0 31	20 36	1 25	11 41	9 51	18 24	18 26	4 44	17 53	4 35
M 5	17 44	15 56	4 49	24 23	2 15	26 17	2 52	19 14	0 17	7 55	1 29	0 4	2 16	22 29	0 31	20 37	1 25	11 41	9 51	18 24	18 25	4 42	17 53	4 36
T 6	18 0	12 49	5 10	24 20	2 8	26 14	2 52	19 25	0 17	7 55	1 29	0 6	2 17	22 29	0 31	20 37	1 25	11 40	9 51	18 24	18 24	4 39	17 52	4 36
W 7	18 16	9 14	5 17	24 15	1 59	26 10	2 52	19 36	0 18	7 54	1 28	0 8	2 17	22 28	0 31	20 37	1 25	11 40	9 51	18 24	18 24	4 37	17 51	4 36
T 8	18 32	5 18	5 11	24 7	1 49	26 5	2 52	19 47	0 19	7 54	1 28	0 10	2 17	22 28	0 31	20 38	1 25	11 40	9 51	18 24	18 23	4 35	17 51	4 36
F 9	18 47	1 10	4 51	23 57	1 37	26 0	2 51	19 58	0 19	7 53	1 28	0 12	2 17	22 28	0 31	20 38	1 25	11 40	9 51	18 24	18 22	4 33	17 50	4 37
S 10	19 2	3s 2	4 18	23 43	1 24	25 54	2 51	20 9	0 20	7 52	1 27	0 14	2 17	22 27	0 31	20 38	1 25	11 40	9 51	18 24	18 21	4 30	17 49	4 37
S 11	19 17	7 11	3 34	23 27	1 10	25 48	2 51	20 19	0 20	7 51	1 27	0 17	2 17	22 27	0 31	20 39	1 25	11 39	9 51	18 24	18 20	4 28	17 49	4 37
M12	19 31	11 6	2 39	23 8	0 54	25 41	2 50	20 29	0 21	7 50	1 27	0 19	2 18	22 26	0 31	20 39	1 25	11 39	9 51	18 24	18 20	4 26	17 48	4 37
T 13	19 45	14 38	1 36	22 45	0 36	25 33	2 49	20 39	0 22	7 49	1 27	0 21	2 18	22 26	0 31	20 39	1 25	11 39	9 51	18 24	18 19	4 24	17 48	4 37
W14	19 59	17 32	0 27	22 20	0 18	25 24	2 48	20 49	0 22	7 48	1 26	0 22	2 18	22 26	0 31	20 40	1 25	11 39	9 51	18 24	18 18	4 21	17 47	4 38
T 15	20 12	19 36	0n46	21 52	0n 2	25 15	2 47	20 59	0 23	7 46	1 26	0 24	2 18	22 25	0 31	20 40	1 25	11 39	9 51	18 24	18 17	4 19	17 46	4 38
F 16	20 25	20 38	1 57	21 21	0 22	25 5	2 46	21 8	0 23	7 45	1 26	0 26	2 18	22 25	0 31	20 40	1 25	11 39	9 51	18 24	18 16	4 17	17 46	4 38
S 17	20 37	20 28	3 3	20 49	0 43	24 55	2 44	21 17	0 24	7 43	1 26	0 28	2 19	22 24	0 31	20 41	1 25	11 38	9 51	18 24	18 15	4 15	17 45	4 38
S 18	20 50	19 5	3 59	20 15	1 3	24 44	2 43	21 26	0 25	7 42	1 25	0 30	2 19	22 24	0 31	20 41	1 25	11 38	9 51	18 24	18 15	4 12	17 44	4 38
M19	21 1	16 33	4 42	19 41	1 22	24 33	2 41	21 35	0 25	7 40	1 25	0 32	2 19	22 24	0 31	20 41	1 25	11 38	9 51	18 23	18 14	4 10	17 44	4 38
T 20	21 13	13 2	5 8	19 7	1 40	24 21	2 39	21 44	0 26	7 39	1 25	0 34	2 19	22 23	0 31	20 42	1 25	11 38	9 51	18 23	18 13	4 8	17 43	4 39
W21	21 23	8 46	5 16	18 35	1 57	24 8	2 37	21 52	0 26	7 37	1 25	0 35	2 20	22 23	0 31	20 42	1 25	11 38	9 51	18 23	18 12	4 6	17 42	4 39
T 22	21 34	4 1	5 5	18 5	2 12	23 55	2 35	22 1	0 27	7 35	1 24	0 37	2 20	22 22	0 31	20 42	1 25	11 38	9 51	18 22	18 11	4 3	17 42	4 39
F 23	21 44	0n58	4 35	17 39	2 24	23 41	2 32	22 9	0 28	7 33	1 24	0 39	2 20	22 22	0 31	20 43	1 25	11 37	9 51	18 23	18 10	4 1	17 41	4 39
S 24	21 54	5 53	3 48	17 16	2 34	23 27	2 30	22 16	0 28	7 31	1 24	0 40	2 20	22 21	0 31	20 43	1 25	11 37	9 51	18 23	18 10	3 59	17 41	4 39
S 25	22 3	10 28	2 48	16 58	2 42	23 12	2 27	22 24	0 29	7 29	1 23	0 42	2 20	22 21	0 31	20 43	1 25	11 37	9 51	18 23	18 9	3 57	17 40	4 39
M26	22 12	14 27	1 39	16 44	2 48	22 57	2 24	22 31	0 29	7 27	1 23	0 44	2 21	22 20	0 31	20 44	1 25	11 37	9 51	18 24	18 8	3 54	17 39	4 39
T 27	22 20	17 36	0 24	16 35	2 51	22 41	2 21	22 38	0 30	7 25	1 23	0 45	2 21	22 20	0 31	20 44	1 25	11 37	9 51	18 24	18 7	3 52	17 39	4 40
W28	22 28	19 42	0s51	16 30	2 53	22 25	2 18	22 45	0 31	7 23	1 23	0 47	2 21	22 20	0 31	20 44	1 25	11 37	9 51	18 24	18 6	3 50	17 38	4 40
T 29	22 35	20 40	2 1	16 29	2 53	22 8	2 14	22 52	0 31	7 21	1 22	0 48	2 21	22 19	0 31	20 45	1 25	11 37	9 51	18 23	18 5	3 48	17 38	4 40
F 30	22s42	20n28	3s 4	16s32	2n51	21s51	2s11	22s58	0s32	7s18	1s22	0s49	2n22	22s19	0s31	20s45	1n25	11n37	9s51	18s23	18s 5	3n45	17n37	4s40

Julian Day Number = 2143591.5, Delta T = 15m01s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'04, Lahiri = 12°06'05 Julian Calendar 1 Nov. 1156 == Greg. Calendar 8 Nov. 1156

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ASTRODIENST EPHEMERIS for the year 1156
geocentric

DECEMBER 1156 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 3	16♐ 5'50	10♋45	26♏ 7	3♒19	13♐39	14♓49	7♎35	21♑39	10♐42	5°R25	22°R 3	20♏54	8♍56	11°R15	S 1
S 2	5 9 59	17° 6'58	23°21	26°30	4°18	14°24	14°55	7°39	21°42	10°45	5♊24	21♏59	20°51	9° 3	11♊12	S 2
M 3	5 13 56	18° 8'07	5♌41	27° 1	5°16	15° 9	15° 1	7°42	21°45	10°47	5°22	21°54	20°48	9°10	11° 8	M 3
T 4	5 17 52	19° 9'16	17°49	27°38	6°14	15°54	15° 8	7°46	21°48	10°49	5°21	21°50	20°45	9°16	11° 4	T 4
W 5	5 21 49	20°10'26	29°48	28°22	7°11	16°39	15°14	7°50	21°51	10°51	5°20	21°47	20°41	9°23	11° 1	W 5
T 6	5 25 45	21°11'36	11♍40	29°10	8° 8	17°24	15°20	7°54	21°55	10°54	5°19	21°45	20°38	9°30	10°57	T 6
F 7	5 29 42	22°12'47	23°32	0♐ 4	9° 4	18°10	15°27	7°57	21°58	10°56	5°18	21°D45	20°35	9°37	10°54	F 7
S 8	5 33 39	23°13'58	5♎28	1° 1	9°59	18°55	15°34	8° 1	22° 1	10°58	5°17	21°45	20°32	9°43	10°50	S 8
S 9	5 37 35	24°15'10	17°32	2° 2	10°54	19°40	15°41	8° 4	22° 4	11° 0	5°16	21°47	20°29	9°50	10°46	S 9
M10	5 41 32	25°16'22	29°50	3° 6	11°49	20°26	15°48	8° 8	22° 7	11° 3	5°15	21°49	20°26	9°57	10°43	M10
T 11	5 45 28	26°17'35	12♏27	4°13	12°42	21°11	15°56	8°11	22°10	11° 5	5°14	21°50	20°22	10° 3	10°39	T 11
W12	5 49 25	27°18'48	25°24	5°23	13°35	21°56	16° 3	8°14	22°14	11° 7	5°13	21°R51	20°19	10°10	10°36	W12
T 13	5 53 21	28°20'01	8♐44	6°35	14°27	22°42	16°11	8°17	22°17	11° 9	5°11	21°49	20°16	10°17	10°32	T 13
F 14	5 57 18	29°21'14	22°26	7°49	15°19	23°27	16°19	8°20	22°20	11°11	5°10	21°46	20°13	10°24	10°29	F 14
S 15	6 1 14	0♑22'28	6♑29	9° 5	16°10	24°13	16°27	8°23	22°24	11°14	5° 9	21°41	20°10	10°30	10°25	S 15
S 16	6 5 11	1°23'41	20°47	10°22	17° 0	24°59	16°35	8°25	22°27	11°16	5° 8	21°35	20° 7	10°37	10°22	S 16
M17	6 9 8	2°24'54	5♒16	11°41	17°49	25°44	16°43	8°28	22°30	11°18	5° 7	21°28	20° 3	10°44	10°19	M17
T 18	6 13 4	3°26'07	19°48	13° 1	18°37	26°30	16°52	8°31	22°34	11°20	5° 6	21°22	20° 0	10°50	10°15	T 18
W19	6 17 1	4°27'19	4♓18	14°22	19°24	27°16	17° 0	8°33	22°37	11°22	5° 5	21°17	19°57	10°57	10°12	W19
T 20	6 20 57	5°28'30	18°40	15°44	20°11	28° 2	17° 9	8°35	22°41	11°24	5° 4	21°13	19°54	11° 4	10° 9	T 20
F 21	6 24 54	6°29'41	2♈51	17° 7	20°56	28°47	17°18	8°38	22°44	11°26	5° 3	21°D12	19°51	11°11	10° 6	F 21
S 22	6 28 50	7°30'52	16°50	18°32	21°41	29°33	17°27	8°40	22°47	11°28	5° 2	21°12	19°47	11°17	10° 2	S 22
S 23	6 32 47	8°32'01	0♉35	19°57	22°24	0♑19	17°36	8°42	22°51	11°31	5° 1	21°13	19°44	11°24	9°59	S 23
M24	6 36 43	9°33'11	14° 9	21°22	23° 6	1° 5	17°45	8°44	22°54	11°33	5° 0	21°15	19°41	11°31	9°56	M24
T 25	6 40 40	10°34'19	27°30	22°49	23°47	1°51	17°54	8°45	22°58	11°35	5° 0	21°R15	19°38	11°37	9°53	T 25
W26	6 44 37	11°35'27	10♊40	24°16	24°27	2°37	18° 4	8°47	23° 1	11°37	4°59	21°13	19°35	11°44	9°50	W26
T 27	6 48 33	12°36'34	23°39	25°44	25° 5	3°23	18°14	8°49	23° 5	11°39	4°58	21° 8	19°32	11°51	9°47	T 27
F 28	6 52 30	13°37'41	6♋28	27°12	25°42	4° 9	18°23	8°50	23° 8	11°41	4°57	21° 1	19°28	11°58	9°44	F 28
S 29	6 56 26	14°38'47	19° 4	28°42	26°18	4°55	18°33	8°52	23°12	11°43	4°56	20°52	19°25	12° 4	9°42	S 29
S 30	7 0 23	15°39'52	1♌30	0♑11	26°53	5°41	18°43	8°53	23°15	11°45	4°55	20°42	19°22	12°11	9°39	S 30
M31	7 4 19	16♑40'57	13♌44	1♑42	27♒26	6♑27	18♓54	8♎54	23♑19	11♐47	4♊54	20♏31	19♏19	12♍18	9♊36	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s49	19n11	3s56	16s38	2n49	21s33	2s 7	23s 4	0s32	7s16	1s22	0s51	2n22	22s18	0s31	20s45	1n25	11n36	9s51	18s22	18s 4	3n43	17n36	4s40
S 2	22 55	17 0	4 35	16 47	2 45	21 15	2 3	23 10	0 33	7 13	1 22	0 52	2 22	22 18	0 31	20 46	1 25	11 36	9 51	18 21	18 3	3 41	17 36	4 40
M 3	23 1	14 4	5 1	16 59	2 40	20 57	1 58	23 16	0 33	7 11	1 21	0 54	2 22	22 17	0 31	20 46	1 25	11 36	9 50	18 19	18 2	3 39	17 35	4 40
T 4	23 6	10 36	5 13	17 12	2 35	20 38	1 54	23 22	0 34	7 8	1 21	0 55	2 23	22 17	0 31	20 46	1 25	11 36	9 50	18 18	18 1	3 36	17 35	4 40
W 5	23 11	6 45	5 10	17 28	2 29	20 19	1 49	23 27	0 35	7 5	1 21	0 56	2 23	22 16	0 31	20 47	1 25	11 36	9 50	18 18	18 0	3 34	17 34	4 40
T 6	23 15	2 41	4 55	17 45	2 22	20 0	1 45	23 32	0 35	7 2	1 21	0 57	2 23	22 16	0 31	20 47	1 25	11 36	9 50	18 17	17 59	3 32	17 34	4 40
F 7	23 19	1s30	4 27	18 3	2 15	19 40	1 39	23 37	0 36	7 0	1 20	0 59	2 23	22 15	0 31	20 47	1 25	11 36	9 50	18 17	17 59	3 30	17 33	4 40
S 8	23 22	5 39	3 47	18 22	2 8	19 20	1 34	23 41	0 36	6 57	1 20	1 0	2 24	22 15	0 31	20 48	1 25	11 36	9 50	18 17	17 58	3 27	17 33	4 40
S 9	23 25	9 38	2 57	18 42	2 0	19 0	1 29	23 45	0 37	6 54	1 20	1 1	2 24	22 14	0 31	20 48	1 25	11 36	9 50	18 18	17 57	3 25	17 32	4 40
M10	23 28	13 18	1 57	19 2	1 52	18 39	1 23	23 49	0 37	6 51	1 20	1 2	2 24	22 13	0 31	20 48	1 25	11 36	9 50	18 18	17 56	3 23	17 32	4 40
T 11	23 30	16 27	0 51	19 23	1 44	18 18	1 17	23 53	0 38	6 48	1 19	1 3	2 24	22 13	0 31	20 48	1 25	11 36	9 50	18 18	17 55	3 21	17 31	4 40
W12	23 31	18 53	0n19	19 44	1 36	17 57	1 11	23 56	0 38	6 44	1 19	1 4	2 25	22 12	0 31	20 49	1 25	11 35	9 49	18 19	17 54	3 18	17 31	4 40
T 13	23 32	20 22	1 31	20 4	1 27	17 36	1 5	24 0	0 39	6 41	1 19	1 5	2 25	22 12	0 31	20 49	1 25	11 35	9 49	18 18	17 54	3 16	17 30	4 40
F 14	23 33	20 41	2 39	20 25	1 19	17 14	0 58	24 3	0 39	6 38	1 19	1 6	2 25	22 11	0 31	20 49	1 25	11 35	9 49	18 17	17 53	3 14	17 30	4 40
S 15	23 33	19 45	3 39	20 45	1 11	16 53	0 51	24 5	0 40	6 35	1 19	1 7	2 25	22 11	0 31	20 50	1 25	11 35	9 49	18 16	17 52	3 12	17 29	4 40
S 16	23 32	17 33	4 26	21 4	1 2	16 31	0 44	24 8	0 41	6 31	1 18	1 7	2 26	22 10	0 31	20 50	1 25	11 35	9 49	18 14	17 51	3 9	17 29	4 40
M17	23 31	14 14	4 57	21 24	0 54	16 9	0 37	24 10	0 41	6 28	1 18	1 8	2 26	22 10	0 31	20 50	1 25	11 35	9 49	18 13	17 50	3 7	17 28	4 40
T 18	23 30	10 3	5 9	21 42	0 46	15 47	0 30	24 12	0 42	6 24	1 18	1 9	2 26	22 9	0 31	20 51	1 25	11 35	9 49	18 11	17 49	3 5	17 28	4 40
W19	23 28	5 18	5 1	22 0	0 38	15 25	0 22	24 13	0 42	6 21	1 18	1 10	2 27	22 9	0 31	20 51	1 25	11 35	9 49	18 10	17 48	3 3	17 28	4 40
T 20	23 26	0 18	4 35	22 17	0 30	15 3	0 14	24 15	0 43	6 17	1 17	1 10	2 27	22 8	0 31	20 51	1 25	11 35	9 48	18 9	17 48	3 0	17 27	4 40
F 21	23 23	4n40	3 51	22 34	0 22	14 40	0 6	24 16	0 43	6 13	1 17	1 11	2 27	22 7	0 31	20 51	1 25	11 35	9 48	18 8	17 47	2 58	17 27	4 40
S 22	23 20	9 20	2 55	22 49	0 14	14 18	0n 3	24 16	0 44	6 10	1 17	1 12	2 27	22 7	0 31	20 52	1 25	11 35	9 48	18 8	17 46	2 56	17 26	4 40
S 23	23 16	13 26	1 49	23 4	0 6	13 56	0 11	24 17	0 44	6 6	1 17	1 12	2 28	22 6	0 31	20 52	1 25	11 35	9 48	18 9	17 45	2 54	17 26	4 40
M24	23 12	16 46	0 38	23 18	0s 2	13 34	0 20	24 17	0 45	6 2	1 17	1 13	2 28	22 6	0 31	20 52	1 25	11 35	9 48	18 9	17 44	2 52	17 26	4 40
T 25	23 7	19 9	0s34	23 30	0 9	13 11	0 30	24 17	0 45	5 58	1 16	1 13	2 28	22 5	0 31	20 52	1 25	11 35	9 48	18 9	17 43	2 49	17 25	4 40
W26	23 2	20 27	1 43	23 42	0 17	12 49	0 39	24 17	0 46	5 54	1 16	1 13	2 29	22 5	0 31	20 53	1 25	11 35	9 47	18 9	17 42	2 47	17 25	4 40
T 27	22 57	20 39	2 45	23 52	0 24	12 27	0 49	24 16	0 46	5 50	1 16	1 14	2 29	22 4	0 31	20 53	1 25	11 35	9 47	18 7	17 42	2 45	17 25	4 39
F 28	22 51	19 45	3 38	24 2	0 31	12 5	0 59	24 16	0 47	5 46	1 16	1 14	2 29	22 3	0 31	20 53	1 25	11 35	9 47	18 6	17 41	2 43	17 24	4 39
S 29	22 44	17 54	4 20	24 10	0 38	11 44	1 9	24 15	0 47	5 42	1 16	1 15	2 29	22 3	0 31	20 53	1 25	11 35	9 47	18 3	17 40	2 40	17 24	4 39
S 30	22 37	15 14	4 48	24 17	0 44	11 22	1 19	24 13	0 48	5 38	1 15	1 15	2 30	22 2	0 31	20 54	1 25	11 35	9 47	18 0	17 39	2 38	17 24	4 39
M31	22s30	11n57	5s 2	24s23	0s51	11s 1	1n30	24s12	0s48	5s34	1s15	1s15	2n30	22s 2	0s31	20s54	1n25	11n35	9s47	17s57	17s38	2n36	17n24	4s39

Julian Day Number = 2143621.5, Delta T = 15m00s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'08, Lahiri = 12°06'09 Julian Calendar 1 Dec. 1156 == Greg. Calendar 8 Dec. 1156

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

JANUARY 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 16	17♑42'01	25♌49	3♑13	27♒57	7♑14	19♓ 4	8♎55	23♑22	11♐49	4°R54	20°R20	19♏16	12♍24	9°R33	T 1
W 2	7 12 13	18°43'05	7♍46	4°44	28°27	8° 0	19°14	8°56	23°26	11°50	4♊53	20♏11	19°13	12°31	9♊31	W 2
T 3	7 16 9	19°44'08	19°37	6°16	28°55	8°46	19°25	8°57	23°29	11°52	4°52	20° 4	19° 9	12°38	9°28	T 3
F 4	7 20 6	20°45'10	1♎27	7°49	29°21	9°32	19°35	8°58	23°33	11°54	4°51	19°59	19° 6	12°45	9°26	F 4
S 5	7 24 2	21°46'12	13°21	9°23	29°46	10°19	19°46	8°59	23°36	11°56	4°50	19°57	19° 3	12°51	9°23	S 5
S 6	7 27 59	22°47'14	25°22	10°57	0♓ 9	11° 5	19°57	8°59	23°40	11°58	4°50	19°D57	19° 0	12°58	9°21	S 6
M 7	7 31 55	23°48'14	7♏37	12°31	0°30	11°52	20° 8	9° 0	23°43	12° 0	4°49	19°57	18°57	13° 5	9°19	M 7
T 8	7 35 52	24°49'14	20°10	14° 7	0°49	12°38	20°19	9° 0	23°47	12° 2	4°48	19°R58	18°53	13°11	9°16	T 8
W 9	7 39 48	25°50'14	3♐ 7	15°42	1° 6	13°24	20°30	9° 0	23°50	12° 3	4°48	19°57	18°50	13°18	9°14	W 9
T 10	7 43 45	26°51'13	16°30	17°19	1°21	14°11	20°41	9° 0	23°54	12° 5	4°47	19°54	18°47	13°25	9°12	T 10
F 11	7 47 42	27°52'11	0♑22	18°56	1°33	14°57	20°53	9°R 0	23°57	12° 7	4°46	19°48	18°44	13°32	9°10	F 11
S 12	7 51 38	28°53'08	14°40	20°34	1°44	15°44	21° 4	9° 0	24° 1	12° 8	4°46	19°40	18°41	13°38	9° 8	S 12
S 13	7 55 35	29°54'03	29°20	22°13	1°52	16°31	21°16	9° 0	24° 4	12°10	4°45	19°30	18°38	13°45	9° 6	S 13
M14	7 59 31	0♒54'58	14♒15	23°52	1°58	17°17	21°27	9° 0	24° 8	12°12	4°44	19°18	18°34	13°52	9° 4	M14
T 15	8 3 28	1°55'52	29°15	25°32	2° 2	18° 4	21°39	8°59	24°11	12°13	4°44	19° 8	18°31	13°58	9° 3	T 15
W16	8 7 24	2°56'44	14♓11	27°13	2°R 3	18°50	21°51	8°59	24°15	12°15	4°43	18°58	18°28	14° 5	9° 1	W16
T 17	8 11 21	3°57'34	28°54	28°55	2° 1	19°37	22° 3	8°58	24°18	12°17	4°43	18°52	18°25	14°12	8°59	T 17
F 18	8 15 17	4°58'23	13♈19	0♒37	1°57	20°24	22°15	8°58	24°22	12°18	4°42	18°48	18°22	14°19	8°58	F 18
S 19	8 19 14	5°59'11	27°23	2°20	1°51	21°10	22°27	8°57	24°25	12°20	4°42	18°46	18°18	14°25	8°56	S 19
S 20	8 23 11	6°59'57	11♉ 7	4° 4	1°42	21°57	22°39	8°56	24°29	12°21	4°41	18°46	18°15	14°32	8°55	S 20
M21	8 27 7	8° 0'41	24°30	5°49	1°31	22°44	22°51	8°55	24°32	12°23	4°41	18°46	18°12	14°39	8°53	M21
T 22	8 31 4	9° 1'24	7♊37	7°34	1°17	23°31	23° 4	8°54	24°36	12°24	4°40	18°45	18° 9	14°45	8°52	T 22
W23	8 35 0	10° 2'05	20°29	9°20	1° 0	24°17	23°16	8°52	24°39	12°26	4°40	18°41	18° 6	14°52	8°51	W23
T 24	8 38 57	11° 2'44	3♋ 9	11° 7	0°41	25° 4	23°29	8°51	24°42	12°27	4°40	18°35	18° 3	14°59	8°50	T 24
F 25	8 42 53	12° 3'22	15°38	12°55	0°20	25°51	23°41	8°50	24°46	12°28	4°39	18°26	17°59	15° 6	8°49	F 25
S 26	8 46 50	13° 3'58	27°59	14°44	29♒56	26°38	23°54	8°48	24°49	12°30	4°39	18°13	17°56	15°12	8°48	S 26
S 27	8 50 46	14° 4'33	10♌11	16°33	29°30	27°25	24° 7	8°47	24°53	12°31	4°39	17°59	17°53	15°19	8°47	S 27
M28	8 54 43	15° 5'06	22°17	18°23	29° 2	28°12	24°19	8°45	24°56	12°32	4°38	17°45	17°50	15°26	8°46	M28
T 29	8 58 40	16° 5'37	4♍15	20°14	28°33	28°58	24°32	8°43	24°59	12°34	4°38	17°30	17°47	15°32	8°45	T 29
W30	9 2 36	17° 6'07	16° 9	22° 5	28° 1	29°45	24°45	8°41	25° 3	12°35	4°38	17°17	17°44	15°39	8°45	W30
T 31	9 6 33	18♒ 6'35	27♍59	23♒57	27♒28	0♒32	24♓58	8♎39	25♑ 6	12♐36	4♊37	17♏ 7	17♏40	15♍46	8♊44	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s22	8n13	5s 3	24s27	0s57	10s40	1n41	24s10	0s49	5s30	1s15	1s15	2n30	22s 1	0s31	20s54	1n25	11n35	9s46	17s55	17s37	2n34	17n23	4s39
W 2	22 14	4 12	4 50	24 31	1 3	10 19	1 52	24 7	0 49	5 25	1 15	1 15	2 30	22 0	0 31	20 54	1 25	11 35	9 46	17 52	17 36	2 31	17 23	4 39
T 3	22 5	0 4	4 25	24 32	1 9	9 58	2 4	24 5	0 50	5 21	1 15	1 15	2 31	22 0	0 31	20 55	1 25	11 35	9 46	17 50	17 35	2 29	17 23	4 39
F 4	21 56	4s 5	3 49	24 33	1 14	9 38	2 15	24 2	0 50	5 17	1 14	1 15	2 31	21 59	0 31	20 55	1 25	11 36	9 46	17 49	17 35	2 27	17 23	4 38
S 5	21 47	8 5	3 2	24 32	1 20	9 18	2 27	23 59	0 51	5 12	1 14	1 15	2 31	21 59	0 31	20 55	1 25	11 36	9 46	17 48	17 34	2 25	17 22	4 38
S 6	21 37	11 50	2 7	24 30	1 25	8 59	2 40	23 56	0 51	5 8	1 14	1 15	2 32	21 58	0 31	20 55	1 25	11 36	9 45	17 48	17 33	2 23	17 22	4 38
M 7	21 26	15 8	1 5	24 26	1 29	8 40	2 52	23 52	0 52	5 3	1 14	1 15	2 32	21 57	0 31	20 55	1 25	11 36	9 45	17 48	17 32	2 20	17 22	4 38
T 8	21 16	17 51	0n 1	24 21	1 34	8 21	3 5	23 48	0 52	4 59	1 14	1 15	2 32	21 57	0 31	20 56	1 25	11 36	9 45	17 49	17 31	2 18	17 22	4 38
W 9	21 4	19 44	1 9	24 15	1 38	8 3	3 18	23 44	0 52	4 54	1 14	1 15	2 32	21 56	0 31	20 56	1 25	11 36	9 45	17 48	17 30	2 16	17 22	4 38
T 10	20 53	20 36	2 16	24 7	1 42	7 46	3 31	23 40	0 53	4 50	1 13	1 15	2 33	21 56	0 31	20 56	1 25	11 36	9 45	17 48	17 29	2 14	17 21	4 37
F 11	20 41	20 16	3 17	23 57	1 46	7 29	3 44	23 35	0 53	4 45	1 13	1 15	2 33	21 55	0 31	20 56	1 25	11 36	9 44	17 46	17 28	2 11	17 21	4 37
S 12	20 28	18 38	4 8	23 46	1 49	7 13	3 57	23 30	0 54	4 40	1 13	1 14	2 33	21 54	0 31	20 57	1 25	11 36	9 44	17 44	17 28	2 9	17 21	4 37
S 13	20 16	15 46	4 43	23 33	1 52	6 57	4 11	23 25	0 54	4 36	1 13	1 14	2 34	21 54	0 31	20 57	1 25	11 36	9 44	17 41	17 27	2 7	17 21	4 37
M14	20 3	11 50	5 0	23 19	1 55	6 42	4 24	23 20	0 55	4 31	1 13	1 14	2 34	21 53	0 31	20 57	1 25	11 36	9 44	17 38	17 26	2 5	17 21	4 37
T 15	19 49	7 9	4 57	23 3	1 57	6 28	4 38	23 14	0 55	4 26	1 13	1 13	2 34	21 53	0 31	20 57	1 25	11 37	9 43	17 35	17 25	2 3	17 21	4 37
W16	19 35	2 3	4 33	22 46	1 59	6 15	4 52	23 8	0 56	4 21	1 12	1 13	2 34	21 52	0 31	20 57	1 25	11 37	9 43	17 32	17 24	2 0	17 21	4 36
T 17	19 21	3n 6	3 52	22 27	2 1	6 3	5 6	23 2	0 56	4 16	1 12	1 12	2 35	21 51	0 31	20 57	1 25	11 37	9 43	17 31	17 23	1 58	17 21	4 36
F 18	19 7	7 59	2 56	22 6	2 2	5 51	5 20	22 55	0 56	4 12	1 12	1 12	2 35	21 51	0 31	20 58	1 25	11 37	9 43	17 30	17 22	1 56	17 21	4 36
S 19	18 52	12 19	1 51	21 44	2 3	5 40	5 33	22 48	0 57	4 7	1 12	1 11	2 35	21 50	0 31	20 58	1 25	11 37	9 43	17 29	17 21	1 54	17 21	4 36
S 20	18 36	15 52	0 40	21 20	2 4	5 31	5 47	22 41	0 57	4 2	1 12	1 10	2 36	21 49	0 31	20 58	1 25	11 37	9 42	17 29	17 21	1 51	17 21	4 35
M21	18 21	18 29	0s30	20 54	2 4	5 22	6 1	22 34	0 58	3 57	1 12	1 10	2 36	21 49	0 31	20 58	1 25	11 37	9 42	17 29	17 20	1 49	17 21	4 35
T 22	18 5	20 4	1 38	20 27	2 3	5 14	6 14	22 26	0 58	3 52	1 11	1 9	2 36	21 48	0 31	20 58	1 25	11 38	9 42	17 29	17 19	1 47	17 21	4 35
W23	17 49	20 33	2 39	19 58	2 3	5 8	6 27	22 19	0 58	3 47	1 11	1 8	2 36	21 48	0 31	20 58	1 26	11 38	9 42	17 28	17 18	1 45	17 21	4 35
T 24	17 32	19 59	3 31	19 27	2 1	5 3	6 40	22 11	0 59	3 41	1 11	1 8	2 37	21 47	0 31	20 59	1 26	11 38	9 41	17 26	17 17	1 43	17 21	4 35
F 25	17 15	18 27	4 13	18 55	2 0	4 58	6 52	22 2	0 59	3 36	1 11	1 7	2 37	21 46	0 31	20 59	1 26	11 38	9 41	17 23	17 16	1 40	17 21	4 34
S 26	16 58	16 4	4 41	18 21	1 57	4 55	7 4	21 54	0 59	3 31	1 11	1 6	2 37	21 46	0 31	20 59	1 26	11 38	9 41	17 20	17 15	1 38	17 21	4 34
S 27	16 41	13 0	4 57	17 46	1 54	4 53	7 16	21 45	1 0	3 26	1 11	1 5	2 37	21 45	0 31	20 59	1 26	11 38	9 41	17 16	17 14	1 36	17 21	4 34
M28	16 23	9 26	4 58	17 9	1 51	4 52	7 27	21 36	1 0	3 21	1 11	1 4	2 38	21 45	0 31	20 59	1 26	11 39	9 40	17 12	17 13	1 34	17 21	4 34
T 29	16 5	5 32	4 47	16 30	1 47	4 52	7 38	21 27	1 1	3 16	1 11	1 3	2 38	21 44	0 31	20 59	1 26	11 39	9 40	17 8	17 13	1 32	17 21	4 33
W30	15 47	1 27	4 23	15 49	1 42	4 54	7 47	21 17	1 1	3 10	1 10	1 2	2 38	21 43	0 31	20 59	1 26	11 39	9 40	17 4	17 12	1 29	17 22	4 33
T 31	15s28	2s40	3s48	15s 8	1s37	4s56	7n56	21s 7	1s 1	3s 5	1s10	1s 1	2n38	21s43	0s31	20s59	1n26	11n39	9s40	17s 1	17s11	1n27	17n22	4s33

Julian Day Number = 2143652.5, Delta T = 15m00s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'13, Lahiri = 12°06'13 Julian Calendar 1 Jan. 1157 == Greg. Calendar 8 Jan. 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

FEBRUARY 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 10 29	19♒ 7'02	9♎49	25♒49	26°R53	1♒19	25♓11	8°R37	25♑ 9	12♐37	4°R37	17°R 0	17♏37	15♍52	8°R44	F 1
S 2	9 14 26	20° 7'27	21°41	27°42	26♒18	2° 6	25°24	8♎35	25°13	12°38	4♊37	16♏55	17°34	15°59	8♊43	S 2
S 3	9 18 22	21° 7'51	3♏41	29°34	25°41	2°53	25°37	8°32	25°16	12°39	4°37	16°53	17°31	16° 6	8°43	S 3
M 4	9 22 19	22° 8'14	15°52	1♓27	25° 4	3°40	25°51	8°30	25°19	12°41	4°37	16°53	17°28	16°13	8°43	M 4
T 5	9 26 15	23° 8'35	28°21	3°19	24°27	4°27	26° 4	8°28	25°22	12°42	4°37	16°53	17°24	16°19	8°42	T 5
W 6	9 30 12	24° 8'55	11♐13	5°10	23°49	5°14	26°17	8°25	25°26	12°43	4°37	16°52	17°21	16°26	8°42	W 6
T 7	9 34 9	25° 9'13	24°31	7° 1	23°12	6° 1	26°31	8°22	25°29	12°44	4°36	16°49	17°18	16°33	8°D42	T 7
F 8	9 38 5	26° 9'30	8♑19	8°50	22°35	6°48	26°44	8°20	25°32	12°45	4°36	16°44	17°15	16°39	8°42	F 8
S 9	9 42 2	27° 9'45	22°37	10°38	21°58	7°35	26°58	8°17	25°35	12°46	4°36	16°36	17°12	16°46	8°42	S 9
S 10	9 45 58	28° 9'58	7♒22	12°24	21°23	8°22	27°11	8°14	25°38	12°46	4°D36	16°26	17° 9	16°53	8°43	S 10
M11	9 49 55	29°10'10	22°28	14° 8	20°48	9° 9	27°25	8°11	25°41	12°47	4°36	16°15	17° 5	17° 0	8°43	M11
T 12	9 53 51	0♓10'20	7♓43	15°48	20°15	9°56	27°39	8° 8	25°44	12°48	4°36	16° 4	17° 2	17° 6	8°43	T 12
W13	9 57 48	1°10'28	22°59	17°25	19°43	10°43	27°52	8° 5	25°47	12°49	4°36	15°54	16°59	17°13	8°44	W13
T 14	10 1 44	2°10'34	8♈ 2	18°58	19°13	11°30	28° 6	8° 1	25°50	12°50	4°36	15°47	16°56	17°20	8°44	T 14
F 15	10 5 41	3°10'38	22°46	20°27	18°45	12°17	28°20	7°58	25°53	12°50	4°37	15°43	16°53	17°26	8°45	F 15
S 16	10 9 37	4°10'39	7♉ 4	21°50	18°19	13° 4	28°34	7°55	25°56	12°51	4°37	15°41	16°50	17°33	8°46	S 16
S 17	10 13 34	5°10'39	20°57	23° 7	17°55	13°51	28°48	7°51	25°59	12°52	4°37	15°D41	16°46	17°40	8°46	S 17
M18	10 17 31	6°10'36	4♊24	24°19	17°33	14°38	29° 2	7°48	26° 2	12°52	4°37	15°R41	16°43	17°46	8°47	M18
T 19	10 21 27	7°10'31	17°28	25°23	17°13	15°26	29°15	7°44	26° 5	12°53	4°37	15°41	16°40	17°53	8°48	T 19
W20	10 25 24	8°10'24	0♋14	26°21	16°56	16°13	29°29	7°40	26° 8	12°54	4°37	15°38	16°37	18° 0	8°49	W20
T 21	10 29 20	9°10'15	12°44	27°10	16°41	17° 0	29°44	7°37	26°11	12°54	4°38	15°34	16°34	18° 7	8°50	T 21
F 22	10 33 17	10°10'03	25° 2	27°52	16°29	17°47	29°58	7°33	26°13	12°55	4°38	15°26	16°30	18°13	8°51	F 22
S 23	10 37 13	11° 9'49	7♌10	28°26	16°19	18°34	0♈12	7°29	26°16	12°55	4°38	15°16	16°27	18°20	8°52	S 23
S 24	10 41 10	12° 9'33	19°12	28°51	16°11	19°21	0°26	7°25	26°19	12°56	4°38	15° 5	16°24	18°27	8°54	S 24
M25	10 45 6	13° 9'15	1♍ 9	29° 8	16° 6	20° 8	0°40	7°21	26°22	12°56	4°39	14°53	16°21	18°33	8°55	M25
T 26	10 49 3	14° 8'54	13° 3	29°16	16° 4	20°55	0°54	7°17	26°24	12°56	4°39	14°41	16°18	18°40	8°57	T 26
W27	10 53 0	15° 8'32	24°54	29°R17	16°D 4	21°42	1° 8	7°13	26°27	12°57	4°39	14°30	16°15	18°47	8°58	W27
T 28	10 56 56	16♓ 8'07	6♎45	29♓ 8	16♒ 6	22♒29	1♈23	7♎ 9	26♑29	12♐57	4♊40	14♏22	16♏11	18♍53	9♊ 0	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 9	6s42	3s 2	14s24	1s32	5s 0	8n 5	20s57	1s 2	3s 0	1s10	1s 0	2n39	21s42	0s31	21s 0	1n26	11n39	9s39	16s59	17s10	1n25	17n22	4s33
S 2	14 50	10 29	2 9	13 40	1 25	5 5	8 12	20 47	1 2	2 54	1 10	0 59	2 39	21 42	0 31	21 0	1 26	11 40	9 39	16 58	17 9	1 23	17 22	4 32
S 3	14 31	13 53	1 9	12 54	1 18	5 11	8 19	20 37	1 2	2 49	1 10	0 58	2 39	21 41	0 31	21 0	1 26	11 40	9 39	16 57	17 8	1 21	17 22	4 32
M 4	14 12	16 45	0 5	12 6	1 10	5 17	8 25	20 26	1 3	2 44	1 10	0 57	2 39	21 41	0 31	21 0	1 26	11 40	9 39	16 57	17 7	1 18	17 22	4 32
T 5	13 52	18 54	1n 0	11 18	1 2	5 25	8 29	20 15	1 3	2 38	1 10	0 55	2 40	21 40	0 31	21 0	1 26	11 40	9 38	16 57	17 6	1 16	17 23	4 32
W 6	13 32	20 10	2 5	10 29	0 53	5 33	8 33	20 4	1 3	2 33	1 10	0 54	2 40	21 39	0 31	21 0	1 26	11 41	9 38	16 57	17 5	1 14	17 23	4 32
T 7	13 12	20 21	3 5	9 39	0 43	5 43	8 36	19 53	1 4	2 27	1 10	0 53	2 40	21 39	0 31	21 0	1 26	11 41	9 38	16 56	17 4	1 12	17 23	4 31
F 8	12 51	19 21	3 57	8 48	0 33	5 53	8 38	19 41	1 4	2 22	1 9	0 52	2 40	21 38	0 31	21 0	1 26	11 41	9 38	16 55	17 4	1 10	17 23	4 31
S 9	12 31	17 7	4 35	7 57	0 22	6 3	8 39	19 29	1 4	2 16	1 9	0 50	2 41	21 38	0 31	21 0	1 26	11 41	9 37	16 52	17 3	1 7	17 24	4 31
S 10	12 10	13 43	4 57	7 6	0 11	6 14	8 39	19 17	1 4	2 11	1 9	0 49	2 41	21 37	0 31	21 0	1 26	11 41	9 37	16 50	17 2	1 5	17 24	4 31
M11	11 49	9 22	4 59	6 15	0n 1	6 26	8 38	19 5	1 5	2 5	1 9	0 48	2 41	21 37	0 31	21 0	1 26	11 42	9 37	16 46	17 1	1 3	17 24	4 30
T 12	11 28	4 23	4 40	5 24	0 14	6 38	8 36	18 53	1 5	2 0	1 9	0 46	2 41	21 36	0 31	21 1	1 26	11 42	9 37	16 43	17 0	1 1	17 25	4 30
W13	11 6	0n53	4 1	4 35	0 27	6 50	8 33	18 40	1 5	1 54	1 9	0 45	2 41	21 36	0 31	21 1	1 26	11 42	9 36	16 40	16 59	0 59	17 25	4 30
T 14	10 45	6 2	3 5	3 46	0 40	7 3	8 29	18 27	1 5	1 49	1 9	0 43	2 42	21 35	0 31	21 1	1 26	11 42	9 36	16 38	16 58	0 56	17 25	4 29
F 15	10 23	10 43	1 58	2 58	0 54	7 16	8 25	18 14	1 6	1 43	1 9	0 42	2 42	21 34	0 31	21 1	1 26	11 43	9 36	16 37	16 57	0 54	17 26	4 29
S 16	10 1	14 39	0 46	2 13	1 8	7 28	8 20	18 1	1 6	1 37	1 9	0 40	2 42	21 34	0 31	21 1	1 26	11 43	9 36	16 37	16 56	0 52	17 26	4 29
S 17	9 39	17 37	0s28	1 29	1 22	7 41	8 14	17 48	1 6	1 32	1 9	0 39	2 42	21 33	0 31	21 1	1 26	11 43	9 35	16 36	16 55	0 50	17 26	4 29
M18	9 17	19 31	1 38	0 48	1 36	7 54	8 7	17 34	1 6	1 26	1 9	0 37	2 42	21 33	0 31	21 1	1 26	11 44	9 35	16 37	16 54	0 48	17 27	4 28
T 19	8 55	20 17	2 40	0 10	1 50	8 7	8 0	17 21	1 7	1 21	1 8	0 36	2 43	21 32	0 31	21 1	1 27	11 44	9 35	16 36	16 54	0 45	17 27	4 28
W20	8 33	19 59	3 33	0n26	2 3	8 19	7 52	17 7	1 7	1 15	1 8	0 34	2 43	21 32	0 31	21 1	1 27	11 44	9 35	16 36	16 53	0 43	17 27	4 28
T 21	8 10	18 42	4 15	0 57	2 17	8 31	7 44	16 53	1 7	1 9	1 8	0 32	2 43	21 31	0 31	21 1	1 27	11 44	9 34	16 34	16 52	0 41	17 28	4 28
F 22	7 47	16 34	4 44	1 26	2 29	8 43	7 36	16 38	1 7	1 4	1 8	0 31	2 43	21 31	0 31	21 1	1 27	11 45	9 34	16 32	16 51	0 39	17 28	4 27
S 23	7 25	13 44	5 0	1 50	2 41	8 55	7 26	16 24	1 7	0 58	1 8	0 29	2 43	21 30	0 31	21 1	1 27	11 45	9 34	16 29	16 50	0 37	17 29	4 27
S 24	7 2	10 21	5 2	2 10	2 52	9 6	7 17	16 9	1 8	0 52	1 8	0 27	2 43	21 30	0 31	21 1	1 27	11 45	9 34	16 26	16 49	0 34	17 29	4 27
M25	6 39	6 35	4 51	2 26	3 2	9 17	7 7	15 55	1 8	0 46	1 8	0 26	2 44	21 29	0 31	21 1	1 27	11 46	9 33	16 22	16 48	0 32	17 30	4 27
T 26	6 16	2 35	4 27	2 38	3 11	9 27	6 57	15 40	1 8	0 41	1 8	0 24	2 44	21 29	0 31	21 1	1 27	11 46	9 33	16 19	16 47	0 30	17 30	4 26
W27	5 53	1s31	3 52	2 45	3 19	9 37	6 47	15 25	1 8	0 35	1 8	0 22	2 44	21 28	0 31	21 1	1 27	11 46	9 33	16 16	16 46	0 28	17 31	4 26
T 28	5s30	5s32	3s 6	2n48	3n25	9s46	6n37	15s10	1s 8	0s29	1s 8	0s20	2n44	21s28	0s31	21s 1	1n27	11n46	9s33	16s13	16s45	0n26	17n31	4s26

Julian Day Number = 2143683.5, Delta T = 15m00s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'17, Lahiri = 12°06'17 Julian Calendar 1 Feb. 1157 == Greg. Calendar 8 Feb. 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

MARCH 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 0 53	17♓ 7'41	18♎37	28°R53	16♒11	23♒16	1♈37	7°R 5	26♑32	12♐57	4♊40	14°R16	16♏ 8	19♍ 0	9♊ 1	F 1
S 2	11 4 49	18° 7'13	0♏33	28♓30	16°18	24° 3	1°51	7♎ 0	26°34	12°57	4°41	14♏12	16° 5	19° 7	9° 3	S 2
S 3	11 8 46	19° 6'42	12°35	28° 0	16°27	24°50	2° 5	6°56	26°37	12°58	4°41	14°D11	16° 2	19°14	9° 5	S 3
M 4	11 12 42	20° 6'11	24°49	27°24	16°38	25°37	2°20	6°52	26°39	12°58	4°41	14°12	15°59	19°20	9° 7	M 4
T 5	11 16 39	21° 5'37	7♐18	26°43	16°52	26°24	2°34	6°48	26°42	12°58	4°42	14°13	15°55	19°27	9° 9	T 5
W 6	11 20 35	22° 5'01	20° 7	25°58	17° 8	27°11	2°48	6°43	26°44	12°58	4°42	14°R14	15°52	19°34	9°11	W 6
T 7	11 24 32	23° 4'24	3♑19	25°10	17°25	27°58	3° 3	6°39	26°46	12°58	4°43	14°13	15°49	19°40	9°13	T 7
F 8	11 28 29	24° 3'45	16°58	24°19	17°45	28°45	3°17	6°34	26°49	12°58	4°44	14°11	15°46	19°47	9°15	F 8
S 9	11 32 25	25° 3'04	1♒ 6	23°28	18° 6	29°32	3°32	6°30	26°51	12°R58	4°44	14° 6	15°43	19°54	9°17	S 9
S 10	11 36 22	26° 2'21	15°41	22°36	18°29	0♓19	3°46	6°25	26°53	12°58	4°45	14° 0	15°40	20° 0	9°20	S 10
M11	11 40 18	27° 1'37	0♓39	21°46	18°54	1° 6	4° 0	6°21	26°55	12°58	4°45	13°53	15°36	20° 7	9°22	M11
T 12	11 44 15	28° 0'50	15°52	20°57	19°21	1°52	4°15	6°16	26°57	12°58	4°46	13°46	15°33	20°14	9°25	T 12
W13	11 48 11	29° 0'01	1♈ 9	20°12	19°49	2°39	4°29	6°12	27° 0	12°58	4°47	13°40	15°30	20°21	9°27	W13
T 14	11 52 8	29°59'11	16°19	19°29	20°18	3°26	4°44	6° 7	27° 2	12°58	4°47	13°35	15°27	20°27	9°30	T 14
F 15	11 56 4	0♈58'18	1♉14	18°51	20°50	4°13	4°58	6° 3	27° 4	12°57	4°48	13°33	15°24	20°34	9°32	F 15
S 16	12 0 1	1°57'23	15°46	18°18	21°22	5° 0	5°13	5°58	27° 6	12°57	4°49	13°D32	15°21	20°41	9°35	S 16
S 17	12 3 57	2°56'25	29°50	17°49	21°56	5°47	5°27	5°53	27° 7	12°57	4°49	13°33	15°17	20°47	9°38	S 17
M18	12 7 54	3°55'26	13♊27	17°26	22°31	6°33	5°42	5°49	27° 9	12°57	4°50	13°34	15°14	20°54	9°41	M18
T 19	12 11 51	4°54'24	26°38	17° 8	23° 8	7°20	5°56	5°44	27°11	12°56	4°51	13°36	15°11	21° 1	9°44	T 19
W20	12 15 47	5°53'19	9♋26	16°55	23°46	8° 7	6°11	5°39	27°13	12°56	4°52	13°R36	15° 8	21° 7	9°47	W20
T 21	12 19 44	6°52'13	21°56	16°48	24°24	8°54	6°25	5°35	27°15	12°56	4°52	13°35	15° 5	21°14	9°50	T 21
F 22	12 23 40	7°51'04	4♌10	16°D47	25° 4	9°40	6°39	5°30	27°16	12°55	4°53	13°32	15° 1	21°21	9°53	F 22
S 23	12 27 37	8°49'52	16°13	16°50	25°45	10°27	6°54	5°26	27°18	12°55	4°54	13°27	14°58	21°28	9°56	S 23
S 24	12 31 33	9°48'39	28°10	16°59	26°28	11°14	7° 8	5°21	27°20	12°54	4°55	13°22	14°55	21°34	9°59	S 24
M25	12 35 30	10°47'23	10♍ 2	17°13	27°11	12° 0	7°23	5°16	27°21	12°54	4°56	13°16	14°52	21°41	10° 3	M25
T 26	12 39 26	11°46'05	21°52	17°32	27°55	12°47	7°37	5°12	27°23	12°53	4°57	13°10	14°49	21°48	10° 6	T 26
W27	12 43 23	12°44'45	3♎44	17°55	28°40	13°34	7°52	5° 7	27°24	12°53	4°58	13° 5	14°46	21°54	10° 9	W27
T 28	12 47 20	13°43'23	15°37	18°23	29°26	14°20	8° 6	5° 3	27°26	12°52	4°59	13° 1	14°42	22° 1	10°13	T 28
F 29	12 51 16	14°41'59	27°36	18°55	0♓12	15° 7	8°21	4°58	27°27	12°51	4°59	12°59	14°39	22° 8	10°16	F 29
S 30	12 55 13	15°40'33	9♏40	19°31	1° 0	15°53	8°35	4°54	27°28	12°51	5° 0	12°D58	14°36	22°14	10°20	S 30
S 31	12 59 9	16♈39'05	21♏53	20♓11	1♓48	16♓40	8♈49	4♎49	27♑30	12♐50	5♊ 1	12♏58	14♏33	22♍21	10♊23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s 6	9s22	2s13	2n46	3n30	9s55	6n26	14s54	1s 9	0s24	1s 8	0s19	2n44	21s27	0s31	21s 1	1n27	11n47	9s32	16s11	16s44	0n24	17n32	4s26
S 2	4 43	12 51	1 13	2 39	3 33	10 3	6 15	14 39	1 9	0 18	1 8	0 17	2 44	21 27	0 32	21 1	1 27	11 47	9 32	16 10	16 44	0 21	17 32	4 25
S 3	4 20	15 49	0 9	2 29	3 35	10 11	6 5	14 23	1 9	0 12	1 8	0 15	2 44	21 27	0 32	21 1	1 27	11 47	9 32	16 10	16 43	0 19	17 33	4 25
M 4	3 56	18 8	0n57	2 14	3 34	10 18	5 54	14 7	1 9	0 6	1 8	0 13	2 45	21 26	0 32	21 1	1 27	11 48	9 32	16 10	16 42	0 17	17 33	4 25
T 5	3 33	19 38	2 1	1 56	3 32	10 24	5 43	13 51	1 9	0 1	1 8	0 11	2 45	21 26	0 32	21 1	1 27	11 48	9 31	16 11	16 41	0 15	17 34	4 25
W 6	3 9	20 10	3 1	1 34	3 28	10 30	5 32	13 35	1 9	0n 5	1 8	0 10	2 45	21 25	0 32	21 1	1 27	11 48	9 31	16 11	16 40	0 13	17 34	4 25
T 7	2 46	19 37	3 53	1 10	3 22	10 35	5 21	13 19	1 9	0 11	1 8	0 8	2 45	21 25	0 32	21 1	1 27	11 49	9 31	16 11	16 39	0 11	17 35	4 24
F 8	2 22	17 56	4 34	0 43	3 15	10 40	5 10	13 3	1 9	0 17	1 8	0 6	2 45	21 24	0 32	21 1	1 27	11 49	9 31	16 10	16 38	0 8	17 35	4 24
S 9	1 59	15 7	5 0	0 14	3 5	10 43	4 59	12 46	1 9	0 23	1 7	0 4	2 45	21 24	0 32	21 1	1 27	11 49	9 30	16 9	16 37	0 6	17 36	4 24
S 10	1 35	11 18	5 8	0s17	2 55	10 47	4 48	12 30	1 10	0 28	1 7	0 2	2 45	21 24	0 32	21 1	1 27	11 50	9 30	16 7	16 36	0 4	17 36	4 24
M11	1 11	6 42	4 55	0 48	2 43	10 49	4 38	12 13	1 10	0 34	1 7	0 0	2 45	21 23	0 32	21 1	1 27	11 50	9 30	16 5	16 35	0 2	17 37	4 23
T 12	0 48	1 35	4 21	1 19	2 29	10 51	4 27	11 56	1 10	0 40	1 7	0n 2	2 45	21 23	0 32	21 1	1 27	11 50	9 30	16 3	16 34	0s 0	17 38	4 23
W13	0 24	3n39	3 29	1 50	2 15	10 53	4 17	11 40	1 10	0 46	1 7	0 3	2 45	21 22	0 32	21 1	1 27	11 51	9 30	16 1	16 33	0 3	17 38	4 23
T 14	0 0	8 38	2 22	2 20	2 1	10 53	4 6	11 23	1 10	0 51	1 7	0 5	2 45	21 22	0 32	21 1	1 28	11 51	9 29	15 59	16 32	0 5	17 39	4 23
F 15	0n23	12 59	1 6	2 49	1 45	10 54	3 56	11 5	1 10	0 57	1 7	0 7	2 45	21 22	0 32	21 0	1 28	11 51	9 29	15 59	16 31	0 7	17 39	4 22
S 16	0 47	16 26	0s12	3 17	1 29	10 53	3 45	10 48	1 10	1 3	1 7	0 9	2 45	21 21	0 32	21 0	1 28	11 52	9 29	15 58	16 31	0 9	17 40	4 22
S 17	1 10	18 47	1 27	3 43	1 14	10 52	3 35	10 31	1 10	1 9	1 7	0 11	2 45	21 21	0 32	21 0	1 28	11 52	9 29	15 59	16 30	0 11	17 41	4 22
M18	1 34	19 57	2 35	4 6	0 58	10 50	3 25	10 14	1 10	1 15	1 7	0 13	2 46	21 21	0 32	21 0	1 28	11 52	9 28	15 59	16 29	0 13	17 41	4 22
T 19	1 57	19 57	3 33	4 28	0 42	10 48	3 15	9 56	1 10	1 20	1 7	0 15	2 46	21 20	0 32	21 0	1 28	11 53	9 28	15 59	16 28	0 15	17 42	4 22
W20	2 21	18 55	4 18	4 47	0 26	10 44	3 6	9 39	1 10	1 26	1 7	0 17	2 46	21 20	0 32	21 0	1 28	11 53	9 28	15 59	16 27	0 18	17 42	4 21
T 21	2 44	16 59	4 49	5 4	0 11	10 41	2 56	9 21	1 10	1 32	1 7	0 18	2 46	21 20	0 32	21 0	1 28	11 53	9 28	15 59	16 26	0 20	17 43	4 21
F 22	3 8	14 20	5 7	5 18	0s 4	10 36	2 46	9 3	1 10	1 38	1 7	0 20	2 46	21 19	0 32	21 0	1 28	11 54	9 28	15 58	16 25	0 22	17 44	4 21
S 23	3 31	11 6	5 11	5 30	0 18	10 32	2 37	8 46	1 10	1 43	1 7	0 22	2 46	21 19	0 32	21 0	1 28	11 54	9 27	15 57	16 24	0 24	17 44	4 21
S 24	3 54	7 27	5 1	5 39	0 32	10 26	2 28	8 28	1 10	1 49	1 7	0 24	2 46	21 19	0 32	21 0	1 28	11 55	9 27	15 55	16 23	0 26	17 45	4 21
M25	4 17	3 33	4 38	5 46	0 45	10 20	2 19	8 10	1 10	1 55	1 7	0 26	2 46	21 19	0 32	21 0	1 28	11 55	9 27	15 54	16 22	0 28	17 46	4 20
T 26	4 40	0s30	4 4	5 50	0 58	10 13	2 10	7 52	1 10	2 1	1 7	0 28	2 46	21 18	0 32	20 59	1 28	11 55	9 27	15 52	16 21	0 31	17 46	4 20
W27	5 3	4 31	3 18	5 52	1 10	10 6	2 1	7 34	1 10	2 6	1 7	0 29	2 46	21 18	0 32	20 59	1 28	11 56	9 27	15 50	16 20	0 33	17 47	4 20
T 28	5 26	8 24	2 24	5 51	1 21	9 58	1 53	7 16	1 10	2 12	1 7	0 31	2 46	21 18	0 32	20 59	1 28	11 56	9 26	15 49	16 19	0 35	17 48	4 20
F 29	5 49	11 58	1 23	5 48	1 32	9 50	1 44	6 58	1 10	2 18	1 7	0 33	2 46	21 18	0 32	20 59	1 28	11 56	9 26	15 48	16 18	0 37	17 48	4 20
S 30	6 12	15 4	0 18	5 43	1 42	9 41	1 36	6 40	1 10	2 23	1 7	0 35	2 46	21 17	0 32	20 59	1 28	11 57	9 26	15 48	16 17	0 39	17 49	4 19
S 31	6n34	17s32	0n49	5s36	1s51	9s31	1n28	6s22	1s10	2n29	1s 7	0n36	2n45	21s17	0s32	20s59	1n28	11n57	9s26	15s48	16s17	0s41	17n50	4s19

Julian Day Number = 2143711.5, Delta T = 15m00s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'21, Lahiri = 12°06'21 Julian Calendar 1 March 1157 == Greg. Calendar 8 March 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

APRIL 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 3 6	17♈37'36	4♐17	20♓55	2♓37	17♓26	9♈ 4	4°R45	27♑31	12°R49	5♊ 2	12♏59	14♏30	22♍28	10♊27	M 1
T 2	13 7 2	18°36'05	16°54	21°42	3°27	18°12	9°18	4♎40	27°32	12♐48	5° 3	13° 1	14°27	22°34	10°31	T 2
W 3	13 10 59	19°34'32	29°48	22°33	4°18	18°59	9°32	4°36	27°33	12°48	5° 4	13° 2	14°23	22°41	10°35	W 3
T 4	13 14 55	20°32'57	13♑ 1	23°27	5° 9	19°45	9°47	4°31	27°34	12°47	5° 5	13° 3	14°20	22°48	10°39	T 4
F 5	13 18 52	21°31'21	26°36	24°24	6° 1	20°31	10° 1	4°27	27°35	12°46	5° 6	13°R 3	14°17	22°55	10°42	F 5
S 6	13 22 49	22°29'44	10♒34	25°24	6°53	21°18	10°15	4°23	27°36	12°45	5° 8	13° 2	14°14	23° 1	10°46	S 6
S 7	13 26 45	23°28'04	24°54	26°27	7°46	22° 4	10°30	4°19	27°37	12°44	5° 9	13° 1	14°11	23° 8	10°50	S 7
M 8	13 30 42	24°26'23	9♓34	27°32	8°40	22°50	10°44	4°14	27°38	12°43	5°10	12°59	14° 7	23°15	10°54	M 8
T 9	13 34 38	25°24'41	24°28	28°40	9°34	23°36	10°58	4°10	27°39	12°42	5°11	12°56	14° 4	23°21	10°58	T 9
W10	13 38 35	26°22'57	9♈30	29°51	10°29	24°23	11°12	4° 6	27°40	12°41	5°12	12°54	14° 1	23°28	11° 3	W10
T 11	13 42 31	27°21'11	24°30	1♈ 4	11°24	25° 9	11°27	4° 2	27°41	12°40	5°13	12°53	13°58	23°35	11° 7	T 11
F 12	13 46 28	28°19'23	9♉20	2°19	12°20	25°55	11°41	3°58	27°41	12°39	5°14	12°D52	13°55	23°41	11°11	F 12
S 13	13 50 24	29°17'34	23°53	3°37	13°16	26°41	11°55	3°54	27°42	12°38	5°15	12°52	13°52	23°48	11°15	S 13
S 14	13 54 21	0♉15'43	8♊ 2	4°57	14°13	27°27	12° 9	3°50	27°43	12°37	5°16	12°53	13°48	23°55	11°20	S 14
M15	13 58 18	1°13'50	21°46	6°19	15°10	28°13	12°23	3°46	27°43	12°36	5°18	12°54	13°45	24° 1	11°24	M15
T 16	14 2 14	2°11'55	5♋ 5	7°44	16° 8	28°59	12°37	3°42	27°44	12°35	5°19	12°55	13°42	24° 8	11°28	T 16
W17	14 6 11	3° 9'58	17°59	9°10	17° 5	29°45	12°51	3°39	27°44	12°34	5°20	12°56	13°39	24°15	11°33	W17
T 18	14 10 7	4° 7'59	0♌32	10°39	18° 4	0♈30	13° 5	3°35	27°44	12°33	5°21	12°R56	13°36	24°22	11°37	T 18
F 19	14 14 4	5° 5'58	12°48	12° 9	19° 3	1°16	13°19	3°31	27°45	12°32	5°22	12°56	13°32	24°28	11°42	F 19
S 20	14 18 0	6° 3'55	24°51	13°42	20° 2	2° 2	13°33	3°28	27°45	12°30	5°24	12°56	13°29	24°35	11°46	S 20
S 21	14 21 57	7° 1'50	6♍46	15°17	21° 1	2°48	13°47	3°24	27°45	12°29	5°25	12°55	13°26	24°42	11°51	S 21
M22	14 25 53	7°59'44	18°37	16°53	22° 1	3°33	14° 0	3°21	27°46	12°28	5°26	12°54	13°23	24°48	11°56	M22
T 23	14 29 50	8°57'36	0♎27	18°32	23° 1	4°19	14°14	3°18	27°46	12°27	5°27	12°54	13°20	24°55	12° 0	T 23
W24	14 33 46	9°55'26	12°21	20°13	24° 1	5° 4	14°28	3°15	27°46	12°25	5°29	12°53	13°17	25° 2	12° 5	W24
T 25	14 37 43	10°53'14	24°20	21°56	25° 2	5°50	14°42	3°11	27°46	12°24	5°30	12°53	13°13	25° 8	12°10	T 25
F 26	14 41 40	11°51'01	6♏27	23°41	26° 3	6°35	14°55	3° 8	27°R46	12°23	5°31	12°53	13°10	25°15	12°14	F 26
S 27	14 45 36	12°48'46	18°44	25°28	27° 5	7°21	15° 9	3° 5	27°46	12°21	5°33	12°53	13° 7	25°22	12°19	S 27
S 28	14 49 33	13°46'31	1♐13	27°17	28° 6	8° 6	15°22	3° 2	27°46	12°20	5°34	12°53	13° 4	25°28	12°24	S 28
M29	14 53 29	14°44'13	13°54	29° 8	29° 8	8°52	15°36	2°59	27°46	12°19	5°35	12°53	13° 1	25°35	12°29	M29
T 30	14 57 26	15♉41'55	26♐49	1♉ 1	0♈10	9♈37	15♈49	2♎57	27♑45	12♐17	5♊36	12♏53	12♏58	25♍42	12♊34	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n57	19s13	1n55	5s27	1s59	9s21	1n20	6s 3	1s10	2n35	1s 7	0n38	2n45	21s17	0s32	20s59	1n28	11n57	9s26	15s48	16s16	0s43	17n50	4s19
T 2	7 19	19 59	2 56	5 15	2 7	9 10	1 12	5 45	1 10	2 40	1 7	0 40	2 45	21 17	0 32	20 59	1 28	11 58	9 25	15 49	16 15	0 46	17 51	4 19
W 3	7 42	19 43	3 50	5 2	2 15	8 59	1 4	5 27	1 9	2 46	1 7	0 42	2 45	21 16	0 32	20 59	1 28	11 58	9 25	15 49	16 14	0 48	17 52	4 19
T 4	8 4	18 22	4 33	4 46	2 21	8 47	0 56	5 8	1 9	2 52	1 7	0 43	2 45	21 16	0 33	20 58	1 28	11 58	9 25	15 50	16 13	0 50	17 52	4 19
F 5	8 26	15 59	5 3	4 29	2 27	8 35	0 49	4 50	1 9	2 57	1 7	0 45	2 45	21 16	0 33	20 58	1 28	11 59	9 25	15 50	16 12	0 52	17 53	4 19
S 6	8 48	12 37	5 15	4 10	2 32	8 23	0 42	4 31	1 9	3 3	1 7	0 47	2 45	21 16	0 33	20 58	1 28	11 59	9 25	15 49	16 11	0 54	17 54	4 18
S 7	9 9	8 26	5 9	3 49	2 37	8 9	0 35	4 13	1 9	3 8	1 7	0 48	2 45	21 16	0 33	20 58	1 28	12 0	9 24	15 49	16 10	0 56	17 55	4 18
M 8	9 31	3 40	4 42	3 26	2 41	7 56	0 28	3 54	1 9	3 14	1 7	0 50	2 45	21 16	0 33	20 58	1 28	12 0	9 24	15 48	16 9	0 58	17 55	4 18
T 9	9 52	1n25	3 57	3 2	2 44	7 42	0 21	3 36	1 9	3 20	1 7	0 51	2 45	21 16	0 33	20 58	1 28	12 0	9 24	15 47	16 8	1 1	17 56	4 18
W10	10 14	6 27	2 54	2 36	2 47	7 27	0 14	3 18	1 9	3 25	1 7	0 53	2 45	21 15	0 33	20 57	1 28	12 1	9 24	15 47	16 7	1 3	17 57	4 18
T 11	10 35	11 5	1 40	2 9	2 49	7 12	0 8	2 59	1 8	3 31	1 7	0 54	2 45	21 15	0 33	20 57	1 29	12 1	9 24	15 46	16 6	1 5	17 57	4 18
F 12	10 56	14 59	0 20	1 40	2 50	6 56	0 1	2 40	1 8	3 36	1 7	0 56	2 45	21 15	0 33	20 57	1 29	12 1	9 24	15 46	16 5	1 7	17 58	4 18
S 13	11 16	17 51	1s 1	1 10	2 51	6 41	0s 5	2 22	1 8	3 42	1 8	0 57	2 44	21 15	0 33	20 57	1 29	12 2	9 23	15 46	16 4	1 9	17 59	4 17
S 14	11 37	19 32	2 15	0 38	2 51	6 24	0 11	2 3	1 8	3 47	1 8	0 59	2 44	21 15	0 33	20 57	1 29	12 2	9 23	15 47	16 3	1 11	17 59	4 17
M15	11 57	19 59	3 19	0 5	2 51	6 8	0 17	1 45	1 8	3 53	1 8	1 0	2 44	21 15	0 33	20 57	1 29	12 2	9 23	15 47	16 2	1 13	18 0	4 17
T 16	12 17	19 16	4 11	0n29	2 50	5 50	0 22	1 26	1 7	3 58	1 8	1 2	2 44	21 15	0 33	20 57	1 29	12 3	9 23	15 47	16 1	1 16	18 1	4 17
W17	12 37	17 35	4 48	1 5	2 48	5 33	0 28	1 8	1 7	4 4	1 8	1 3	2 44	21 15	0 33	20 56	1 29	12 3	9 23	15 47	16 0	1 18	18 2	4 17
T 18	12 57	15 5	5 10	1 41	2 46	5 15	0 33	0 49	1 7	4 9	1 8	1 4	2 44	21 15	0 33	20 56	1 29	12 3	9 23	15 47	15 59	1 20	18 2	4 17
F 19	13 17	11 58	5 17	2 19	2 43	4 57	0 39	0 31	1 7	4 14	1 8	1 6	2 44	21 15	0 33	20 56	1 29	12 4	9 22	15 47	15 58	1 22	18 3	4 17
S 20	13 36	8 25	5 10	2 58	2 40	4 38	0 44	0 12	1 7	4 20	1 8	1 7	2 44	21 15	0 33	20 56	1 29	12 4	9 22	15 47	15 57	1 24	18 4	4 17
S 21	13 55	4 34	4 50	3 39	2 36	4 19	0 49	0n 6	1 6	4 25	1 8	1 8	2 43	21 15	0 33	20 56	1 29	12 4	9 22	15 47	15 57	1 26	18 4	4 17
M22	14 14	0 34	4 18	4 20	2 32	4 0	0 54	0 25	1 6	4 30	1 8	1 9	2 43	21 15	0 33	20 55	1 29	12 5	9 22	15 47	15 56	1 28	18 5	4 16
T 23	14 33	3s27	3 34	5 2	2 27	3 41	0 58	0 43	1 6	4 36	1 8	1 11	2 43	21 15	0 33	20 55	1 29	12 5	9 22	15 47	15 55	1 30	18 6	4 16
W24	14 51	7 23	2 42	5 45	2 21	3 21	1 3	1 1	1 6	4 41	1 8	1 12	2 43	21 15	0 33	20 55	1 29	12 5	9 22	15 47	15 54	1 32	18 6	4 16
T 25	15 10	11 2	1 41	6 29	2 15	3 1	1 7	1 20	1 5	4 46	1 8	1 13	2 43	21 15	0 33	20 55	1 29	12 6	9 22	15 47	15 53	1 35	18 7	4 16
F 26	15 27	14 18	0 36	7 14	2 9	2 40	1 12	1 38	1 5	4 51	1 8	1 14	2 43	21 15	0 33	20 55	1 29	12 6	9 22	15 47	15 52	1 37	18 8	4 16
S 27	15 45	16 57	0n32	8 0	2 2	2 20	1 16	1 56	1 5	4 57	1 8	1 15	2 42	21 15	0 33	20 55	1 29	12 6	9 21	15 47	15 51	1 39	18 8	4 16
S 28	16 3	18 52	1 40	8 46	1 54	1 59	1 20	2 15	1 4	5 2	1 8	1 16	2 42	21 15	0 33	20 54	1 29	12 7	9 21	15 47	15 50	1 41	18 9	4 16
M29	16 20	19 52	2 44	9 33	1 47	1 37	1 24	2 33	1 4	5 7	1 8	1 17	2 42	21 15	0 33	20 54	1 29	12 7	9 21	15 47	15 49	1 43	18 10	4 16
T 30	16n37	19s50	3n40	10n21	1s38	1s16	1s27	2n51	1s 4	5n12	1s 8	1n18	2n42	21s15	0s33	20s54	1n29	12n 7	9s21	15s46	15s48	1s45	18n10	4s16

Julian Day Number = 2143742.5, Delta T = 15m00s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'25, Lahiri = 12°06'25 Julian Calendar 1 Apr. 1157 == Greg. Calendar 8 Apr. 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

MAY 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 1 22	16♉39'35	9♋58	2♉56	1♈13	10♈22	16♈ 3	2°R54	27°R45	12°R16	5♊38	12°R52	12♏54	25♍48	12♊39	W 1
T 2	15 5 19	17°37'14	23°22	4°53	2°16	11° 7	16°16	2♎51	27♋45	12♐15	5°39	12♏52	12°51	25°55	12°44	T 2
F 3	15 9 15	18°34'53	7♒ 2	6°52	3°18	11°53	16°29	2°49	27°45	12°13	5°40	12°52	12°48	26° 2	12°49	F 3
S 4	15 13 12	19°32'30	20°57	8°53	4°22	12°38	16°43	2°46	27°44	12°12	5°42	12°D52	12°45	26° 9	12°54	S 4
S 5	15 17 9	20°30'06	5♓ 6	10°56	5°25	13°23	16°56	2°44	27°44	12°10	5°43	12°52	12°42	26°15	12°59	S 5
M 6	15 21 5	21°27'41	19°28	13° 0	6°29	14° 8	17° 9	2°42	27°43	12° 9	5°44	12°52	12°38	26°22	13° 4	M 6
T 7	15 25 2	22°25'15	4♈ 0	15° 6	7°33	14°53	17°22	2°39	27°43	12° 7	5°46	12°53	12°35	26°29	13° 9	T 7
W 8	15 28 58	23°22'49	18°37	17°14	8°37	15°38	17°35	2°37	27°42	12° 6	5°47	12°54	12°32	26°35	13°14	W 8
T 9	15 32 55	24°20'21	3♉14	19°22	9°41	16°23	17°48	2°35	27°42	12° 4	5°49	12°54	12°29	26°42	13°19	T 9
F 10	15 36 51	25°17'53	17°45	21°32	10°46	17° 7	18° 1	2°33	27°41	12° 3	5°50	12°R54	12°26	26°49	13°24	F 10
S 11	15 40 48	26°15'23	2♊ 4	23°43	11°50	17°52	18°14	2°32	27°40	12° 1	5°51	12°54	12°23	26°55	13°29	S 11
S 12	15 44 44	27°12'53	16° 6	25°54	12°55	18°37	18°27	2°30	27°39	12° 0	5°53	12°53	12°19	27° 2	13°34	S 12
M13	15 48 41	28°10'21	29°48	28° 6	14° 0	19°21	18°39	2°28	27°39	11°58	5°54	12°51	12°16	27° 9	13°39	M13
T 14	15 52 38	29° 7'48	13♋ 7	0♊18	15° 5	20° 6	18°52	2°27	27°38	11°56	5°55	12°49	12°13	27°15	13°45	T 14
W15	15 56 34	0♊ 5'14	26° 3	2°30	16°11	20°51	19° 4	2°25	27°37	11°55	5°57	12°46	12°10	27°22	13°50	W15
T 16	16 0 31	1° 2'38	8♌39	4°42	17°16	21°35	19°17	2°24	27°36	11°53	5°58	12°45	12° 7	27°29	13°55	T 16
F 17	16 4 27	2° 0'02	20°58	6°52	18°22	22°19	19°29	2°23	27°35	11°52	6° 0	12°43	12° 4	27°35	14° 0	F 17
S 18	16 8 24	2°57'24	3♍ 2	9° 2	19°28	23° 4	19°42	2°21	27°34	11°50	6° 1	12°D43	12° 0	27°42	14° 6	S 18
S 19	16 12 20	3°54'45	14°58	11°11	20°34	23°48	19°54	2°20	27°33	11°49	6° 2	12°43	11°57	27°49	14°11	S 19
M20	16 16 17	4°52'05	26°49	13°18	21°40	24°32	20° 6	2°19	27°32	11°47	6° 4	12°45	11°54	27°55	14°16	M20
T 21	16 20 13	5°49'24	8♎40	15°24	22°46	25°16	20°18	2°18	27°31	11°45	6° 5	12°46	11°51	28° 2	14°22	T 21
W22	16 24 10	6°46'42	20°36	17°28	23°53	26° 0	20°30	2°18	27°29	11°44	6° 7	12°48	11°48	28° 9	14°27	W22
T 23	16 28 7	7°43'59	2♏41	19°30	24°59	26°45	20°42	2°17	27°28	11°42	6° 8	12°49	11°44	28°16	14°32	T 23
F 24	16 32 3	8°41'16	14°58	21°30	26° 6	27°29	20°54	2°16	27°27	11°40	6° 9	12°R49	11°41	28°22	14°37	F 24
S 25	16 36 0	9°38'31	27°28	23°28	27°13	28°12	21° 6	2°16	27°26	11°39	6°11	12°48	11°38	28°29	14°43	S 25
S 26	16 39 56	10°35'46	10♐15	25°24	28°20	28°56	21°18	2°16	27°24	11°37	6°12	12°46	11°35	28°36	14°48	S 26
M27	16 43 53	11°33'00	23°18	27°17	29°27	29°40	21°29	2°15	27°23	11°36	6°14	12°43	11°32	28°42	14°54	M27
T 28	16 47 49	12°30'14	6♑36	29° 8	0♉34	0♉24	21°41	2°15	27°21	11°34	6°15	12°39	11°29	28°49	14°59	T 28
W29	16 51 46	13°27'27	20° 8	0♋57	1°41	1° 8	21°53	2°D15	27°20	11°32	6°16	12°34	11°25	28°56	15° 4	W29
T 30	16 55 43	14°24'40	3♒53	2°44	2°49	1°51	22° 4	2°15	27°18	11°31	6°18	12°30	11°22	29° 2	15°10	T 30
F 31	16 59 39	15♊21'53	17♒48	4♋28	3♉56	2♉35	22♈15	2♎15	27♋17	11♐29	6♊19	12♏26	11♏19	29♍ 9	15♊15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n53	18s44	4n27	11n 9	1s30	0s54	1s31	3n 9	1s 4	5n17	1s 9	1n19	2n42	21s15	0s33	20s54	1n29	12n 8	9s21	15s46	15s47	1s47	18n11	4s16
T 2	17 10	16 36	4 59	11 57	1 20	0 32	1 34	3 27	1 3	5 22	1 9	1 20	2 42	21 15	0 33	20 54	1 29	12 8	9 21	15 46	15 46	1 49	18 12	4 16
F 3	17 26	13 30	5 16	12 45	1 11	0 10	1 38	3 45	1 3	5 27	1 9	1 21	2 41	21 15	0 34	20 53	1 29	12 8	9 21	15 46	15 45	1 51	18 12	4 16
S 4	17 42	9 37	5 14	13 34	1 1	0n12	1 41	4 3	1 3	5 32	1 9	1 21	2 41	21 15	0 34	20 53	1 29	12 9	9 21	15 46	15 44	1 54	18 13	4 16
S 5	17 57	5 8	4 54	14 22	0 51	0 34	1 44	4 21	1 2	5 37	1 9	1 22	2 41	21 15	0 34	20 53	1 29	12 9	9 21	15 46	15 43	1 56	18 14	4 16
M 6	18 13	0 17	4 15	15 10	0 41	0 57	1 47	4 39	1 2	5 42	1 9	1 23	2 41	21 16	0 34	20 53	1 29	12 9	9 20	15 46	15 42	1 58	18 14	4 16
T 7	18 27	4n39	3 19	15 57	0 30	1 20	1 49	4 57	1 2	5 47	1 9	1 24	2 41	21 16	0 34	20 53	1 29	12 10	9 20	15 46	15 41	2 0	18 15	4 16
W 8	18 42	9 20	2 11	16 44	0 20	1 43	1 52	5 14	1 1	5 52	1 9	1 24	2 40	21 16	0 34	20 52	1 29	12 10	9 20	15 47	15 40	2 2	18 16	4 16
T 9	18 56	13 29	0 53	17 30	0 9	2 6	1 55	5 32	1 1	5 57	1 9	1 25	2 40	21 16	0 34	20 52	1 29	12 10	9 20	15 47	15 39	2 4	18 16	4 16
F 10	19 10	16 46	0s27	18 15	0n 2	2 29	1 57	5 49	1 0	6 2	1 9	1 25	2 40	21 16	0 34	20 52	1 29	12 11	9 20	15 47	15 38	2 6	18 17	4 16
S 11	19 24	18 58	1 44	18 59	0 12	2 52	1 59	6 7	1 0	6 7	1 9	1 26	2 40	21 16	0 34	20 52	1 29	12 11	9 20	15 47	15 37	2 8	18 18	4 16
S 12	19 37	19 56	2 54	19 41	0 23	3 16	2 1	6 24	1 0	6 11	1 9	1 26	2 39	21 17	0 34	20 51	1 29	12 11	9 20	15 46	15 36	2 10	18 18	4 16
M13	19 51	19 42	3 51	20 22	0 33	3 39	2 3	6 42	0 59	6 16	1 10	1 27	2 39	21 17	0 34	20 51	1 29	12 12	9 20	15 46	15 35	2 12	18 19	4 16
T 14	20 3	18 21	4 35	21 0	0 43	4 3	2 5	6 59	0 59	6 21	1 10	1 27	2 39	21 17	0 34	20 51	1 29	12 12	9 20	15 45	15 34	2 15	18 19	4 16
W15	20 16	16 5	5 2	21 37	0 52	4 26	2 7	7 16	0 58	6 26	1 10	1 28	2 39	21 17	0 34	20 51	1 29	12 12	9 20	15 45	15 33	2 17	18 20	4 16
T 16	20 28	13 7	5 15	22 11	1 1	4 50	2 9	7 33	0 58	6 30	1 10	1 28	2 39	21 17	0 34	20 51	1 29	12 12	9 20	15 44	15 32	2 19	18 21	4 16
F 17	20 39	9 38	5 12	22 42	1 10	5 14	2 10	7 50	0 58	6 35	1 10	1 28	2 38	21 18	0 34	20 50	1 29	12 13	9 20	15 44	15 31	2 21	18 21	4 16
S 18	20 51	5 50	4 56	23 11	1 18	5 37	2 11	8 7	0 57	6 39	1 10	1 28	2 38	21 18	0 34	20 50	1 29	12 13	9 20	15 43	15 30	2 23	18 22	4 16
S 19	21 2	1 51	4 27	23 38	1 26	6 1	2 13	8 24	0 57	6 44	1 10	1 29	2 38	21 18	0 34	20 50	1 29	12 13	9 20	15 44	15 29	2 25	18 22	4 16
M20	21 12	2s12	3 47	24 2	1 33	6 25	2 14	8 41	0 56	6 48	1 10	1 29	2 38	21 18	0 34	20 50	1 29	12 14	9 20	15 44	15 28	2 27	18 23	4 16
T 21	21 22	6 10	2 57	24 23	1 39	6 49	2 15	8 57	0 56	6 53	1 10	1 29	2 37	21 19	0 34	20 50	1 29	12 14	9 19	15 44	15 27	2 29	18 24	4 16
W22	21 32	9 55	1 59	24 41	1 44	7 12	2 16	9 14	0 55	6 57	1 11	1 29	2 37	21 19	0 34	20 49	1 29	12 14	9 19	15 45	15 26	2 31	18 24	4 16
T 23	21 42	13 20	0 56	24 57	1 49	7 36	2 16	9 30	0 55	7 2	1 11	1 29	2 37	21 19	0 34	20 49	1 29	12 14	9 19	15 45	15 25	2 33	18 25	4 16
F 24	21 51	16 13	0n12	25 9	1 53	8 0	2 17	9 47	0 54	7 6	1 11	1 29	2 37	21 19	0 34	20 49	1 29	12 15	9 19	15 45	15 24	2 35	18 25	4 16
S 25	22 0	18 23	1 20	25 20	1 57	8 23	2 18	10 3	0 54	7 10	1 11	1 29	2 36	21 20	0 34	20 49	1 29	12 15	9 19	15 45	15 24	2 37	18 26	4 16
S 26	22 8	19 42	2 25	25 27	1 59	8 47	2 18	10 19	0 53	7 15	1 11	1 29	2 36	21 20	0 34	20 48	1 29	12 15	9 19	15 44	15 23	2 40	18 26	4 16
M27	22 16	19 59	3 24	25 32	2 1	9 10	2 18	10 35	0 53	7 19	1 11	1 29	2 36	21 20	0 34	20 48	1 29	12 15	9 19	15 43	15 22	2 42	18 27	4 16
T 28	22 24	19 10	4 13	25 35	2 2	9 33	2 19	10 51	0 52	7 23	1 11	1 29	2 36	21 21	0 34	20 48	1 29	12 16	9 19	15 42	15 21	2 44	18 27	4 16
W29	22 31	17 16	4 49	25 35	2 3	9 57	2 19	11 6	0 52	7 27	1 11	1 29	2 35	21 21	0 34	20 48	1 29	12 16	9 19	15 41	15 20	2 46	18 28	4 16
T 30	22 38	14 22	5 9	25 33	2 2	10 20	2 19	11 22	0 51	7 31	1 12	1 28	2 35	21 21	0 34	20 48	1 29	12 16	9 19	15 39	15 19	2 48	18 28	4 16
F 31	22n44	10s38	5n11	25n29	2n 1	10n43	2s19	11n38	0s51	7n36	1s12	1n28	2n35	21s22	0s34	20s47	1n29	12n16	9s19	15s38	15s18	2s50	18n29	4s16

Julian Day Number = 2143772.5, Delta T = 14m59s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'29, Lahiri = 12°06'29 Julian Calendar 1 May 1157 == Greg. Calendar 8 May 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

JUNE 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 36	16♊19'05	1♓50	6♋10	5♉ 4	3♉18	22♈26	2♎15	27°R15	11°R28	6♊20	12°R24	11♏16	29♍16	15♊20	S 1
S 2	17 7 32	17°16'18	15°58	7°50	6°12	4° 2	22°38	2°16	27♑14	11♐26	6°22	12°D23	11°13	29°22	15°26	S 2
M 3	17 11 29	18°13'30	0♈10	9°27	7°20	4°45	22°49	2°16	27°12	11°24	6°23	12♏23	11°10	29°29	15°31	M 3
T 4	17 15 25	19°10'42	14°24	11° 1	8°28	5°28	22°59	2°17	27°10	11°23	6°25	12°25	11° 6	29°36	15°36	T 4
W 5	17 19 22	20° 7'54	28°38	12°34	9°36	6°12	23°10	2°17	27° 8	11°21	6°26	12°26	11° 3	29°42	15°42	W 5
T 6	17 23 18	21° 5'06	12♉49	14° 4	10°44	6°55	23°21	2°18	27° 7	11°20	6°27	12°R27	11° 0	29°49	15°47	T 6
F 7	17 27 15	22° 2'18	26°54	15°31	11°53	7°38	23°32	2°19	27° 5	11°18	6°29	12°26	10°57	29°56	15°52	F 7
S 8	17 31 12	22°59'31	10♊50	16°56	13° 1	8°21	23°42	2°20	27° 3	11°16	6°30	12°23	10°54	0♎ 2	15°58	S 8
S 9	17 35 8	23°56'42	24°33	18°18	14°10	9° 4	23°53	2°21	27° 1	11°15	6°31	12°18	10°50	0° 9	16° 3	S 9
M10	17 39 5	24°53'54	8♋ 2	19°38	15°18	9°47	24° 3	2°22	26°59	11°13	6°33	12°12	10°47	0°16	16° 8	M10
T 11	17 43 1	25°51'06	21°12	20°56	16°27	10°30	24°13	2°23	26°57	11°12	6°34	12° 5	10°44	0°22	16°14	T 11
W12	17 46 58	26°48'17	4♌ 4	22°10	17°36	11°12	24°23	2°24	26°55	11°10	6°35	11°58	10°41	0°29	16°19	W12
T 13	17 50 54	27°45'28	16°38	23°22	18°45	11°55	24°33	2°26	26°53	11° 9	6°37	11°51	10°38	0°36	16°24	T 13
F 14	17 54 51	28°42'39	28°55	24°31	19°54	12°38	24°43	2°27	26°51	11° 7	6°38	11°45	10°35	0°43	16°30	F 14
S 15	17 58 47	29°39'49	11♍ 0	25°38	21° 3	13°20	24°53	2°29	26°49	11° 5	6°39	11°41	10°31	0°49	16°35	S 15
S 16	18 2 44	0♋37'00	22°55	26°41	22°12	14° 3	25° 2	2°31	26°47	11° 4	6°41	11°39	10°28	0°56	16°40	S 16
M17	18 6 41	1°34'10	4♎45	27°41	23°21	14°45	25°12	2°32	26°45	11° 2	6°42	11°D39	10°25	1° 3	16°46	M17
T 18	18 10 37	2°31'20	16°37	28°39	24°31	15°28	25°21	2°34	26°43	11° 1	6°43	11°40	10°22	1° 9	16°51	T 18
W19	18 14 34	3°28'30	28°34	29°33	25°40	16°10	25°30	2°36	26°41	11° 0	6°44	11°41	10°19	1°16	16°56	W19
T 20	18 18 30	4°25'39	10♏42	0♌23	26°50	16°52	25°40	2°38	26°39	10°58	6°46	11°R42	10°15	1°23	17° 1	T 20
F 21	18 22 27	5°22'49	23° 5	1°11	27°59	17°34	25°49	2°41	26°37	10°57	6°47	11°41	10°12	1°29	17° 6	F 21
S 22	18 26 23	6°19'59	5♐46	1°54	29° 9	18°16	25°58	2°43	26°35	10°55	6°48	11°38	10° 9	1°36	17°12	S 22
S 23	18 30 20	7°17'09	18°48	2°34	0♊19	18°58	26° 6	2°45	26°32	10°54	6°49	11°34	10° 6	1°43	17°17	S 23
M24	18 34 16	8°14'20	2♑11	3°10	1°29	19°40	26°15	2°48	26°30	10°52	6°51	11°27	10° 3	1°49	17°22	M24
T 25	18 38 13	9°11'30	15°54	3°42	2°38	20°22	26°23	2°50	26°28	10°51	6°52	11°18	10° 0	1°56	17°27	T 25
W26	18 42 10	10° 8'41	29°53	4°10	3°48	21° 4	26°32	2°53	26°26	10°50	6°53	11° 9	9°56	2° 3	17°32	W26
T 27	18 46 6	11° 5'52	14♒ 4	4°34	4°58	21°45	26°40	2°56	26°23	10°48	6°54	11° 0	9°53	2° 9	17°37	T 27
F 28	18 50 3	12° 3'04	28°22	4°53	6° 9	22°27	26°48	2°58	26°21	10°47	6°55	10°52	9°50	2°16	17°42	F 28
S 29	18 53 59	13° 0'17	12♓42	5° 8	7°19	23° 8	26°56	3° 1	26°19	10°46	6°57	10°47	9°47	2°23	17°47	S 29
S 30	18 57 56	13♋57'30	26♓59	5♌18	8♊29	23♉50	27♈ 4	3♎ 4	26♑16	10♐44	6♊58	10♏43	9♏44	2♎29	17♊52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	6s17	4n54	25n24	2n 0	11n 6	2s19	11n53	0s50	7n40	1s12	1n28	2n35	21s22	0s34	20s47	1n29	12n17	9s19	15s38	15s17	2s52	18n29	4s16
S 2	22 56	1 34	4 20	25 16	1 57	11 28	2 18	12 8	0 50	7 44	1 12	1 27	2 35	21 22	0 34	20 47	1 29	12 17	9 19	15 37	15 16	2 54	18 30	4 16
M 3	23 1	3n17	3 30	25 6	1 54	11 51	2 18	12 23	0 49	7 48	1 12	1 27	2 34	21 23	0 34	20 47	1 29	12 17	9 19	15 37	15 15	2 56	18 30	4 17
T 4	23 6	7 57	2 27	24 55	1 50	12 13	2 17	12 38	0 49	7 52	1 12	1 27	2 34	21 23	0 34	20 47	1 29	12 17	9 19	15 38	15 14	2 58	18 31	4 17
W 5	23 11	12 12	1 15	24 42	1 46	12 35	2 17	12 53	0 48	7 55	1 12	1 26	2 34	21 23	0 34	20 46	1 29	12 17	9 19	15 38	15 13	3 0	18 31	4 17
T 6	23 15	15 43	0s 2	24 28	1 41	12 57	2 16	13 8	0 48	7 59	1 13	1 26	2 34	21 24	0 35	20 46	1 29	12 18	9 19	15 38	15 12	3 2	18 32	4 17
F 7	23 18	18 17	1 18	24 13	1 35	13 19	2 16	13 23	0 47	8 3	1 13	1 25	2 33	21 24	0 35	20 46	1 29	12 18	9 19	15 38	15 11	3 4	18 32	4 17
S 8	23 22	19 44	2 28	23 56	1 29	13 41	2 15	13 37	0 46	8 7	1 13	1 24	2 33	21 24	0 35	20 46	1 29	12 18	9 19	15 37	15 10	3 6	18 32	4 17
S 9	23 24	19 58	3 28	23 39	1 22	14 2	2 14	13 52	0 46	8 10	1 13	1 24	2 33	21 25	0 35	20 46	1 29	12 18	9 19	15 36	15 9	3 8	18 33	4 17
M10	23 27	19 3	4 16	23 20	1 15	14 23	2 13	14 6	0 45	8 14	1 13	1 23	2 33	21 25	0 35	20 45	1 29	12 18	9 19	15 34	15 8	3 10	18 33	4 17
T 11	23 29	17 7	4 48	23 1	1 7	14 44	2 12	14 20	0 45	8 18	1 13	1 22	2 32	21 26	0 35	20 45	1 29	12 19	9 19	15 32	15 7	3 13	18 34	4 18
W12	23 30	14 22	5 6	22 40	0 58	15 4	2 10	14 34	0 44	8 21	1 14	1 22	2 32	21 26	0 35	20 45	1 29	12 19	9 19	15 30	15 6	3 15	18 34	4 18
T 13	23 32	11 2	5 7	22 19	0 49	15 25	2 9	14 47	0 43	8 25	1 14	1 21	2 32	21 26	0 35	20 45	1 29	12 19	9 19	15 27	15 5	3 17	18 34	4 18
F 14	23 32	7 18	4 55	21 58	0 40	15 44	2 8	15 1	0 43	8 28	1 14	1 20	2 32	21 27	0 35	20 45	1 29	12 19	9 19	15 26	15 4	3 19	18 35	4 18
S 15	23 33	3 19	4 29	21 36	0 30	16 4	2 6	15 15	0 42	8 32	1 14	1 19	2 31	21 27	0 35	20 44	1 29	12 19	9 19	15 25	15 3	3 21	18 35	4 18
S 16	23 33	0s44	3 52	21 13	0 19	16 23	2 5	15 28	0 42	8 35	1 14	1 18	2 31	21 28	0 35	20 44	1 29	12 20	9 19	15 24	15 2	3 23	18 36	4 18
M17	23 32	4 44	3 6	20 51	0 8	16 42	2 3	15 41	0 41	8 38	1 14	1 17	2 31	21 28	0 35	20 44	1 29	12 20	9 19	15 24	15 1	3 25	18 36	4 18
T 18	23 31	8 34	2 11	20 28	0s 3	17 1	2 2	15 54	0 40	8 42	1 15	1 16	2 31	21 28	0 35	20 44	1 29	12 20	9 20	15 24	15 0	3 27	18 36	4 19
W19	23 30	12 6	1 10	20 5	0 15	17 19	2 0	16 7	0 40	8 45	1 15	1 15	2 30	21 29	0 35	20 44	1 29	12 20	9 20	15 24	14 59	3 29	18 37	4 19
T 20	23 28	15 11	0 5	19 43	0 28	17 37	1 58	16 20	0 39	8 48	1 15	1 14	2 30	21 29	0 35	20 44	1 29	12 20	9 20	15 25	14 58	3 31	18 37	4 19
F 21	23 26	17 39	1n 1	19 20	0 40	17 55	1 56	16 32	0 38	8 51	1 15	1 13	2 30	21 30	0 35	20 43	1 29	12 20	9 20	15 24	14 57	3 33	18 37	4 19
S 22	23 24	19 18	2 6	18 58	0 53	18 12	1 54	16 45	0 38	8 54	1 15	1 12	2 30	21 30	0 35	20 43	1 29	12 20	9 20	15 24	14 56	3 35	18 37	4 19
S 23	23 21	20 0	3 5	18 36	1 7	18 29	1 52	16 57	0 37	8 57	1 15	1 11	2 29	21 31	0 35	20 43	1 29	12 21	9 20	15 22	14 55	3 37	18 38	4 20
M24	23 17	19 35	3 57	18 14	1 20	18 45	1 50	17 9	0 36	9 0	1 16	1 10	2 29	21 31	0 35	20 43	1 29	12 21	9 20	15 20	14 54	3 39	18 38	4 20
T 25	23 14	18 2	4 35	17 53	1 34	19 1	1 48	17 21	0 36	9 3	1 16	1 9	2 29	21 32	0 35	20 43	1 29	12 21	9 20	15 17	14 53	3 41	18 38	4 20
W26	23 9	15 24	4 59	17 33	1 48	19 16	1 46	17 32	0 35	9 6	1 16	1 7	2 29	21 32	0 35	20 43	1 28	12 21	9 20	15 14	14 52	3 43	18 39	4 20
T 27	23 5	11 50	5 4	17 14	2 2	19 31	1 44	17 44	0 34	9 9	1 16	1 6	2 28	21 32	0 35	20 42	1 28	12 21	9 20	15 12	14 51	3 45	18 39	4 20
F 28	23 0	7 33	4 51	16 55	2 16	19 46	1 42	17 55	0 34	9 12	1 16	1 5	2 28	21 33	0 35	20 42	1 28	12 21	9 20	15 9	14 50	3 47	18 39	4 21
S 29	22 54	2 50	4 19	16 38	2 31	20 0	1 39	18 7	0 33	9 14	1 17	1 3	2 28	21 33	0 35	20 42	1 28	12 21	9 20	15 7	14 49	3 49	18 39	4 21
S 30	22n49	2n 1	3n31	16n22	2s45	20n13	1s37	18n18	0s32	9n17	1s17	1n 2	2n28	21s34	0s35	20s42	1n28	12n21	9s20	15s 6	14s48	3s51	18n39	4s21

Julian Day Number = 2143803.5, Delta T = 14m59s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'33, Lahiri = 12°06'34 Julian Calendar 1 June 1157 == Greg. Calendar 8 June 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

JULY 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 1 52	14♋54'45	11♈12	5♌23	9♊40	24♉31	27♈12	3♎ 7	26°R14	10°R43	6♊59	10°D42	9♏41	2♎36	17♊57	M 1
T 2	19 5 49	15°52'00	25°17	5°R23	10°50	25°12	27°19	3°10	26♑12	10♐42	7° 0	10♏42	9°37	2°43	18° 2	T 2
W 3	19 9 45	16°49'16	9♉15	5°18	12° 0	25°54	27°27	3°14	26° 9	10°41	7° 1	10°R43	9°34	2°49	18° 7	W 3
T 4	19 13 42	17°46'33	23° 5	5° 8	13°11	26°35	27°34	3°17	26° 7	10°39	7° 2	10°42	9°31	2°56	18°12	T 4
F 5	19 17 39	18°43'50	6♊46	4°54	14°22	27°16	27°41	3°20	26° 5	10°38	7° 3	10°40	9°28	3° 3	18°17	F 5
S 6	19 21 35	19°41'09	20°17	4°34	15°33	27°57	27°48	3°24	26° 2	10°37	7° 4	10°35	9°25	3° 9	18°22	S 6
S 7	19 25 32	20°38'29	3♋38	4°10	16°43	28°38	27°55	3°28	26° 0	10°36	7° 5	10°27	9°21	3°16	18°27	S 7
M 8	19 29 28	21°35'49	16°46	3°42	17°54	29°18	28° 1	3°31	25°58	10°35	7° 6	10°17	9°18	3°23	18°32	M 8
T 9	19 33 25	22°33'11	29°41	3° 9	19° 5	29°59	28° 8	3°35	25°55	10°34	7° 8	10° 5	9°15	3°29	18°36	T 9
W10	19 37 21	23°30'33	12♌21	2°33	20°16	0♊40	28°14	3°39	25°53	10°33	7° 9	9°53	9°12	3°36	18°41	W10
T 11	19 41 18	24°27'55	24°47	1°53	21°27	1°20	28°20	3°43	25°50	10°31	7°10	9°41	9° 9	3°43	18°46	T 11
F 12	19 45 14	25°25'19	6♍59	1°11	22°38	2° 1	28°26	3°47	25°48	10°30	7°11	9°31	9° 6	3°49	18°51	F 12
S 13	19 49 11	26°22'43	19° 0	0°27	23°50	2°41	28°32	3°51	25°46	10°29	7°12	9°23	9° 2	3°56	18°55	S 13
S 14	19 53 8	27°20'08	0♎53	29♋42	25° 1	3°21	28°38	3°55	25°43	10°28	7°13	9°18	8°59	4° 3	19° 0	S 14
M15	19 57 4	28°17'33	12°42	28°56	26°12	4° 2	28°43	3°59	25°41	10°27	7°13	9°16	8°56	4° 9	19° 4	M15
T 16	20 1 1	29°14'59	24°32	28°10	27°24	4°42	28°49	4° 4	25°38	10°27	7°14	9°15	8°53	4°16	19° 9	T 16
W17	20 4 57	0♌12'27	6♏28	27°26	28°35	5°22	28°54	4° 8	25°36	10°26	7°15	9°15	8°50	4°23	19°13	W17
T 18	20 8 54	1° 9'54	18°36	26°44	29°47	6° 2	28°59	4°12	25°34	10°25	7°16	9°14	8°47	4°29	19°18	T 18
F 19	20 12 50	2° 7'23	1♐ 0	26° 5	0♋58	6°42	29° 4	4°17	25°31	10°24	7°17	9°13	8°43	4°36	19°22	F 19
S 20	20 16 47	3° 4'53	13°46	25°29	2°10	7°21	29° 9	4°21	25°29	10°23	7°18	9°10	8°40	4°43	19°26	S 20
S 21	20 20 43	4° 2'23	26°57	24°58	3°21	8° 1	29°13	4°26	25°26	10°22	7°19	9° 3	8°37	4°49	19°31	S 21
M22	20 24 40	4°59'55	10♑33	24°32	4°33	8°41	29°17	4°31	25°24	10°21	7°20	8°55	8°34	4°56	19°35	M22
T 23	20 28 37	5°57'27	24°34	24°12	5°45	9°20	29°22	4°36	25°22	10°21	7°20	8°44	8°31	5° 3	19°39	T 23
W24	20 32 33	6°55'01	8♒56	23°58	6°57	9°59	29°25	4°41	25°19	10°20	7°21	8°33	8°27	5° 9	19°43	W24
T 25	20 36 30	7°52'36	23°33	23°50	8° 9	10°39	29°29	4°46	25°17	10°19	7°22	8°22	8°24	5°16	19°48	T 25
F 26	20 40 26	8°50'12	8♓16	23°D49	9°21	11°18	29°33	4°51	25°15	10°19	7°23	8°12	8°21	5°23	19°52	F 26
S 27	20 44 23	9°47'50	22°59	23°56	10°33	11°57	29°36	4°56	25°12	10°18	7°24	8° 5	8°18	5°29	19°56	S 27
S 28	20 48 19	10°45'29	7♈35	24° 9	11°45	12°36	29°40	5° 1	25°10	10°17	7°24	8° 0	8°15	5°36	20° 0	S 28
M29	20 52 16	11°43'10	21°58	24°31	12°57	13°15	29°43	5° 6	25° 8	10°17	7°25	7°58	8°12	5°43	20° 4	M29
T 30	20 56 12	12°40'52	6♉ 7	24°59	14°10	13°54	29°45	5°11	25° 6	10°16	7°26	7°58	8° 8	5°49	20° 8	T 30
W31	21 0 9	13♌38'36	20♉ 0	25♋35	15♋22	14♊33	29♈48	5♎17	25♑ 3	10♐16	7♊26	7♏58	8♏ 5	5♎56	20♊11	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n42	6n45	2n31	16n 7	2s59	20n26	1s34	18n29	0s31	9n19	1s17	1n 0	2n27	21s34	0s35	20s42	1n28	12n22	9s20	15s 6	14s47	3s53	18n40	4s21
T 2	22 36	11 5	1 21	15 54	3 13	20 39	1 32	18 39	0 31	9 22	1 17	0 59	2 27	21 35	0 35	20 42	1 28	12 22	9 20	15 6	14 46	3 55	18 40	4 21
W 3	22 29	14 46	0 8	15 42	3 26	20 51	1 30	18 50	0 30	9 24	1 17	0 57	2 27	21 35	0 35	20 41	1 28	12 22	9 21	15 6	14 45	3 57	18 40	4 22
T 4	22 22	17 34	1s 5	15 32	3 39	21 3	1 27	19 0	0 29	9 27	1 18	0 56	2 27	21 36	0 35	20 41	1 28	12 22	9 21	15 6	14 44	3 59	18 40	4 22
F 5	22 14	19 20	2 14	15 23	3 51	21 14	1 24	19 10	0 29	9 29	1 18	0 54	2 27	21 36	0 35	20 41	1 28	12 22	9 21	15 5	14 43	4 1	18 40	4 22
S 6	22 6	19 58	3 14	15 16	4 3	21 24	1 22	19 20	0 28	9 32	1 18	0 53	2 26	21 37	0 35	20 41	1 28	12 22	9 21	15 4	14 42	4 3	18 41	4 22
S 7	21 57	19 28	4 2	15 12	4 13	21 34	1 19	19 30	0 27	9 34	1 18	0 51	2 26	21 37	0 35	20 41	1 28	12 22	9 21	15 1	14 41	4 5	18 41	4 23
M 8	21 48	17 54	4 37	15 9	4 23	21 44	1 16	19 40	0 26	9 36	1 18	0 49	2 26	21 37	0 35	20 41	1 28	12 22	9 21	14 58	14 40	4 7	18 41	4 23
T 9	21 39	15 28	4 57	15 8	4 32	21 52	1 14	19 49	0 26	9 38	1 19	0 48	2 26	21 38	0 35	20 41	1 28	12 22	9 21	14 54	14 39	4 9	18 41	4 23
W10	21 29	12 21	5 1	15 9	4 39	22 1	1 11	19 59	0 25	9 40	1 19	0 46	2 26	21 38	0 35	20 41	1 28	12 22	9 21	14 50	14 37	4 11	18 41	4 24
T 11	21 19	8 44	4 51	15 12	4 45	22 8	1 8	20 8	0 24	9 42	1 19	0 44	2 25	21 39	0 35	20 41	1 28	12 22	9 21	14 47	14 36	4 13	18 41	4 24
F 12	21 9	4 50	4 28	15 17	4 49	22 15	1 5	20 17	0 23	9 44	1 19	0 43	2 25	21 39	0 35	20 40	1 28	12 22	9 21	14 44	14 35	4 15	18 41	4 24
S 13	20 58	0 48	3 53	15 24	4 51	22 22	1 2	20 25	0 22	9 46	1 19	0 41	2 25	21 40	0 35	20 40	1 28	12 22	9 21	14 41	14 34	4 17	18 41	4 24
S 14	20 47	3s14	3 9	15 32	4 52	22 28	1 0	20 34	0 22	9 48	1 20	0 39	2 25	21 40	0 35	20 40	1 28	12 22	9 22	14 40	14 33	4 19	18 42	4 25
M15	20 36	7 7	2 16	15 43	4 51	22 33	0 57	20 42	0 21	9 50	1 20	0 37	2 24	21 41	0 35	20 40	1 28	12 23	9 22	14 39	14 32	4 21	18 42	4 25
T 16	20 24	10 45	1 17	15 54	4 48	22 37	0 54	20 51	0 20	9 51	1 20	0 35	2 24	21 41	0 35	20 40	1 28	12 23	9 22	14 38	14 31	4 23	18 42	4 25
W17	20 12	13 58	0 15	16 8	4 44	22 41	0 51	20 59	0 19	9 53	1 20	0 33	2 24	21 42	0 35	20 40	1 28	12 23	9 22	14 38	14 30	4 25	18 42	4 26
T 18	19 59	16 39	0n49	16 22	4 37	22 45	0 48	21 6	0 18	9 54	1 20	0 31	2 24	21 42	0 35	20 40	1 28	12 23	9 22	14 38	14 29	4 27	18 42	4 26
F 19	19 47	18 37	1 53	16 37	4 29	22 47	0 45	21 14	0 18	9 56	1 21	0 29	2 24	21 42	0 35	20 40	1 28	12 23	9 22	14 38	14 28	4 29	18 42	4 26
S 20	19 33	19 43	2 52	16 53	4 20	22 50	0 42	21 22	0 17	9 57	1 21	0 27	2 23	21 43	0 35	20 40	1 28	12 23	9 22	14 37	14 27	4 31	18 42	4 26
S 21	19 20	19 47	3 44	17 9	4 9	22 51	0 39	21 29	0 16	9 59	1 21	0 25	2 23	21 43	0 35	20 40	1 27	12 23	9 22	14 35	14 26	4 33	18 42	4 27
M22	19 6	18 43	4 25	17 26	3 56	22 52	0 36	21 36	0 15	10 0	1 21	0 23	2 23	21 44	0 35	20 40	1 27	12 23	9 23	14 32	14 25	4 35	18 42	4 27
T 23	18 52	16 31	4 52	17 43	3 43	22 52	0 33	21 43	0 14	10 1	1 22	0 21	2 23	21 44	0 35	20 40	1 27	12 23	9 23	14 29	14 24	4 37	18 42	4 27
W24	18 38	13 16	5 1	18 0	3 28	22 51	0 30	21 50	0 13	10 3	1 22	0 19	2 23	21 45	0 35	20 39	1 27	12 23	9 23	14 25	14 23	4 39	18 42	4 28
T 25	18 23	9 10	4 50	18 16	3 13	22 50	0 27	21 56	0 13	10 4	1 22	0 17	2 23	21 45	0 35	20 39	1 27	12 23	9 23	14 21	14 22	4 41	18 42	4 28
F 26	18 8	4 28	4 21	18 32	2 57	22 49	0 24	22 3	0 12	10 5	1 22	0 15	2 22	21 45	0 35	20 39	1 27	12 23	9 23	14 18	14 21	4 43	18 42	4 28
S 27	17 52	0n29	3 34	18 48	2 40	22 46	0 21	22 9	0 11	10 6	1 23	0 12	2 22	21 46	0 35	20 39	1 27	12 23	9 23	14 16	14 20	4 45	18 42	4 29
S 28	17 37	5 22	2 33	19 2	2 23	22 43	0 19	22 15	0 10	10 7	1 23	0 10	2 22	21 46	0 35	20 39	1 27	12 23	9 23	14 14	14 19	4 47	18 42	4 29
M29	17 21	9 53	1 24	19 15	2 6	22 39	0 16	22 20	0 9	10 8	1 23	0 8	2 22	21 47	0 35	20 39	1 27	12 23	9 24	14 14	14 18	4 49	18 42	4 29
T 30	17 5	13 46	0 10	19 27	1 49	22 35	0 13	22 26	0 8	10 8	1 23	0 6	2 22	21 47	0 35	20 39	1 27	12 22	9 24	14 14	14 17	4 51	18 42	4 30
W31	16n48	16n48	1s 3	19n37	1s32	22n30	0s10	22n32	0s 7	10n 9	1s23	0n 3	2n22	21s48	0s35	20s39	1n27	12n22	9s24	14s14	14s16	4s53	18n41	4s30

Julian Day Number = 2143833.5, Delta T = 14m59s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'37, Lahiri = 12°06'38 Julian Calendar 1 July 1157 == Greg. Calendar 8 July 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

AUGUST 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 6	14♌36'22	3♊39	26♋18	16♋34	15♊11	29♈51	5♎22	25°R 1	10°R15	7♊27	7°R57	8♏ 2	6♎ 3	20♊15	T 1
F 2	21 8 2	15°34'10	17° 3	27° 8	17°47	15°50	29°53	5°28	24♑59	10♐15	7°28	7♏54	7°59	6° 9	20°19	F 2
S 3	21 11 59	16°32'00	0♋14	28° 5	19° 0	16°28	29°55	5°33	24°57	10°14	7°28	7°48	7°56	6°16	20°23	S 3
S 4	21 15 55	17°29'51	13°14	29° 9	20°12	17° 7	29°57	5°39	24°55	10°14	7°29	7°40	7°53	6°23	20°26	S 4
M 5	21 19 52	18°27'44	26° 2	0♌19	21°25	17°45	29°59	5°44	24°53	10°14	7°29	7°29	7°49	6°29	20°30	M 5
T 6	21 23 48	19°25'38	8♌38	1°35	22°37	18°23	0♉ 0	5°50	24°50	10°13	7°30	7°16	7°46	6°36	20°33	T 6
W 7	21 27 45	20°23'34	21° 4	2°57	23°50	19° 1	0° 1	5°56	24°48	10°13	7°30	7° 3	7°43	6°43	20°37	W 7
T 8	21 31 41	21°21'32	3♍18	4°24	25° 3	19°39	0° 2	6° 2	24°46	10°13	7°31	6°51	7°40	6°49	20°40	T 8
F 9	21 35 38	22°19'31	15°22	5°56	26°16	20°17	0° 3	6° 7	24°44	10°12	7°31	6°40	7°37	6°56	20°44	F 9
S 10	21 39 35	23°17'32	27°18	7°33	27°29	20°54	0° 4	6°13	24°42	10°12	7°32	6°31	7°33	7° 3	20°47	S 10
S 11	21 43 31	24°15'34	9♎ 8	9°13	28°42	21°32	0° 5	6°19	24°40	10°12	7°32	6°25	7°30	7° 9	20°50	S 11
M12	21 47 28	25°13'37	20°54	10°57	29°55	22° 9	0° 5	6°25	24°38	10°12	7°33	6°22	7°27	7°16	20°53	M12
T 13	21 51 24	26°11'43	2♏43	12°43	1♎ 8	22°47	0°R 5	6°31	24°36	10°12	7°33	6°D21	7°24	7°23	20°56	T 13
W14	21 55 21	27° 9'49	14°37	14°32	2°21	23°24	0° 5	6°38	24°34	10°12	7°34	6°21	7°21	7°29	20°59	W14
T 15	21 59 17	28° 7'57	26°43	16°24	3°34	24° 1	0° 5	6°44	24°32	10°12	7°34	6°R22	7°18	7°36	21° 2	T 15
F 16	22 3 14	29° 6'07	9♐ 5	18°16	4°48	24°38	0° 4	6°50	24°31	10°D12	7°34	6°21	7°14	7°43	21° 5	F 16
S 17	22 7 10	0♍ 4'18	21°49	20°10	6° 1	25°15	0° 3	6°56	24°29	10°12	7°35	6°19	7°11	7°49	21° 8	S 17
S 18	22 11 7	1° 2'31	5♑ 0	22° 5	7°14	25°52	0° 3	7° 3	24°27	10°12	7°35	6°15	7° 8	7°56	21°11	S 18
M19	22 15 4	2° 0'45	18°39	24° 0	8°28	26°28	0° 1	7° 9	24°25	10°12	7°35	6° 8	7° 5	8° 3	21°14	M19
T 20	22 19 0	2°59'01	2♒46	25°56	9°41	27° 5	0° 0	7°15	24°24	10°12	7°36	6° 0	7° 2	8° 9	21°16	T 20
W21	22 22 57	3°57'18	17°19	27°51	10°54	27°41	29♈59	7°22	24°22	10°12	7°36	5°50	6°59	8°16	21°19	W21
T 22	22 26 53	4°55'37	2♓12	29°47	12° 8	28°18	29°57	7°28	24°20	10°12	7°36	5°41	6°55	8°23	21°22	T 22
F 23	22 30 50	5°53'58	17°15	1♍42	13°22	28°54	29°55	7°35	24°19	10°13	7°36	5°33	6°52	8°29	21°24	F 23
S 24	22 34 46	6°52'21	2♈20	3°36	14°35	29°30	29°53	7°41	24°17	10°13	7°36	5°27	6°49	8°36	21°26	S 24
S 25	22 38 43	7°50'46	17°17	5°30	15°49	0♋ 6	29°51	7°48	24°16	10°13	7°37	5°23	6°46	8°43	21°29	S 25
M26	22 42 39	8°49'13	1♉58	7°23	17° 3	0°42	29°48	7°54	24°14	10°13	7°37	5°D22	6°43	8°49	21°31	M26
T 27	22 46 36	9°47'43	16°20	9°15	18°16	1°17	29°46	8° 1	24°13	10°14	7°37	5°22	6°39	8°56	21°33	T 27
W28	22 50 32	10°46'14	0♊20	11° 6	19°30	1°53	29°43	8° 8	24°11	10°14	7°37	5°23	6°36	9° 3	21°35	W28
T 29	22 54 29	11°44'48	13°58	12°57	20°44	2°28	29°40	8°15	24°10	10°15	7°37	5°R23	6°33	9° 9	21°37	T 29
F 30	22 58 26	12°43'25	27°16	14°46	21°58	3° 4	29°36	8°21	24° 8	10°15	7°37	5°22	6°30	9°16	21°39	F 30
S 31	23 2 22	13♍42'03	10♋17	16♍35	23♌12	3♋39	29♈33	8♎28	24♑ 7	10♐15	7♊37	5♏19	6♏27	9♎23	21♊41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n31	18n49	2s11	19n46	1s15	22n24	0s 7	22n37	0s 6	10n10	1s24	0n 1	2n21	21s48	0s35	20s39	1n27	12n22	9s24	14s13	14s15	4s55	18n41	4s31
F 2	16 14	19 45	3 11	19 52	0 58	22 18	0 4	22 42	0 6	10 10	1 24	0s 1	2 21	21 48	0 35	20 39	1 27	12 22	9 24	14 12	14 14	4 57	18 41	4 31
S 3	15 57	19 33	3 59	19 57	0 42	22 11	0 1	22 47	0 5	10 11	1 24	0 3	2 21	21 49	0 35	20 39	1 27	12 22	9 24	14 11	14 13	4 59	18 41	4 31
S 4	15 40	18 20	4 34	19 59	0 27	22 3	0n 2	22 51	0 4	10 11	1 24	0 6	2 21	21 49	0 35	20 39	1 27	12 22	9 24	14 8	14 12	5 1	18 41	4 32
M 5	15 22	16 12	4 55	19 59	0 12	21 55	0 5	22 56	0 3	10 12	1 25	0 8	2 21	21 49	0 35	20 39	1 27	12 22	9 25	14 4	14 11	5 3	18 41	4 32
T 6	15 4	13 20	5 1	19 56	0n 3	21 46	0 7	23 0	0 2	10 12	1 25	0 11	2 21	21 50	0 35	20 39	1 27	12 22	9 25	14 0	14 10	5 5	18 41	4 32
W 7	14 45	9 56	4 52	19 51	0 16	21 36	0 10	23 4	0 1	10 12	1 25	0 13	2 20	21 50	0 35	20 39	1 27	12 22	9 25	13 56	14 9	5 7	18 41	4 33
T 8	14 27	6 9	4 30	19 42	0 29	21 26	0 13	23 8	0n 0	10 12	1 25	0 16	2 20	21 51	0 35	20 39	1 27	12 22	9 25	13 52	14 8	5 9	18 40	4 33
F 9	14 8	2 10	3 56	19 31	0 40	21 15	0 16	23 12	0 1	10 13	1 25	0 18	2 20	21 51	0 35	20 39	1 26	12 22	9 25	13 48	14 7	5 11	18 40	4 34
S 10	13 49	1s51	3 12	19 17	0 51	21 3	0 18	23 16	0 2	10 13	1 26	0 20	2 20	21 51	0 35	20 39	1 26	12 22	9 25	13 45	14 6	5 13	18 40	4 34
S 11	13 30	5 46	2 19	19 1	1 1	20 51	0 21	23 19	0 3	10 13	1 26	0 23	2 20	21 52	0 35	20 39	1 26	12 22	9 25	13 43	14 5	5 15	18 40	4 34
M12	13 10	9 27	1 21	18 41	1 10	20 39	0 24	23 23	0 4	10 12	1 26	0 25	2 20	21 52	0 35	20 39	1 26	12 22	9 26	13 42	14 4	5 17	18 40	4 35
T 13	12 51	12 46	0 19	18 19	1 18	20 25	0 26	23 26	0 5	10 12	1 26	0 28	2 20	21 52	0 35	20 39	1 26	12 22	9 26	13 42	14 3	5 18	18 39	4 35
W14	12 31	15 36	0n44	17 54	1 25	20 12	0 29	23 29	0 6	10 12	1 27	0 31	2 19	21 53	0 35	20 39	1 26	12 21	9 26	13 42	14 1	5 20	18 39	4 36
T 15	12 11	17 47	1 46	17 26	1 31	19 57	0 31	23 31	0 7	10 12	1 27	0 33	2 19	21 53	0 35	20 39	1 26	12 21	9 26	13 42	14 0	5 22	18 39	4 36
F 16	11 50	19 11	2 45	16 56	1 36	19 42	0 34	23 34	0 8	10 11	1 27	0 36	2 19	21 53	0 35	20 39	1 26	12 21	9 26	13 42	13 59	5 24	18 39	4 37
S 17	11 30	19 40	3 38	16 24	1 40	19 26	0 36	23 36	0 9	10 11	1 27	0 38	2 19	21 54	0 35	20 40	1 26	12 21	9 26	13 41	13 58	5 26	18 39	4 37
S 18	11 9	19 7	4 21	15 50	1 43	19 10	0 39	23 39	0 10	10 10	1 27	0 41	2 19	21 54	0 35	20 40	1 26	12 21	9 27	13 40	13 57	5 28	18 38	4 37
M19	10 48	17 27	4 50	15 14	1 45	18 53	0 41	23 41	0 11	10 10	1 28	0 43	2 19	21 54	0 35	20 40	1 26	12 21	9 27	13 38	13 56	5 30	18 38	4 38
T 20	10 27	14 42	5 4	14 37	1 47	18 36	0 43	23 43	0 12	10 9	1 28	0 46	2 19	21 55	0 35	20 40	1 26	12 21	9 27	13 35	13 55	5 32	18 38	4 38
W21	10 6	10 58	4 58	13 57	1 48	18 18	0 46	23 44	0 13	10 8	1 28	0 49	2 19	21 55	0 35	20 40	1 26	12 21	9 27	13 32	13 54	5 34	18 38	4 39
T 22	9 45	6 30	4 33	13 17	1 48	18 0	0 48	23 46	0 14	10 8	1 28	0 51	2 19	21 55	0 35	20 40	1 26	12 21	9 27	13 28	13 53	5 36	18 37	4 39
F 23	9 23	1 33	3 48	12 35	1 47	17 41	0 50	23 47	0 15	10 7	1 29	0 54	2 18	21 55	0 35	20 40	1 26	12 20	9 27	13 26	13 52	5 38	18 37	4 40
S 24	9 2	3n29	2 47	11 53	1 46	17 22	0 52	23 49	0 16	10 6	1 29	0 57	2 18	21 56	0 35	20 40	1 26	12 20	9 28	13 24	13 51	5 40	18 37	4 40
S 25	8 40	8 17	1 35	11 9	1 44	17 2	0 54	23 50	0 17	10 5	1 29	1 0	2 18	21 56	0 35	20 40	1 26	12 20	9 28	13 23	13 50	5 42	18 36	4 40
M26	8 18	12 30	0 18	10 25	1 42	16 41	0 56	23 51	0 18	10 4	1 29	1 2	2 18	21 56	0 35	20 40	1 26	12 20	9 28	13 22	13 49	5 44	18 36	4 41
T 27	7 56	15 52	0s59	9 40	1 39	16 21	0 58	23 52	0 19	10 3	1 29	1 5	2 18	21 56	0 35	20 40	1 26	12 20	9 28	13 22	13 48	5 46	18 36	4 41
W28	7 34	18 11	2 10	8 55	1 36	15 59	1 0	23 52	0 20	10 1	1 30	1 8	2 18	21 57	0 35	20 40	1 25	12 20	9 28	13 23	13 47	5 47	18 35	4 42
T 29	7 11	19 24	3 12	8 9	1 32	15 37	1 2	23 53	0 21	10 0	1 30	1 10	2 18	21 57	0 35	20 41	1 25	12 20	9 28	13 23	13 46	5 49	18 35	4 42
F 30	6 49	19 29	4 2	7 23	1 28	15 15	1 4	23 53	0 22	9 59	1 30	1 13	2 18	21 57	0 35	20 41	1 25	12 19	9 29	13 22	13 45	5 51	18 35	4 43
S 31	6n26	18n31	4s39	6n36	1n24	14n53	1n 6	23n53	0n23	9n57	1s30	1s16	2n18	21s57	0s35	20s41	1n25	12n19	9s29	13s21	13s44	5s53	18n34	4s43

Julian Day Number = 2143864.5, Delta T = 14m59s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'42, Lahiri = 12°06'42 Julian Calendar 1 Aug. 1157 == Greg. Calendar 8 Aug. 1157

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1157
geocentric

SEPTEMBER 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 6 19	14♍40'44	23♋ 2	18♍22	24♌26	4♋14	29°R29	8♎35	24°R 6	10♐16	7°R37	5°R14	6♏24	9♎29	21♊43	S 1
M 2	23 10 15	15°39'26	5♌34	20° 9	25°40	4°48	29♈26	8°42	24♉ 5	10°17	7♊37	5♏ 6	6°20	9°36	21°45	M 2
T 3	23 14 12	16°38'11	17°55	21°54	26°54	5°23	29°22	8°49	24° 4	10°17	7°37	4°58	6°17	9°43	21°47	T 3
W 4	23 18 8	17°36'59	0♍ 6	23°39	28° 9	5°58	29°17	8°56	24° 2	10°18	7°37	4°49	6°14	9°49	21°48	W 4
T 5	23 22 5	18°35'48	12° 9	25°23	29°23	6°32	29°13	9° 3	24° 1	10°18	7°37	4°40	6°11	9°56	21°50	T 5
F 6	23 26 1	19°34'39	24° 5	27° 5	0♍37	7° 6	29° 8	9°10	24° 0	10°19	7°37	4°32	6° 8	10° 3	21°51	F 6
S 7	23 29 58	20°33'32	5♎55	28°47	1°51	7°41	29° 4	9°17	23°59	10°20	7°37	4°27	6° 4	10° 9	21°53	S 7
S 8	23 33 55	21°32'27	17°43	0♎28	3° 6	8°14	28°59	9°24	23°58	10°20	7°36	4°23	6° 1	10°16	21°54	S 8
M 9	23 37 51	22°31'25	29°29	2° 8	4°20	8°48	28°54	9°31	23°57	10°21	7°36	4°D21	5°58	10°23	21°55	M 9
T 10	23 41 48	23°30'24	11♏18	3°46	5°34	9°22	28°49	9°38	23°57	10°22	7°36	4°21	5°55	10°29	21°56	T 10
W11	23 45 44	24°29'25	23°13	5°24	6°49	9°55	28°43	9°45	23°56	10°23	7°36	4°23	5°52	10°36	21°57	W11
T 12	23 49 41	25°28'28	5♐19	7° 2	8° 3	10°29	28°38	9°52	23°55	10°24	7°36	4°24	5°49	10°43	21°58	T 12
F 13	23 53 37	26°27'32	17°40	8°38	9°18	11° 2	28°32	9°59	23°54	10°25	7°35	4°26	5°45	10°49	21°59	F 13
S 14	23 57 34	27°26'39	0♑20	10°13	10°32	11°35	28°26	10° 6	23°54	10°26	7°35	4°R26	5°42	10°56	22° 0	S 14
S 15	0 1 30	28°25'47	13°25	11°48	11°47	12° 7	28°20	10°13	23°53	10°27	7°35	4°25	5°39	11° 3	22° 1	S 15
M16	0 5 27	29°24'57	26°57	13°22	13° 2	12°40	28°14	10°20	23°52	10°28	7°34	4°22	5°36	11° 9	22° 1	M16
T 17	0 9 24	0♎24'09	10♒59	14°55	14°16	13°13	28° 8	10°28	23°52	10°29	7°34	4°18	5°33	11°16	22° 2	T 17
W18	0 13 20	1°23'23	25°28	16°27	15°31	13°45	28° 1	10°35	23°51	10°30	7°34	4°14	5°30	11°23	22° 3	W18
T 19	0 17 17	2°22'39	10♓21	17°59	16°46	14°17	27°55	10°42	23°51	10°31	7°33	4° 9	5°26	11°29	22° 3	T 19
F 20	0 21 13	3°21'56	25°29	19°29	18° 0	14°49	27°48	10°49	23°51	10°32	7°33	4° 5	5°23	11°36	22° 3	F 20
S 21	0 25 10	4°21'16	10♈45	20°59	19°15	15°20	27°41	10°56	23°50	10°33	7°33	4° 2	5°20	11°43	22° 4	S 21
S 22	0 29 6	5°20'37	25°56	22°29	20°30	15°52	27°34	11° 4	23°50	10°34	7°32	4° 0	5°17	11°49	22° 4	S 22
M23	0 33 3	6°20'01	10♉54	23°57	21°45	16°23	27°27	11°11	23°50	10°35	7°32	4°D 0	5°14	11°56	22° 4	M23
T 24	0 36 59	7°19'27	25°33	25°25	23° 0	16°54	27°20	11°18	23°50	10°37	7°31	4° 1	5°10	12° 2	22°R 4	T 24
W25	0 40 56	8°18'56	9♊46	26°51	24°15	17°25	27°13	11°25	23°50	10°38	7°31	4° 3	5° 7	12° 9	22° 4	W25
T 26	0 44 52	9°18'27	23°34	28°17	25°29	17°56	27° 5	11°33	23°49	10°39	7°30	4° 4	5° 4	12°16	22° 4	T 26
F 27	0 48 49	10°18'00	6♋57	29°43	26°44	18°27	26°58	11°40	23°D49	10°40	7°30	4°R 5	5° 1	12°22	22° 4	F 27
S 28	0 52 46	11°17'36	19°56	1♏ 7	27°59	18°57	26°50	11°47	23°49	10°42	7°29	4° 5	4°58	12°29	22° 3	S 28
S 29	0 56 42	12°17'14	2♌36	2°30	29°14	19°27	26°43	11°54	23°50	10°43	7°28	4° 3	4°55	12°36	22° 3	S 29
M30	1 0 39	13♎16'54	14♌59	3♏53	0♎29	19♋57	26♈35	12♎ 2	23♑50	10♐45	7♊28	4♏ 1	4♏51	12♎42	22♊ 2	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 4	16n38	5s 0	5n50	1n19	14n30	1n 7	23n53	0n25	9n56	1s30	1s19	2n18	21s57	0s35	20s41	1n25	12n19	9s29	13s19	13s43	5s55	18n34	4s44
M 2	5 41	14 0	5 7	5 3	1 14	14 6	1 9	23 53	0 26	9 55	1 30	1 21	2 18	21 58	0 35	20 41	1 25	12 19	9 29	13 17	13 42	5 57	18 34	4 44
T 3	5 18	10 47	5 0	4 16	1 9	13 42	1 10	23 53	0 27	9 53	1 31	1 24	2 17	21 58	0 35	20 41	1 25	12 19	9 29	13 14	13 41	5 59	18 33	4 45
W 4	4 55	7 9	4 38	3 30	1 3	13 18	1 12	23 53	0 28	9 51	1 31	1 27	2 17	21 58	0 35	20 41	1 25	12 19	9 29	13 11	13 40	6 1	18 33	4 45
T 5	4 32	3 16	4 5	2 43	0 57	12 53	1 13	23 52	0 29	9 50	1 31	1 30	2 17	21 58	0 35	20 42	1 25	12 18	9 30	13 8	13 38	6 3	18 33	4 46
F 6	4 9	0s42	3 21	1 57	0 51	12 28	1 15	23 51	0 30	9 48	1 31	1 33	2 17	21 58	0 35	20 42	1 25	12 18	9 30	13 5	13 37	6 5	18 32	4 46
S 7	3 45	4 38	2 28	1 10	0 45	12 3	1 16	23 51	0 31	9 46	1 31	1 35	2 17	21 59	0 35	20 42	1 25	12 18	9 30	13 4	13 36	6 7	18 32	4 46
S 8	3 22	8 21	1 29	0 24	0 38	11 37	1 17	23 50	0 33	9 44	1 31	1 38	2 17	21 59	0 35	20 42	1 25	12 18	9 30	13 2	13 35	6 8	18 31	4 47
M 9	2 59	11 45	0 26	0s22	0 32	11 11	1 19	23 49	0 34	9 42	1 32	1 41	2 17	21 59	0 35	20 42	1 25	12 18	9 30	13 2	13 34	6 10	18 31	4 47
T 10	2 35	14 41	0n38	1 7	0 25	10 45	1 20	23 48	0 35	9 40	1 32	1 44	2 17	21 59	0 35	20 42	1 25	12 17	9 30	13 2	13 33	6 12	18 31	4 48
W11	2 12	17 2	1 41	1 52	0 19	10 18	1 21	23 46	0 36	9 38	1 32	1 47	2 17	21 59	0 35	20 42	1 25	12 17	9 31	13 2	13 32	6 14	18 30	4 48
T 12	1 48	18 39	2 41	2 37	0 12	9 51	1 22	23 45	0 37	9 36	1 32	1 50	2 17	21 59	0 35	20 43	1 25	12 17	9 31	13 3	13 31	6 16	18 30	4 49
F 13	1 25	19 25	3 34	3 22	0 5	9 24	1 23	23 44	0 39	9 34	1 32	1 52	2 17	21 59	0 35	20 43	1 25	12 17	9 31	13 3	13 30	6 18	18 29	4 49
S 14	1 1	19 14	4 19	4 6	0s 2	8 56	1 24	23 42	0 40	9 32	1 32	1 55	2 17	21 59	0 35	20 43	1 25	12 17	9 31	13 3	13 29	6 20	18 29	4 50
S 15	0 38	18 2	4 52	4 50	0 9	8 28	1 24	23 40	0 41	9 29	1 32	1 58	2 17	21 59	0 34	20 43	1 24	12 16	9 31	13 3	13 28	6 22	18 28	4 50
M16	0 14	15 47	5 10	5 33	0 16	8 0	1 25	23 38	0 42	9 27	1 33	2 1	2 17	22 0	0 34	20 43	1 24	12 16	9 31	13 2	13 27	6 24	18 28	4 51
T 17	0s10	12 34	5 10	6 16	0 23	7 32	1 26	23 37	0 43	9 25	1 33	2 4	2 17	22 0	0 34	20 44	1 24	12 16	9 31	13 1	13 26	6 26	18 28	4 51
W18	0 33	8 31	4 52	6 58	0 31	7 4	1 26	23 35	0 45	9 22	1 33	2 7	2 17	22 0	0 34	20 44	1 24	12 16	9 32	12 59	13 25	6 27	18 27	4 52
T 19	0 57	3 49	4 13	7 40	0 38	6 35	1 27	23 32	0 46	9 20	1 33	2 10	2 17	22 0	0 34	20 44	1 24	12 16	9 32	12 58	13 24	6 29	18 27	4 52
F 20	1 21	1n12	3 16	8 21	0 45	6 6	1 27	23 30	0 47	9 18	1 33	2 12	2 17	22 0	0 34	20 44	1 24	12 15	9 32	12 56	13 23	6 31	18 26	4 53
S 21	1 44	6 10	2 4	9 2	0 52	5 37	1 28	23 28	0 49	9 15	1 33	2 15	2 17	22 0	0 34	20 44	1 24	12 15	9 32	12 55	13 21	6 33	18 26	4 53
S 22	2 8	10 45	0 44	9 42	0 59	5 8	1 28	23 25	0 50	9 12	1 33	2 18	2 17	22 0	0 34	20 45	1 24	12 15	9 32	12 55	13 20	6 35	18 25	4 54
M23	2 32	14 34	0s38	10 21	1 6	4 38	1 28	23 23	0 51	9 10	1 33	2 21	2 17	22 0	0 34	20 45	1 24	12 15	9 32	12 55	13 19	6 37	18 25	4 54
T 24	2 55	17 21	1 56	11 0	1 13	4 9	1 28	23 20	0 53	9 7	1 33	2 24	2 17	22 0	0 34	20 45	1 24	12 15	9 32	12 55	13 18	6 39	18 24	4 55
W25	3 19	18 59	3 4	11 38	1 20	3 39	1 29	23 18	0 54	9 5	1 33	2 27	2 17	22 0	0 34	20 45	1 24	12 14	9 33	12 55	13 17	6 41	18 24	4 55
T 26	3 42	19 24	4 0	12 15	1 26	3 9	1 29	23 15	0 55	9 2	1 33	2 29	2 17	22 0	0 34	20 46	1 24	12 14	9 33	12 56	13 16	6 42	18 23	4 56
F 27	4 6	18 41	4 41	12 52	1 33	2 39	1 29	23 12	0 57	8 59	1 33	2 32	2 17	22 0	0 34	20 46	1 24	12 14	9 33	12 56	13 15	6 44	18 23	4 56
S 28	4 29	17 1	5 6	13 28	1 39	2 9	1 29	23 9	0 58	8 56	1 33	2 35	2 17	22 0	0 34	20 46	1 24	12 14	9 33	12 56	13 14	6 46	18 22	4 57
S 29	4 53	14 33	5 15	14 3	1 46	1 39	1 28	23 7	0 59	8 54	1 33	2 38	2 17	22 0	0 34	20 46	1 24	12 14	9 33	12 56	13 13	6 48	18 22	4 57
M30	5s16	11n28	5s10	14s37	1s52	1n 9	1n28	23n 4	1n 1	8n51	1s33	2s41	2n17	22s 0	0s34	20s47	1n24	12n13	9s33	12s55	13s12	6s50	18n21	4s58

Julian Day Number = 2143895.5, Delta T = 14m59s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'46, Lahiri = 12°06'46 Julian Calendar 1 Sept. 1157 == Greg. Calendar 8 Sept. 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

OCTOBER 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 35	14♎16'37	27♌10	5♏15	1♎44	20♋26	26°R27	12♎ 9	23♑50	10♐46	7°R27	3°R58	4♏48	12♎49	22°R 2	T 1
W 2	1 8 32	15°16'21	9♍11	6°35	3° 0	20°56	26♈19	12°16	23°50	10°47	7♊27	3♏55	4°45	12°56	22♊ 1	W 2
T 3	1 12 28	16°16'08	21° 5	7°55	4°15	21°25	26°11	12°24	23°50	10°49	7°26	3°52	4°42	13° 2	22° 1	T 3
F 4	1 16 25	17°15'57	2♎55	9°13	5°30	21°54	26° 3	12°31	23°51	10°50	7°25	3°49	4°39	13° 9	22° 0	F 4
S 5	1 20 21	18°15'48	14°43	10°30	6°45	22°23	25°55	12°38	23°51	10°52	7°25	3°48	4°35	13°16	21°59	S 5
S 6	1 24 18	19°15'41	26°31	11°46	8° 0	22°51	25°47	12°45	23°52	10°53	7°24	3°47	4°32	13°22	21°58	S 6
M 7	1 28 15	20°15'36	8♏21	13° 0	9°15	23°19	25°39	12°52	23°52	10°55	7°23	3°D47	4°29	13°29	21°57	M 7
T 8	1 32 11	21°15'33	20°16	14°13	10°30	23°47	25°31	13° 0	23°53	10°57	7°22	3°47	4°26	13°36	21°56	T 8
W 9	1 36 8	22°15'32	2♐18	15°23	11°46	24°15	25°23	13° 7	23°53	10°58	7°22	3°48	4°23	13°42	21°55	W 9
T 10	1 40 4	23°15'32	14°29	16°32	13° 1	24°42	25°15	13°14	23°54	11° 0	7°21	3°49	4°20	13°49	21°54	T 10
F 11	1 44 1	24°15'35	26°54	17°39	14°16	25° 9	25° 7	13°21	23°55	11° 2	7°20	3°50	4°16	13°56	21°52	F 11
S 12	1 47 57	25°15'39	9♑35	18°44	15°31	25°36	24°59	13°28	23°55	11° 3	7°19	3°51	4°13	14° 2	21°51	S 12
S 13	1 51 54	26°15'44	22°36	19°45	16°47	26° 2	24°50	13°36	23°56	11° 5	7°18	3°R51	4°10	14° 9	21°49	S 13
M14	1 55 50	27°15'51	6♒ 0	20°44	18° 2	26°29	24°42	13°43	23°57	11° 7	7°18	3°51	4° 7	14°16	21°48	M14
T 15	1 59 47	28°16'00	19°49	21°40	19°17	26°55	24°34	13°50	23°58	11° 8	7°17	3°51	4° 4	14°22	21°46	T 15
W16	2 3 44	29°16'10	4♓ 4	22°32	20°33	27°20	24°26	13°57	23°59	11°10	7°16	3°51	4° 1	14°29	21°45	W16
T 17	2 7 40	0♏16'22	18°41	23°20	21°48	27°46	24°18	14° 4	24° 0	11°12	7°15	3°50	3°57	14°36	21°43	T 17
F 18	2 11 37	1°16'35	3♈37	24° 3	23° 3	28°11	24°10	14°11	24° 1	11°14	7°14	3°50	3°54	14°42	21°41	F 18
S 19	2 15 33	2°16'50	18°45	24°41	24°19	28°35	24° 2	14°18	24° 2	11°16	7°13	3°50	3°51	14°49	21°39	S 19
S 20	2 19 30	3°17'07	3♉56	25°13	25°34	29° 0	23°54	14°25	24° 3	11°18	7°12	3°50	3°48	14°55	21°37	S 20
M21	2 23 26	4°17'26	18°59	25°39	26°49	29°24	23°46	14°32	24° 4	11°19	7°11	3°50	3°45	15° 2	21°35	M21
T 22	2 27 23	5°17'46	3♊47	25°58	28° 5	29°47	23°38	14°39	24° 5	11°21	7°10	3°50	3°41	15° 9	21°33	T 22
W23	2 31 19	6°18'08	18°13	26°10	29°20	0♌11	23°30	14°46	24° 7	11°23	7° 9	3°49	3°38	15°15	21°31	W23
T 24	2 35 16	7°18'33	2♋13	26°R13	0♏36	0°34	23°23	14°53	24° 8	11°25	7° 8	3°49	3°35	15°22	21°29	T 24
F 25	2 39 13	8°18'59	15°45	26° 6	1°51	0°56	23°15	15° 0	24°10	11°27	7° 7	3°49	3°32	15°29	21°26	F 25
S 26	2 43 9	9°19'27	28°51	25°51	3° 6	1°19	23° 8	15° 7	24°11	11°29	7° 6	3°48	3°29	15°35	21°24	S 26
S 27	2 47 6	10°19'57	11♌34	25°25	4°22	1°41	23° 0	15°14	24°12	11°31	7° 5	3°D48	3°26	15°42	21°21	S 27
M28	2 51 2	11°20'28	23°56	24°48	5°37	2° 2	22°53	15°20	24°14	11°33	7° 4	3°48	3°22	15°49	21°19	M28
T 29	2 54 59	12°21'02	6♍ 3	24° 2	6°53	2°23	22°45	15°27	24°16	11°35	7° 3	3°49	3°19	15°55	21°16	T 29
W30	2 58 55	13°21'37	18° 0	23° 5	8° 8	2°44	22°38	15°34	24°17	11°37	7° 2	3°50	3°16	16° 2	21°14	W30
T 31	3 2 52	14♏22'14	29♍50	22♏ 0	9♏24	3♌ 4	22♈31	15♎41	24♑19	11♐39	7♊ 1	3♏51	3♏13	16♎ 9	21♊11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
T 1	5s39	7n58	4s50	15s11	1s58	0n39	1n28	23n 1	1n 2	8n48	1s33	2s44	2n17	22s 0	0s34	20s47	1n24	12n13	9s33	12s54	13s11	6s52	18n21	4s58
W 2	6 2	4 11	4 18	15 43	2 4	0 9	1 27	22 57	1 4	8 45	1 33	2 46	2 17	22 0	0 34	20 47	1 24	12 13	9 34	12 53	13 10	6 54	18 20	4 59
T 3	6 26	0 15	3 35	16 15	2 10	0s22	1 27	22 54	1 5	8 42	1 33	2 49	2 17	22 0	0 34	20 47	1 24	12 13	9 34	12 52	13 9	6 55	18 20	4 59
F 4	6 49	3s39	2 43	16 46	2 15	0 52	1 27	22 51	1 7	8 39	1 33	2 52	2 17	21 59	0 34	20 48	1 24	12 12	9 34	12 51	13 8	6 57	18 19	5 0
S 5	7 12	7 25	1 44	17 15	2 20	1 23	1 26	22 48	1 8	8 36	1 33	2 55	2 17	21 59	0 34	20 48	1 24	12 12	9 34	12 50	13 7	6 59	18 19	5 0
S 6	7 34	10 54	0 40	17 44	2 25	1 53	1 25	22 45	1 10	8 34	1 33	2 58	2 17	21 59	0 34	20 48	1 23	12 12	9 34	12 50	13 5	7 1	18 18	5 0
M 7	7 57	13 57	0n25	18 11	2 30	2 23	1 25	22 41	1 11	8 31	1 33	3 0	2 17	21 59	0 34	20 48	1 23	12 12	9 34	12 50	13 4	7 3	18 18	5 1
T 8	8 20	16 27	1 30	18 37	2 34	2 53	1 24	22 38	1 13	8 28	1 33	3 3	2 17	21 59	0 34	20 49	1 23	12 12	9 34	12 50	13 3	7 5	18 17	5 1
W 9	8 42	18 14	2 32	19 2	2 38	3 24	1 23	22 35	1 14	8 25	1 33	3 6	2 17	21 59	0 34	20 49	1 23	12 11	9 34	12 51	13 2	7 6	18 17	5 2
T 10	9 5	19 12	3 27	19 26	2 41	3 54	1 22	22 31	1 16	8 22	1 33	3 9	2 17	21 59	0 34	20 49	1 23	12 11	9 34	12 51	13 1	7 8	18 16	5 2
F 11	9 27	19 16	4 14	19 48	2 44	4 24	1 21	22 28	1 17	8 19	1 33	3 11	2 17	21 59	0 34	20 49	1 23	12 11	9 35	12 51	13 0	7 10	18 15	5 3
S 12	9 49	18 23	4 50	20 9	2 47	4 54	1 20	22 24	1 19	8 16	1 33	3 14	2 17	21 58	0 34	20 50	1 23	12 11	9 35	12 51	12 59	7 12	18 15	5 3
S 13	10 11	16 31	5 12	20 28	2 49	5 24	1 19	22 21	1 20	8 13	1 33	3 17	2 17	21 58	0 34	20 50	1 23	12 10	9 35	12 52	12 58	7 14	18 14	5 4
M14	10 33	13 43	5 18	20 46	2 51	5 54	1 18	22 18	1 22	8 10	1 33	3 20	2 17	21 58	0 34	20 50	1 23	12 10	9 35	12 52	12 57	7 16	18 14	5 4
T 15	10 54	10 6	5 6	21 1	2 52	6 24	1 17	22 14	1 24	8 7	1 33	3 22	2 17	21 58	0 34	20 50	1 23	12 10	9 35	12 51	12 56	7 17	18 13	5 5
W16	11 16	5 48	4 35	21 15	2 52	6 53	1 16	22 11	1 25	8 4	1 33	3 25	2 17	21 58	0 34	20 51	1 23	12 10	9 35	12 51	12 55	7 19	18 13	5 5
T 17	11 37	1 2	3 46	21 27	2 51	7 23	1 15	22 7	1 27	8 2	1 33	3 28	2 17	21 58	0 34	20 51	1 23	12 9	9 35	12 51	12 54	7 21	18 12	5 6
F 18	11 58	3n54	2 40	21 37	2 50	7 52	1 13	22 4	1 29	7 59	1 33	3 30	2 17	21 57	0 34	20 51	1 23	12 9	9 35	12 51	12 53	7 23	18 12	5 6
S 19	12 19	8 39	1 23	21 44	2 48	8 21	1 12	22 0	1 30	7 56	1 32	3 33	2 18	21 57	0 34	20 52	1 23	12 9	9 35	12 51	12 51	7 25	18 11	5 6
S 20	12 40	12 52	0s 1	21 49	2 44	8 50	1 10	21 57	1 32	7 53	1 32	3 36	2 18	21 57	0 34	20 52	1 23	12 9	9 35	12 51	12 50	7 27	18 11	5 7
M21	13 0	16 12	1 23	21 51	2 40	9 19	1 9	21 54	1 34	7 50	1 32	3 38	2 18	21 57	0 34	20 52	1 23	12 9	9 35	12 51	12 49	7 28	18 10	5 7
T 22	13 21	18 24	2 39	21 50	2 34	9 47	1 7	21 50	1 35	7 48	1 32	3 41	2 18	21 56	0 34	20 52	1 23	12 8	9 36	12 51	12 48	7 30	18 9	5 8
W23	13 41	19 19	3 43	21 46	2 27	10 16	1 6	21 47	1 37	7 45	1 32	3 44	2 18	21 56	0 34	20 53	1 23	12 8	9 36	12 51	12 47	7 32	18 9	5 8
T 24	14 1	19 1	4 31	21 38	2 19	10 44	1 4	21 44	1 39	7 42	1 32	3 46	2 18	21 56	0 34	20 53	1 23	12 8	9 36	12 51	12 46	7 34	18 8	5 8
F 25	14 20	17 36	5 2	21 27	2 9	11 12	1 2	21 41	1 41	7 39	1 32	3 49	2 18	21 56	0 34	20 53	1 23	12 8	9 36	12 51	12 45	7 36	18 8	5 9
S 26	14 40	15 19	5 17	21 12	1 57	11 39	1 1	21 37	1 43	7 37	1 31	3 51	2 18	21 55	0 34	20 54	1 23	12 7	9 36	12 51	12 44	7 37	18 7	5 9
S 27	14 59	12 21	5 15	20 53	1 44	12 6	0 59	21 34	1 44	7 34	1 31	3 54	2 18	21 55	0 34	20 54	1 23	12 7	9 36	12 50	12 43	7 39	18 7	5 10
M28	15 18	8 54	4 59	20 30	1 29	12 33	0 57	21 31	1 46	7 32	1 31	3 56	2 18	21 55	0 34	20 54	1 23	12 7	9 36	12 51	12 42	7 41	18 6	5 10
T 29	15 37	5 10	4 29	20 2	1 13	13 0	0 55	21 28	1 48	7 29	1 31	3 59	2 18	21 55	0 33	20 55	1 23	12 7	9 36	12 51	12 41	7 43	18 6	5 10
W30	15 55	1 16	3 48	19 31	0 55	13 26	0 53	21 25	1 50	7 27	1 31	4 1	2 19	21 54	0 33	20 55	1 23	12 7	9 36	12 51	12 40	7 45	18 5	5 11
T 31	16s13	2s39	2s58	18s56	0s36	13s52	0n51	21n22	1n52	7n24	1s30	4s 4	2n19	21s54	0s33	20s55	1n23	12n 6	9s36	12s51	12s38	7s46	18n 5	5s11

Julian Day Number = 2143925.5, Delta T = 14m58s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'50, Lahiri = 12°06'50 Julian Calendar 1 Oct. 1157 == Greg. Calendar 8 Oct. 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

NOVEMBER 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 6 48	15♏22'53	11♎37	20°R48	10♏39	3♌24	22°R24	15♎47	24♑21	11♐41	7°R 0	3♏52	3♏10	16♎15	21°R 8	F 1
S 2	3 10 45	16°23'34	23°25	19♏29	11°55	3°44	22♈18	15°54	24°22	11°43	6♊59	3°53	3° 7	16°22	21♊ 5	S 2
S 3	3 14 41	17°24'16	5♏16	18° 8	13°10	4° 3	22°11	16° 0	24°24	11°46	6°58	3°R53	3° 3	16°29	21° 2	S 3
M 4	3 18 38	18°24'59	17°14	16°47	14°26	4°21	22° 4	16° 7	24°26	11°48	6°57	3°53	3° 0	16°35	21° 0	M 4
T 5	3 22 35	19°25'44	29°19	15°27	15°41	4°39	21°58	16°13	24°28	11°50	6°56	3°51	2°57	16°42	20°57	T 5
W 6	3 26 31	20°26'30	11♐33	14°13	16°57	4°57	21°52	16°20	24°30	11°52	6°55	3°49	2°54	16°49	20°54	W 6
T 7	3 30 28	21°27'18	23°59	13° 5	18°12	5°14	21°45	16°26	24°32	11°54	6°54	3°47	2°51	16°55	20°50	T 7
F 8	3 34 24	22°28'07	6♑37	12° 7	19°28	5°31	21°40	16°33	24°34	11°56	6°52	3°44	2°47	17° 2	20°47	F 8
S 9	3 38 21	23°28'56	19°28	11°20	20°43	5°47	21°34	16°39	24°36	11°58	6°51	3°41	2°44	17° 9	20°44	S 9
S 10	3 42 17	24°29'47	2♒35	10°43	21°59	6° 2	21°28	16°45	24°38	12° 1	6°50	3°39	2°41	17°15	20°41	S 10
M11	3 46 14	25°30'39	15°58	10°18	23°14	6°18	21°23	16°51	24°40	12° 3	6°49	3°37	2°38	17°22	20°38	M11
T 12	3 50 11	26°31'31	29°39	10° 5	24°30	6°32	21°17	16°58	24°42	12° 5	6°48	3°D37	2°35	17°28	20°34	T 12
W13	3 54 7	27°32'25	13♓38	10°D 3	25°45	6°46	21°12	17° 4	24°45	12° 7	6°47	3°38	2°32	17°35	20°31	W13
T 14	3 58 4	28°33'19	27°55	10°11	27° 1	7° 0	21° 7	17°10	24°47	12° 9	6°46	3°39	2°28	17°42	20°28	T 14
F 15	4 2 0	29°34'14	12♈28	10°28	28°16	7°13	21° 2	17°16	24°49	12°12	6°44	3°41	2°25	17°48	20°24	F 15
S 16	4 5 57	0♐35'09	27°14	10°55	29°32	7°25	20°58	17°22	24°52	12°14	6°43	3°R42	2°22	17°55	20°21	S 16
S 17	4 9 53	1°36'06	12♉ 5	11°29	0♐47	7°37	20°53	17°28	24°54	12°16	6°42	3°41	2°19	18° 2	20°17	S 17
M18	4 13 50	2°37'03	26°56	12°11	2° 3	7°48	20°49	17°33	24°56	12°18	6°41	3°40	2°16	18° 8	20°14	M18
T 19	4 17 46	3°38'02	11♊38	12°58	3°18	7°58	20°45	17°39	24°59	12°21	6°40	3°37	2°12	18°15	20°10	T 19
W20	4 21 43	4°39'01	26° 4	13°51	4°34	8° 8	20°41	17°45	25° 1	12°23	6°39	3°32	2° 9	18°22	20° 6	W20
T 21	4 25 40	5°40'02	10♋ 8	14°50	5°49	8°18	20°37	17°51	25° 4	12°25	6°38	3°27	2° 6	18°28	20° 3	T 21
F 22	4 29 36	6°41'03	23°47	15°52	7° 5	8°26	20°34	17°56	25° 7	12°27	6°36	3°22	2° 3	18°35	19°59	F 22
S 23	4 33 33	7°42'06	7♌ 0	16°58	8°20	8°35	20°30	18° 2	25° 9	12°30	6°35	3°17	2° 0	18°42	19°55	S 23
S 24	4 37 29	8°43'09	19°48	18° 7	9°36	8°42	20°27	18° 7	25°12	12°32	6°34	3°14	1°57	18°48	19°52	S 24
M25	4 41 26	9°44'13	2♍14	19°19	10°51	8°49	20°24	18°13	25°14	12°34	6°33	3°12	1°53	18°55	19°48	M25
T 26	4 45 22	10°45'19	14°23	20°33	12° 7	8°55	20°22	18°18	25°17	12°36	6°32	3°D12	1°50	19° 2	19°44	T 26
W27	4 49 19	11°46'25	26°19	21°50	13°23	9° 0	20°19	18°23	25°20	12°39	6°31	3°13	1°47	19° 8	19°40	W27
T 28	4 53 15	12°47'32	8♎ 8	23° 8	14°38	9° 4	20°17	18°29	25°23	12°41	6°29	3°15	1°44	19°15	19°37	T 28
F 29	4 57 12	13°48'40	19°55	24°28	15°54	9° 8	20°15	18°34	25°26	12°43	6°28	3°16	1°41	19°22	19°33	F 29
S 30	5 1 9	14♐49'49	1♏44	25♏49	17♐ 9	9♌11	20♈13	18♎39	25♑28	12♐45	6♊27	3°R17	1♏38	19♎28	19♊29	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s31	6s28	2s 1	18s17	0s16	14s18	0n49	21n20	1n54	7n22	1s30	4s 6	2n19	21s54	0s33	20s56	1n23	12n 6	9s36	12s52	12s37	7s48	18n 4	5s12
S 2	16 49	10 2	0 58	17 37	0n 4	14 43	0 47	21 17	1 56	7 19	1 30	4 9	2 19	21 53	0 33	20 56	1 23	12 6	9 36	12 52	12 36	7 50	18 3	5 12
S 3	17 6	13 13	0n 8	16 54	0 25	15 8	0 45	21 14	1 58	7 17	1 30	4 11	2 19	21 53	0 33	20 56	1 22	12 6	9 36	12 52	12 35	7 52	18 3	5 12
M 4	17 23	15 53	1 13	16 12	0 45	15 33	0 43	21 12	2 0	7 15	1 30	4 14	2 19	21 53	0 33	20 56	1 22	12 6	9 36	12 52	12 34	7 54	18 2	5 13
T 5	17 40	17 52	2 16	15 31	1 5	15 57	0 41	21 9	2 2	7 13	1 29	4 16	2 19	21 52	0 33	20 57	1 22	12 5	9 36	12 52	12 33	7 55	18 2	5 13
W 6	17 56	19 4	3 14	14 52	1 23	16 21	0 39	21 7	2 4	7 11	1 29	4 18	2 19	21 52	0 33	20 57	1 22	12 5	9 36	12 51	12 32	7 57	18 1	5 13
T 7	18 12	19 22	4 3	14 16	1 39	16 44	0 37	21 5	2 6	7 9	1 29	4 21	2 20	21 51	0 33	20 57	1 22	12 5	9 36	12 50	12 31	7 59	18 1	5 14
F 8	18 28	18 42	4 41	13 45	1 53	17 7	0 35	21 3	2 8	7 7	1 29	4 23	2 20	21 51	0 33	20 58	1 22	12 5	9 36	12 49	12 30	8 1	18 0	5 14
S 9	18 44	17 5	5 6	13 18	2 6	17 29	0 33	21 1	2 10	7 5	1 28	4 25	2 20	21 51	0 33	20 58	1 22	12 5	9 36	12 48	12 29	8 3	18 0	5 14
S 10	18 59	14 33	5 15	12 57	2 16	17 51	0 30	20 59	2 12	7 3	1 28	4 28	2 20	21 50	0 33	20 58	1 22	12 4	9 36	12 47	12 28	8 4	17 59	5 15
M11	19 13	11 13	5 8	12 42	2 24	18 13	0 28	20 57	2 15	7 1	1 28	4 30	2 20	21 50	0 33	20 59	1 22	12 4	9 36	12 47	12 26	8 6	17 59	5 15
T 12	19 28	7 13	4 44	12 32	2 30	18 34	0 26	20 56	2 17	6 59	1 28	4 32	2 20	21 49	0 33	20 59	1 22	12 4	9 36	12 47	12 25	8 8	17 58	5 15
W13	19 42	2 44	4 2	12 27	2 34	18 54	0 23	20 54	2 19	6 57	1 27	4 34	2 20	21 49	0 33	20 59	1 22	12 4	9 36	12 47	12 24	8 10	17 58	5 15
T 14	19 56	1n59	3 5	12 27	2 37	19 14	0 21	20 53	2 21	6 56	1 27	4 36	2 21	21 49	0 33	20 59	1 22	12 4	9 36	12 47	12 23	8 11	17 57	5 16
F 15	20 9	6 42	1 54	12 32	2 38	19 33	0 19	20 52	2 23	6 54	1 27	4 39	2 21	21 48	0 33	21 0	1 22	12 4	9 36	12 48	12 22	8 13	17 57	5 16
S 16	20 22	11 5	0 36	12 40	2 38	19 52	0 16	20 51	2 26	6 53	1 27	4 41	2 21	21 48	0 33	21 0	1 22	12 3	9 36	12 48	12 21	8 15	17 56	5 16
S 17	20 34	14 48	0s46	12 52	2 36	20 11	0 14	20 50	2 28	6 51	1 26	4 43	2 21	21 47	0 33	21 0	1 22	12 3	9 36	12 48	12 20	8 17	17 56	5 17
M18	20 47	17 33	2 4	13 7	2 34	20 28	0 12	20 49	2 30	6 50	1 26	4 45	2 21	21 47	0 33	21 1	1 22	12 3	9 36	12 48	12 19	8 18	17 55	5 17
T 19	20 58	19 5	3 13	13 25	2 30	20 45	0 9	20 49	2 33	6 49	1 26	4 47	2 21	21 46	0 33	21 1	1 22	12 3	9 36	12 47	12 18	8 20	17 55	5 17
W20	21 10	19 21	4 9	13 45	2 26	21 2	0 7	20 48	2 35	6 48	1 25	4 49	2 22	21 46	0 33	21 1	1 22	12 3	9 36	12 45	12 17	8 22	17 54	5 17
T 21	21 21	18 23	4 47	14 7	2 21	21 18	0 5	20 48	2 37	6 46	1 25	4 51	2 22	21 45	0 33	21 2	1 22	12 3	9 36	12 43	12 15	8 24	17 54	5 18
F 22	21 31	16 23	5 8	14 30	2 16	21 33	0 2	20 48	2 40	6 45	1 25	4 53	2 22	21 45	0 33	21 2	1 22	12 3	9 36	12 42	12 14	8 25	17 53	5 18
S 23	21 42	13 34	5 12	14 54	2 10	21 48	0s 0	20 48	2 42	6 44	1 25	4 55	2 22	21 44	0 33	21 2	1 22	12 2	9 36	12 40	12 13	8 27	17 53	5 18
S 24	21 51	10 12	5 0	15 20	2 3	22 2	0 3	20 49	2 45	6 44	1 24	4 57	2 22	21 44	0 33	21 3	1 22	12 2	9 36	12 39	12 12	8 29	17 52	5 18
M25	22 1	6 28	4 34	15 46	1 57	22 15	0 5	20 49	2 47	6 43	1 24	4 59	2 22	21 43	0 33	21 3	1 22	12 2	9 36	12 38	12 11	8 31	17 52	5 18
T 26	22 9	2 33	3 56	16 12	1 50	22 28	0 7	20 50	2 50	6 42	1 24	5 1	2 23	21 43	0 33	21 3	1 22	12 2	9 36	12 38	12 10	8 32	17 51	5 19
W27	22 18	1s24	3 8	16 39	1 43	22 40	0 10	20 51	2 52	6 41	1 23	5 2	2 23	21 42	0 33	21 3	1 22	12 2	9 36	12 38	12 9	8 34	17 51	5 19
T 28	22 26	5 16	2 13	17 6	1 35	22 51	0 12	20 52	2 55	6 41	1 23	5 4	2 23	21 42	0 33	21 4	1 22	12 2	9 36	12 39	12 8	8 36	17 50	5 19
F 29	22 34	8 56	1 12	17 33	1 28	23 2	0 14	20 54	2 57	6 40	1 23	5 6	2 23	21 41	0 33	21 4	1 22	12 2	9 36	12 40	12 7	8 38	17 50	5 19
S 30	22s41	12s16	0s 8	18s 0	1n20	23s12	0s17	20n55	3n 0	6n40	1s22	5s 8	2n23	21s41	0s33	21s 4	1n22	12n 1	9s36	12s40	12s 6	8s39	17n49	5s19

Julian Day Number = 2143956.5, Delta T = 14m58s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'54, Lahiri = 12°06'55 Julian Calendar 1 Nov. 1157 == Greg. Calendar 8 Nov. 1157

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ASTRODIENST EPHEMERIS for the year 1157
geocentric

DECEMBER 1157 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 5	15♐50'59	13♏40	27♏12	18♐25	9♌14	20°R11	18♎44	25♑31	12♐48	6°R26	3°R16	1♏34	19♎35	19°R25	S 1
M 2	5 9 2	16°52'09	25°46	28°36	19°40	9°15	20♈10	18°49	25°34	12°50	6♊25	3♏14	1°31	19°41	19♊21	M 2
T 3	5 12 58	17°53'19	8♐ 4	0♐ 0	20°56	9°16	20° 8	18°54	25°37	12°52	6°24	3° 9	1°28	19°48	19°18	T 3
W 4	5 16 55	18°54'31	20°35	1°26	22°11	9°R16	20° 7	18°58	25°40	12°54	6°23	3° 2	1°25	19°55	19°14	W 4
T 5	5 20 51	19°55'42	3♑21	2°52	23°27	9°15	20° 6	19° 3	25°43	12°57	6°21	2°54	1°22	20° 1	19°10	T 5
F 6	5 24 48	20°56'54	16°20	4°19	24°42	9°14	20° 6	19° 8	25°46	12°59	6°20	2°45	1°18	20° 8	19° 6	F 6
S 7	5 28 44	21°58'06	29°32	5°47	25°58	9°12	20° 5	19°12	25°49	13° 1	6°19	2°36	1°15	20°15	19° 2	S 7
S 8	5 32 41	22°59'18	12♒56	7°15	27°13	9° 8	20° 5	19°17	25°52	13° 4	6°18	2°28	1°12	20°21	18°58	S 8
M 9	5 36 38	24° 0'30	26°31	8°43	28°29	9° 4	20°D 5	19°21	25°55	13° 6	6°17	2°23	1° 9	20°28	18°55	M 9
T 10	5 40 34	25° 1'42	10♓16	10°12	29°44	9° 0	20° 5	19°25	25°58	13° 8	6°16	2°19	1° 6	20°35	18°51	T 10
W11	5 44 31	26° 2'53	24°11	11°42	0♑59	8°54	20° 6	19°30	26° 2	13°10	6°15	2°D18	1° 3	20°41	18°47	W11
T 12	5 48 27	27° 4'05	8♈15	13°12	2°15	8°48	20° 6	19°34	26° 5	13°12	6°14	2°19	0°59	20°48	18°43	T 12
F 13	5 52 24	28° 5'16	22°27	14°42	3°30	8°40	20° 7	19°38	26° 8	13°15	6°13	2°20	0°56	20°55	18°39	F 13
S 14	5 56 20	29° 6'27	6♉46	16°13	4°46	8°32	20° 8	19°42	26°11	13°17	6°12	2°R20	0°53	21° 1	18°36	S 14
S 15	6 0 17	0♑ 7'38	21°10	17°44	6° 1	8°24	20° 9	19°46	26°14	13°19	6°11	2°18	0°50	21° 8	18°32	S 15
M16	6 4 13	1° 8'48	5♊35	19°16	7°17	8°14	20°11	19°50	26°18	13°21	6° 9	2°14	0°47	21°15	18°28	M16
T 17	6 8 10	2° 9'58	19°55	20°48	8°32	8° 3	20°12	19°53	26°21	13°23	6° 8	2° 8	0°44	21°21	18°24	T 17
W18	6 12 7	3°11'08	4♋ 5	22°20	9°48	7°52	20°14	19°57	26°24	13°26	6° 7	1°58	0°40	21°28	18°21	W18
T 19	6 16 3	4°12'18	17°59	23°53	11° 3	7°40	20°16	20° 0	26°27	13°28	6° 6	1°48	0°37	21°34	18°17	T 19
F 20	6 20 0	5°13'28	1♌34	25°26	12°18	7°27	20°18	20° 4	26°31	13°30	6° 5	1°37	0°34	21°41	18°13	F 20
S 21	6 23 56	6°14'37	14°46	27° 0	13°34	7°14	20°21	20° 7	26°34	13°32	6° 4	1°26	0°31	21°48	18°10	S 21
S 22	6 27 53	7°15'47	27°36	28°34	14°49	6°59	20°23	20°11	26°37	13°34	6° 3	1°17	0°28	21°54	18° 6	S 22
M23	6 31 49	8°16'56	10♍ 4	0♑ 8	16° 4	6°44	20°26	20°14	26°41	13°36	6° 2	1°11	0°24	22° 1	18° 3	M23
T 24	6 35 46	9°18'05	22°15	1°43	17°20	6°28	20°29	20°17	26°44	13°38	6° 1	1° 7	0°21	22° 8	17°59	T 24
W25	6 39 42	10°19'14	4♎12	3°18	18°35	6°12	20°33	20°20	26°48	13°40	6° 1	1° 6	0°18	22°14	17°56	W25
T 26	6 43 39	11°20'22	16° 2	4°54	19°50	5°54	20°36	20°23	26°51	13°43	6° 0	1°D 6	0°15	22°21	17°52	T 26
F 27	6 47 36	12°21'31	27°49	6°30	21° 6	5°36	20°40	20°26	26°54	13°45	5°59	1°R 6	0°12	22°28	17°49	F 27
S 28	6 51 32	13°22'39	9♏40	8° 7	22°21	5°18	20°43	20°28	26°58	13°47	5°58	1° 6	0° 9	22°34	17°45	S 28
S 29	6 55 29	14°23'47	21°39	9°44	23°36	4°59	20°47	20°31	27° 1	13°49	5°57	1° 4	0° 5	22°41	17°42	S 29
M30	6 59 25	15°24'55	3♐50	11°22	24°52	4°39	20°52	20°33	27° 5	13°51	5°56	0°59	0° 2	22°48	17°39	M30
T 31	7 3 22	16♑26'02	16♐18	13♑ 1	26♑ 7	4♌18	20♈56	20♎36	27♑ 8	13♐53	5♊55	0♏52	29♎59	22♎54	17♊36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s47	15s 7	0n56	18s26	1n13	23s21	0s19	20n57	3n 2	6n39	1s22	5s 9	2n24	21s40	0s33	21s 5	1n22	12n 1	9s35	12s40	12s 4	8s41	17n49	5s19
M 2	22 54	17 22	1 59	18 53	1 5	23 30	0 21	20 59	3 5	6 39	1 22	5 11	2 24	21 40	0 33	21 5	1 22	12 1	9 35	12 39	12 3	8 43	17 49	5 19
T 3	22 59	18 50	2 57	19 18	0 58	23 38	0 24	21 1	3 7	6 39	1 21	5 13	2 24	21 39	0 33	21 5	1 22	12 1	9 35	12 37	12 2	8 45	17 48	5 20
W 4	23 5	19 25	3 48	19 44	0 50	23 45	0 26	21 4	3 10	6 39	1 21	5 14	2 24	21 39	0 33	21 5	1 22	12 1	9 35	12 35	12 1	8 46	17 48	5 20
T 5	23 10	19 2	4 28	20 8	0 42	23 51	0 28	21 7	3 12	6 39	1 21	5 16	2 24	21 38	0 33	21 6	1 22	12 1	9 35	12 32	12 0	8 48	17 47	5 20
F 6	23 14	17 40	4 55	20 32	0 35	23 57	0 31	21 9	3 15	6 39	1 20	5 18	2 25	21 37	0 33	21 6	1 22	12 1	9 35	12 29	11 59	8 50	17 47	5 20
S 7	23 18	15 20	5 7	20 55	0 27	24 2	0 33	21 13	3 18	6 39	1 20	5 19	2 25	21 37	0 33	21 6	1 22	12 1	9 35	12 26	11 58	8 51	17 47	5 20
S 8	23 22	12 10	5 2	21 18	0 19	24 6	0 35	21 16	3 20	6 39	1 20	5 21	2 25	21 36	0 33	21 7	1 22	12 1	9 35	12 23	11 57	8 53	17 46	5 20
M 9	23 25	8 20	4 41	21 39	0 12	24 9	0 37	21 19	3 23	6 39	1 19	5 22	2 25	21 36	0 33	21 7	1 22	12 1	9 35	12 21	11 56	8 55	17 46	5 20
T 10	23 27	4 0	4 3	22 0	0 5	24 12	0 39	21 23	3 25	6 40	1 19	5 23	2 26	21 35	0 33	21 7	1 22	12 1	9 35	12 20	11 54	8 57	17 45	5 20
W11	23 29	0n35	3 10	22 20	0s 3	24 14	0 42	21 27	3 28	6 40	1 19	5 25	2 26	21 34	0 33	21 7	1 22	12 1	9 35	12 20	11 53	8 58	17 45	5 20
T 12	23 31	5 12	2 6	22 39	0 10	24 15	0 44	21 31	3 31	6 41	1 18	5 26	2 26	21 34	0 33	21 8	1 22	12 0	9 34	12 20	11 52	9 0	17 45	5 20
F 13	23 32	9 35	0 53	22 56	0 17	24 16	0 46	21 36	3 33	6 41	1 18	5 27	2 26	21 33	0 33	21 8	1 22	12 0	9 34	12 20	11 51	9 2	17 44	5 20
S 14	23 33	13 28	0s24	23 13	0 24	24 15	0 48	21 40	3 36	6 42	1 18	5 29	2 26	21 33	0 33	21 8	1 22	12 0	9 34	12 20	11 50	9 3	17 44	5 20
S 15	23 33	16 32	1 39	23 29	0 30	24 14	0 50	21 45	3 38	6 43	1 18	5 30	2 27	21 32	0 33	21 9	1 22	12 0	9 34	12 20	11 49	9 5	17 44	5 20
M16	23 32	18 34	2 48	23 43	0 37	24 12	0 52	21 50	3 41	6 44	1 17	5 31	2 27	21 31	0 33	21 9	1 22	12 0	9 34	12 18	11 48	9 7	17 43	5 20
T 17	23 32	19 24	3 46	23 57	0 43	24 10	0 54	21 55	3 43	6 45	1 17	5 32	2 27	21 31	0 33	21 9	1 22	12 0	9 34	12 16	11 47	9 9	17 43	5 20
W18	23 30	19 0	4 29	24 9	0 50	24 6	0 56	22 1	3 46	6 46	1 17	5 34	2 27	21 30	0 33	21 9	1 22	12 0	9 34	12 13	11 46	9 10	17 43	5 20
T 19	23 29	17 27	4 55	24 20	0 56	24 2	0 58	22 6	3 48	6 47	1 16	5 35	2 28	21 30	0 33	21 10	1 22	12 0	9 33	12 9	11 44	9 12	17 43	5 20
F 20	23 27	14 58	5 4	24 29	1 1	23 58	0 59	22 12	3 50	6 48	1 16	5 36	2 28	21 29	0 33	21 10	1 22	12 0	9 33	12 5	11 43	9 14	17 42	5 20
S 21	23 24	11 46	4 56	24 38	1 7	23 52	1 1	22 18	3 53	6 49	1 16	5 37	2 28	21 28	0 33	21 10	1 22	12 0	9 33	12 2	11 42	9 15	17 42	5 20
S 22	23 21	8 6	4 33	24 45	1 13	23 46	1 3	22 24	3 55	6 50	1 15	5 38	2 28	21 28	0 33	21 10	1 22	12 0	9 33	11 58	11 41	9 17	17 42	5 20
M23	23 17	4 10	3 57	24 51	1 18	23 39	1 5	22 30	3 57	6 52	1 15	5 39	2 29	21 27	0 33	21 11	1 22	12 0	9 33	11 56	11 40	9 19	17 41	5 20
T 24	23 13	0 9	3 12	24 55	1 23	23 31	1 6	22 36	4 0	6 53	1 15	5 40	2 29	21 26	0 33	21 11	1 22	12 0	9 33	11 55	11 39	9 20	17 41	5 20
W25	23 9	3s48	2 18	24 58	1 28	23 22	1 8	22 42	4 2	6 55	1 14	5 41	2 29	21 26	0 33	21 11	1 22	12 0	9 33	11 54	11 38	9 22	17 41	5 20
T 26	23 4	7 33	1 19	24 59	1 32	23 13	1 9	22 49	4 4	6 56	1 14	5 41	2 29	21 25	0 33	21 11	1 22	12 0	9 32	11 54	11 37	9 24	17 41	5 20
F 27	22 58	11 1	0 17	25 0	1 37	23 3	1 11	22 55	4 6	6 58	1 14	5 42	2 30	21 24	0 33	21 11	1 22	12 0	9 32	11 54	11 35	9 25	17 41	5 20
S 28	22 52	14 3	0n45	24 58	1 41	22 52	1 12	23 2	4 8	7 0	1 13	5 43	2 30	21 24	0 33	21 12	1 22	12 0	9 32	11 54	11 34	9 27	17 40	5 20
S 29	22 46	16 32	1 47	24 55	1 44	22 41	1 14	23 9	4 10	7 1	1 13	5 44	2 30	21 23	0 33	21 12	1 22	12 0	9 32	11 54	11 33	9 29	17 40	5 20
M30	22 39	18 19	2 45	24 51	1 48	22 29	1 15	23 15	4 12	7 3	1 13	5 45	2 30	21 22	0 33	21 12	1 22	12 0	9 32	11 52	11 32	9 30	17 40	5 20
T 31	22s32	19s16	3n36	24s45	1s51	22s16	1s16	23n22	4n13	7n 5	1s12	5s45	2n31	21s22	0s33	21s12	1n22	12n 0	9s32	11s50	11s31	9s32	17n40	5s19

Julian Day Number = 2143986.5, Delta T = 14m58s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°59'58, Lahiri = 12°06'59 Julian Calendar 1 Dec. 1157 == Greg. Calendar 8 Dec. 1157

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

JANUARY 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 7 18	17♉27'09	29♐ 4	14♉40	27♉22	3°R57	21♈ 1	20♎38	27♉12	13♐55	5°R54	0°R42	29♎56	23♎ 1	17°R32	W 1
T 2	7 11 15	18°28'15	12♉ 9	16°19	28°38	3♌36	21° 5	20°40	27°15	13°57	5♊54	0♏30	29°53	23° 8	17♊29	T 2
F 3	7 15 12	19°29'20	25°32	17°59	29°53	3°14	21°10	20°42	27°19	13°59	5°53	0°17	29°50	23°14	17°26	F 3
S 4	7 19 8	20°30'25	9♒10	19°40	1♒ 8	2°52	21°15	20°44	27°22	14° 0	5°52	0° 4	29°46	23°21	17°23	S 4
S 5	7 23 5	21°31'29	23° 1	21°21	2°23	2°29	21°21	20°46	27°26	14° 2	5°51	29♎52	29°43	23°27	17°20	S 5
M 6	7 27 1	22°32'31	6♓59	23° 3	3°39	2° 6	21°26	20°48	27°29	14° 4	5°50	29°43	29°40	23°34	17°17	M 6
T 7	7 30 58	23°33'32	21° 2	24°46	4°54	1°43	21°32	20°50	27°33	14° 6	5°50	29°38	29°37	23°41	17°15	T 7
W 8	7 34 54	24°34'33	5♈ 7	26°29	6° 9	1°19	21°38	20°51	27°36	14° 8	5°49	29°35	29°34	23°47	17°12	W 8
T 9	7 38 51	25°35'32	19°12	28°13	7°24	0°55	21°44	20°53	27°40	14°10	5°48	29°34	29°30	23°54	17° 9	T 9
F 10	7 42 47	26°36'29	3♉16	29°57	8°40	0°32	21°50	20°54	27°43	14°12	5°48	29°34	29°27	24° 1	17° 6	F 10
S 11	7 46 44	27°37'26	17°19	1♒42	9°55	0° 8	21°56	20°56	27°47	14°13	5°47	29°33	29°24	24° 7	17° 4	S 11
S 12	7 50 40	28°38'21	1♊20	3°27	11°10	29♋44	22° 3	20°57	27°50	14°15	5°46	29°31	29°21	24°14	17° 1	S 12
M13	7 54 37	29°39'14	15°18	5°13	12°25	29°19	22° 9	20°58	27°54	14°17	5°46	29°25	29°18	24°21	16°59	M13
T 14	7 58 34	0♒40'07	29°10	7° 0	13°40	28°55	22°16	20°59	27°57	14°19	5°45	29°17	29°15	24°27	16°56	T 14
W15	8 2 30	1°40'58	12♋54	8°46	14°55	28°32	22°23	21° 0	28° 1	14°20	5°44	29° 6	29°11	24°34	16°54	W15
T 16	8 6 27	2°41'48	26°26	10°34	16°10	28° 8	22°30	21° 1	28° 4	14°22	5°44	28°53	29° 8	24°41	16°52	T 16
F 17	8 10 23	3°42'36	9♌43	12°21	17°25	27°44	22°38	21° 1	28° 8	14°24	5°43	28°40	29° 5	24°47	16°49	F 17
S 18	8 14 20	4°43'23	22°44	14° 8	18°40	27°21	22°45	21° 2	28°11	14°25	5°43	28°27	29° 2	24°54	16°47	S 18
S 19	8 18 16	5°44'09	5♍26	15°56	19°55	26°58	22°53	21° 2	28°15	14°27	5°42	28°16	28°59	25° 1	16°45	S 19
M20	8 22 13	6°44'54	17°51	17°43	21°10	26°35	23° 1	21° 3	28°18	14°28	5°42	28° 7	28°56	25° 7	16°43	M20
T 21	8 26 10	7°45'38	0♎ 0	19°29	22°25	26°12	23° 8	21° 3	28°22	14°30	5°41	28° 2	28°52	25°14	16°41	T 21
W22	8 30 6	8°46'20	11°58	21°15	23°40	25°50	23°17	21° 3	28°25	14°31	5°41	27°59	28°49	25°20	16°39	W22
T 23	8 34 3	9°47'02	23°48	23° 0	24°55	25°29	23°25	21°R 3	28°29	14°33	5°40	27°D58	28°46	25°27	16°37	T 23
F 24	8 37 59	10°47'42	5♏35	24°44	26°10	25° 7	23°33	21° 3	28°32	14°34	5°40	27°R58	28°43	25°34	16°36	F 24
S 25	8 41 56	11°48'21	17°25	26°25	27°25	24°47	23°42	21° 3	28°35	14°36	5°40	27°58	28°40	25°40	16°34	S 25
S 26	8 45 52	12°48'59	29°25	28° 5	28°40	24°26	23°50	21° 3	28°39	14°37	5°39	27°56	28°36	25°47	16°33	S 26
M27	8 49 49	13°49'35	11♐37	29°42	29°54	24° 7	23°59	21° 2	28°42	14°39	5°39	27°53	28°33	25°54	16°31	M27
T 28	8 53 45	14°50'11	24° 9	1♓16	1♓ 9	23°48	24° 8	21° 2	28°46	14°40	5°38	27°47	28°30	26° 0	16°30	T 28
W29	8 57 42	15°50'45	7♉ 2	2°46	2°24	23°29	24°17	21° 1	28°49	14°41	5°38	27°39	28°27	26° 7	16°28	W29
T 30	9 1 39	16°51'18	20°19	4°12	3°39	23°11	24°26	21° 0	28°53	14°43	5°38	27°28	28°24	26°14	16°27	T 30
F 31	9 5 35	17♒51'49	3♒59	5♓33	4♓54	22♋54	24♈35	21♎ 0	28♉56	14♐44	5♊38	27♎16	28♎21	26♎20	16♊26	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s24	19s16	4n17	24s37	1s54	22s 3	1s18	23n29	4n15	7n 7	1s12	5s46	2n31	21s21	0s33	21s13	1n22	12n 0	9s31	11s46	11s30	9s34	17n40	5s19
T 2	22 16	18 15	4 46	24 28	1 56	21 49	1 19	23 35	4 17	7 9	1 12	5 46	2 31	21 20	0 33	21 13	1 22	12 0	9 31	11 42	11 29	9 35	17 39	5 19
F 3	22 7	16 13	5 0	24 17	1 59	21 34	1 20	23 42	4 18	7 11	1 12	5 47	2 31	21 20	0 33	21 13	1 22	12 0	9 31	11 37	11 28	9 37	17 39	5 19
S 4	21 58	13 16	4 57	24 5	2 0	21 19	1 21	23 49	4 20	7 14	1 11	5 47	2 32	21 19	0 33	21 13	1 22	12 0	9 31	11 33	11 27	9 39	17 39	5 19
S 5	21 49	9 33	4 37	23 51	2 2	21 3	1 22	23 55	4 21	7 16	1 11	5 48	2 32	21 18	0 33	21 13	1 22	12 1	9 31	11 29	11 25	9 40	17 39	5 19
M 6	21 39	5 16	4 0	23 35	2 3	20 46	1 23	24 2	4 22	7 18	1 11	5 48	2 32	21 18	0 33	21 14	1 22	12 1	9 30	11 25	11 24	9 42	17 39	5 19
T 7	21 29	0 41	3 9	23 18	2 4	20 29	1 24	24 8	4 23	7 21	1 10	5 49	2 33	21 17	0 33	21 14	1 22	12 1	9 30	11 23	11 23	9 44	17 39	5 18
W 8	21 18	3n57	2 6	22 59	2 4	20 11	1 25	24 15	4 24	7 23	1 10	5 49	2 33	21 16	0 33	21 14	1 22	12 1	9 30	11 22	11 22	9 45	17 39	5 18
T 9	21 7	8 23	0 55	22 38	2 4	19 53	1 26	24 21	4 25	7 26	1 10	5 49	2 33	21 15	0 33	21 14	1 22	12 1	9 30	11 22	11 21	9 47	17 39	5 18
F 10	20 56	12 21	0s20	22 15	2 3	19 34	1 26	24 27	4 26	7 28	1 10	5 50	2 33	21 15	0 33	21 14	1 22	12 1	9 30	11 22	11 20	9 49	17 39	5 18
S 11	20 44	15 36	1 33	21 51	2 2	19 14	1 27	24 33	4 27	7 31	1 9	5 50	2 34	21 14	0 33	21 15	1 22	12 1	9 29	11 22	11 19	9 50	17 39	5 18
S 12	20 31	17 55	2 40	21 25	2 1	18 54	1 28	24 39	4 27	7 34	1 9	5 50	2 34	21 13	0 33	21 15	1 23	12 1	9 29	11 21	11 17	9 52	17 39	5 17
M13	20 19	19 9	3 37	20 58	1 58	18 34	1 28	24 45	4 28	7 36	1 9	5 50	2 34	21 13	0 33	21 15	1 23	12 1	9 29	11 19	11 16	9 54	17 39	5 17
T 14	20 6	19 12	4 20	20 28	1 56	18 13	1 29	24 50	4 28	7 39	1 8	5 50	2 34	21 12	0 33	21 15	1 23	12 1	9 29	11 16	11 15	9 55	17 39	5 17
W15	19 52	18 8	4 49	19 57	1 52	17 51	1 29	24 55	4 28	7 42	1 8	5 50	2 35	21 11	0 33	21 15	1 23	12 1	9 29	11 12	11 14	9 57	17 39	5 17
T 16	19 39	16 3	5 0	19 25	1 49	17 29	1 29	25 0	4 28	7 45	1 8	5 51	2 35	21 11	0 33	21 15	1 23	12 2	9 28	11 8	11 13	9 58	17 39	5 17
F 17	19 25	13 9	4 55	18 50	1 44	17 6	1 30	25 5	4 28	7 48	1 8	5 51	2 35	21 10	0 33	21 16	1 23	12 2	9 28	11 3	11 12	10 0	17 39	5 16
S 18	19 10	9 41	4 34	18 14	1 39	16 43	1 30	25 10	4 28	7 51	1 7	5 50	2 35	21 9	0 33	21 16	1 23	12 2	9 28	10 58	11 11	10 2	17 39	5 16
S 19	18 55	5 50	4 0	17 37	1 33	16 20	1 30	25 14	4 28	7 54	1 7	5 50	2 36	21 8	0 33	21 16	1 23	12 2	9 28	10 54	11 10	10 3	17 39	5 16
M20	18 40	1 50	3 15	16 58	1 27	15 56	1 30	25 19	4 28	7 57	1 7	5 50	2 36	21 8	0 33	21 16	1 23	12 2	9 27	10 51	11 8	10 5	17 39	5 16
T 21	18 25	2s11	2 22	16 18	1 20	15 31	1 30	25 23	4 28	8 0	1 6	5 50	2 36	21 7	0 33	21 16	1 23	12 2	9 27	10 49	11 7	10 7	17 39	5 15
W22	18 9	6 2	1 24	15 37	1 12	15 6	1 30	25 27	4 27	8 3	1 6	5 50	2 37	21 6	0 33	21 16	1 23	12 2	9 27	10 48	11 6	10 8	17 39	5 15
T 23	17 53	9 37	0 22	14 55	1 4	14 41	1 30	25 30	4 26	8 7	1 6	5 50	2 37	21 6	0 33	21 17	1 23	12 3	9 27	10 48	11 5	10 10	17 39	5 15
F 24	17 36	12 48	0n40	14 11	0 54	14 15	1 30	25 34	4 26	8 10	1 6	5 49	2 37	21 5	0 33	21 17	1 23	12 3	9 27	10 48	11 4	10 11	17 39	5 15
S 25	17 19	15 29	1 42	13 27	0 44	13 49	1 29	25 37	4 25	8 13	1 5	5 49	2 37	21 4	0 33	21 17	1 23	12 3	9 26	10 48	11 3	10 13	17 39	5 14
S 26	17 2	17 32	2 39	12 43	0 33	13 23	1 29	25 40	4 24	8 17	1 5	5 49	2 38	21 4	0 33	21 17	1 23	12 3	9 26	10 47	11 2	10 15	17 39	5 14
M27	16 45	18 49	3 30	11 58	0 22	12 56	1 29	25 42	4 23	8 20	1 5	5 48	2 38	21 3	0 33	21 17	1 23	12 3	9 26	10 46	11 1	10 16	17 39	5 14
T 28	16 27	19 13	4 12	11 13	0 10	12 29	1 28	25 45	4 22	8 24	1 5	5 48	2 38	21 2	0 33	21 17	1 23	12 3	9 26	10 44	10 59	10 18	17 39	5 14
W29	16 9	18 39	4 43	10 29	0n 3	12 2	1 28	25 47	4 21	8 27	1 4	5 47	2 38	21 2	0 33	21 17	1 23	12 4	9 25	10 41	10 58	10 19	17 40	5 13
T 30	15 51	17 3	5 0	9 45	0 17	11 34	1 27	25 49	4 20	8 31	1 4	5 47	2 39	21 1	0 33	21 17	1 23	12 4	9 25	10 37	10 57	10 21	17 40	5 13
F 31	15s33	14s29	5n 0	9s 3	0n31	11s 6	1s26	25n50	4n19	8n35	1s 4	5s46	2n39	21s 0	0s33	21s18	1n23	12n 4	9s25	10s33	10s56	10s23	17n40	5s13

Julian Day Number = 2144017.5, Delta T = 14m58s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'03, Lahiri = 12°07'03 Julian Calendar 1 Jan. 1158 == Greg. Calendar 8 Jan. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

FEBRUARY 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 32	18♒52'18	18♒ 0	6♓48	6♓ 8	22°R38	24♈45	20°R59	28♉59	14♐45	5°R37	27°R 5	28♎17	26♎27	16°R25	S 1
S 2	9 13 28	19°52'46	2♓16	7°56	7°23	22♋22	24°54	20♎58	29° 3	14°46	5♊37	26♎55	28°14	26°34	16♊24	S 2
M 3	9 17 25	20°53'12	16°41	8°58	8°38	22° 7	25° 4	20°57	29° 6	14°48	5°37	26°47	28°11	26°40	16°23	M 3
T 4	9 21 21	21°53'37	1♈11	9°52	9°52	21°53	25°14	20°55	29° 9	14°49	5°37	26°41	28° 8	26°47	16°22	T 4
W 5	9 25 18	22°53'59	15°38	10°38	11° 7	21°39	25°24	20°54	29°13	14°50	5°37	26°39	28° 5	26°53	16°21	W 5
T 6	9 29 14	23°54'19	29°59	11°15	12°22	21°26	25°34	20°53	29°16	14°51	5°36	26°D39	28° 2	27° 0	16°20	T 6
F 7	9 33 11	24°54'38	14♉11	11°43	13°36	21°14	25°44	20°51	29°19	14°52	5°36	26°39	27°58	27° 7	16°20	F 7
S 8	9 37 7	25°54'54	28°13	12° 1	14°51	21° 3	25°54	20°50	29°22	14°53	5°36	26°R39	27°55	27°13	16°19	S 8
S 9	9 41 4	26°55'08	12♊ 4	12°R10	16° 5	20°53	26° 4	20°48	29°26	14°54	5°36	26°38	27°52	27°20	16°19	S 9
M10	9 45 1	27°55'20	25°45	12° 9	17°20	20°43	26°15	20°46	29°29	14°55	5°36	26°35	27°49	27°27	16°18	M10
T 11	9 48 57	28°55'30	9♋15	11°59	18°34	20°34	26°25	20°44	29°32	14°56	5°D36	26°29	27°46	27°33	16°18	T 11
W12	9 52 54	29°55'38	22°33	11°39	19°49	20°26	26°36	20°42	29°35	14°57	5°36	26°21	27°42	27°40	16°18	W12
T 13	9 56 50	0♓55'44	5♌40	11°11	21° 3	20°19	26°47	20°40	29°38	14°58	5°36	26°12	27°39	27°47	16°18	T 13
F 14	10 0 47	1°55'48	18°35	10°35	22°17	20°13	26°58	20°38	29°41	14°59	5°36	26° 1	27°36	27°53	16°D18	F 14
S 15	10 4 43	2°55'50	1♍16	9°52	23°32	20° 7	27° 9	20°36	29°44	14°59	5°36	25°52	27°33	28° 0	16°18	S 15
S 16	10 8 40	3°55'50	13°44	9° 3	24°46	20° 2	27°20	20°34	29°47	15° 0	5°36	25°43	27°30	28° 7	16°18	S 16
M17	10 12 36	4°55'47	25°59	8°10	26° 0	19°58	27°31	20°31	29°50	15° 1	5°36	25°37	27°27	28°13	16°18	M17
T 18	10 16 33	5°55'44	8♎ 2	7°13	27°14	19°55	27°42	20°29	29°53	15° 2	5°37	25°33	27°23	28°20	16°19	T 18
W19	10 20 30	6°55'38	19°57	6°14	28°28	19°52	27°54	20°26	29°56	15° 2	5°37	25°D31	27°20	28°26	16°19	W19
T 20	10 24 26	7°55'30	1♏46	5°15	29°42	19°50	28° 5	20°23	29°59	15° 3	5°37	25°31	27°17	28°33	16°19	T 20
F 21	10 28 23	8°55'21	13°33	4°16	0♈57	19°49	28°17	20°20	0♒ 2	15° 4	5°37	25°32	27°14	28°40	16°20	F 21
S 22	10 32 19	9°55'10	25°23	3°19	2°11	19°D49	28°28	20°18	0° 5	15° 4	5°37	25°34	27°11	28°46	16°21	S 22
S 23	10 36 16	10°54'58	7♐21	2°25	3°25	19°49	28°40	20°15	0° 8	15° 5	5°38	25°R35	27° 7	28°53	16°21	S 23
M24	10 40 12	11°54'43	19°33	1°36	4°39	19°50	28°52	20°12	0°11	15° 5	5°38	25°34	27° 4	29° 0	16°22	M24
T 25	10 44 9	12°54'27	2♑ 3	0°51	5°53	19°52	29° 4	20° 9	0°14	15° 6	5°38	25°33	27° 1	29° 6	16°23	T 25
W26	10 48 5	13°54'09	14°56	0°11	7° 6	19°55	29°16	20° 5	0°17	15° 6	5°38	25°29	26°58	29°13	16°24	W26
T 27	10 52 2	14°53'50	28°14	29♒37	8°20	19°58	29°28	20° 2	0°19	15° 7	5°39	25°24	26°55	29°20	16°25	T 27
F 28	10 55 59	15♓53'28	11♒59	29♒ 9	9♈34	20♋ 2	29♈40	19♎59	0♒22	15♐ 7	5♊39	25♎17	26♎52	29♎26	16♊26	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s14	11s 1	4n43	8s21	0n45	10s38	1s26	25n52	4n17	8n38	1s 4	5s46	2n39	20s59	0s33	21s18	1n23	12n 4	9s25	10s29	10s55	10s24	17n40	5s12
S 2	14 55	6 52	4 7	7 42	1 0	10 9	1 25	25 53	4 16	8 42	1 3	5 45	2 39	20 59	0 33	21 18	1 23	12 4	9 24	10 25	10 54	10 26	17 40	5 12
M 3	14 36	2 16	3 16	7 5	1 15	9 40	1 24	25 54	4 15	8 46	1 3	5 45	2 40	20 58	0 33	21 18	1 23	12 5	9 24	10 22	10 53	10 27	17 41	5 12
T 4	14 16	2n29	2 11	6 30	1 31	9 11	1 23	25 55	4 13	8 50	1 3	5 44	2 40	20 57	0 33	21 18	1 23	12 5	9 24	10 20	10 51	10 29	17 41	5 11
W 5	13 57	7 5	0 58	5 59	1 46	8 42	1 22	25 56	4 11	8 53	1 3	5 43	2 40	20 57	0 33	21 18	1 23	12 5	9 24	10 19	10 50	10 31	17 41	5 11
T 6	13 37	11 14	0s18	5 31	2 1	8 12	1 21	25 56	4 10	8 57	1 3	5 42	2 40	20 56	0 33	21 18	1 23	12 5	9 23	10 19	10 49	10 32	17 41	5 11
F 7	13 17	14 42	1 32	5 6	2 16	7 42	1 20	25 57	4 8	9 1	1 2	5 42	2 41	20 55	0 33	21 18	1 23	12 5	9 23	10 19	10 48	10 34	17 41	5 11
S 8	12 56	17 15	2 40	4 46	2 31	7 12	1 19	25 57	4 6	9 5	1 2	5 41	2 41	20 55	0 33	21 18	1 23	12 6	9 23	10 19	10 47	10 35	17 42	5 10
S 9	12 36	18 44	3 38	4 30	2 44	6 42	1 17	25 57	4 5	9 9	1 2	5 40	2 41	20 54	0 33	21 18	1 23	12 6	9 23	10 19	10 46	10 37	17 42	5 10
M10	12 15	19 6	4 23	4 18	2 57	6 12	1 16	25 56	4 3	9 13	1 2	5 39	2 41	20 53	0 33	21 18	1 23	12 6	9 22	10 18	10 45	10 38	17 42	5 10
T 11	11 54	18 22	4 52	4 11	3 9	5 41	1 15	25 56	4 1	9 17	1 1	5 38	2 42	20 53	0 33	21 18	1 23	12 6	9 22	10 16	10 43	10 40	17 43	5 9
W12	11 33	16 38	5 5	4 9	3 19	5 11	1 13	25 55	3 59	9 21	1 1	5 37	2 42	20 52	0 33	21 19	1 24	12 7	9 22	10 13	10 42	10 42	17 43	5 9
T 13	11 12	14 4	5 1	4 12	3 28	4 40	1 12	25 55	3 57	9 25	1 1	5 36	2 42	20 52	0 33	21 19	1 24	12 7	9 22	10 9	10 41	10 43	17 43	5 9
F 14	10 50	10 51	4 42	4 19	3 35	4 9	1 10	25 54	3 55	9 29	1 1	5 35	2 42	20 51	0 33	21 19	1 24	12 7	9 21	10 6	10 40	10 45	17 43	5 8
S 15	10 28	7 11	4 10	4 30	3 40	3 38	1 9	25 53	3 53	9 34	1 1	5 34	2 43	20 50	0 33	21 19	1 24	12 7	9 21	10 2	10 39	10 46	17 44	5 8
S 16	10 7	3 16	3 26	4 46	3 43	3 7	1 7	25 52	3 52	9 38	1 0	5 33	2 43	20 50	0 33	21 19	1 24	12 8	9 21	9 59	10 38	10 48	17 44	5 8
M17	9 45	0s43	2 32	5 5	3 44	2 36	1 5	25 50	3 50	9 42	1 0	5 32	2 43	20 49	0 33	21 19	1 24	12 8	9 21	9 57	10 37	10 49	17 44	5 7
T 18	9 23	4 38	1 33	5 27	3 43	2 4	1 3	25 49	3 48	9 46	1 0	5 31	2 43	20 48	0 33	21 19	1 24	12 8	9 20	9 55	10 35	10 51	17 45	5 7
W19	9 0	8 18	0 30	5 51	3 40	1 33	1 1	25 47	3 46	9 51	1 0	5 30	2 43	20 48	0 33	21 19	1 24	12 8	9 20	9 55	10 34	10 53	17 45	5 7
T 20	8 38	11 37	0n34	6 18	3 35	1 2	1 0	25 45	3 44	9 55	1 0	5 28	2 44	20 47	0 33	21 19	1 24	12 9	9 20	9 55	10 33	10 54	17 46	5 6
F 21	8 16	14 27	1 36	6 46	3 28	0 30	0 58	25 44	3 42	9 59	0 59	5 27	2 44	20 47	0 33	21 19	1 24	12 9	9 20	9 55	10 32	10 56	17 46	5 6
S 22	7 53	16 41	2 35	7 14	3 19	0n 1	0 56	25 42	3 40	10 3	0 59	5 26	2 44	20 46	0 33	21 19	1 24	12 9	9 19	9 56	10 31	10 57	17 46	5 6
S 23	7 30	18 14	3 27	7 43	3 9	0 33	0 53	25 40	3 38	10 8	0 59	5 25	2 44	20 45	0 33	21 19	1 24	12 9	9 19	9 56	10 30	10 59	17 47	5 5
M24	7 7	18 57	4 12	8 11	2 58	1 4	0 51	25 37	3 36	10 12	0 59	5 23	2 44	20 45	0 33	21 19	1 24	12 10	9 19	9 56	10 29	11 0	17 47	5 5
T 25	6 45	18 47	4 45	8 39	2 45	1 35	0 49	25 35	3 34	10 17	0 59	5 22	2 45	20 44	0 33	21 19	1 24	12 10	9 19	9 55	10 27	11 2	17 48	5 5
W26	6 22	17 39	5 5	9 5	2 32	2 7	0 47	25 33	3 31	10 21	0 58	5 21	2 45	20 44	0 33	21 19	1 24	12 10	9 18	9 54	10 26	11 3	17 48	5 4
T 27	5 58	15 33	5 10	9 30	2 18	2 38	0 45	25 30	3 29	10 25	0 58	5 19	2 45	20 43	0 34	21 19	1 24	12 11	9 18	9 52	10 25	11 5	17 48	5 4
F 28	5s35	12s31	4n58	9s54	2n 4	3n10	0s42	25n28	3n27	10n30	0s58	5s18	2n45	20s42	0s34	21s19	1n24	12n11	9s18	9s50	10s24	11s 6	17n49	5s 4

Julian Day Number = 2144048.5, Delta T = 14m58s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'07, Lahiri = 12°07'07 Julian Calendar 1 Feb. 1158 == Greg. Calendar 8 Feb. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

MARCH 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 59 55	16♓53'05	26♒ 9	28°R47	10♈48	20♋ 7	29♈52	19°R55	0♒25	15♐ 7	5♊39	25°R11	26♎48	29♎33	16♊27	S 1
S 2	11 3 52	17°52'39	10♓40	28♒32	12° 2	20°12	0♉ 4	19♎52	0°27	15° 8	5°40	25♎ 5	26°45	29°40	16°29	S 2
M 3	11 7 48	18°52'12	25°27	28°22	13°15	20°18	0°17	19°48	0°30	15° 8	5°40	25° 1	26°42	29°46	16°30	M 3
T 4	11 11 45	19°51'42	10♈20	28°D19	14°29	20°25	0°29	19°45	0°33	15° 8	5°41	24°58	26°39	29°53	16°31	T 4
W 5	11 15 41	20°51'11	25°12	28°21	15°43	20°32	0°42	19°41	0°35	15° 8	5°41	24°D58	26°36	29°59	16°33	W 5
T 6	11 19 38	21°50'37	9♉57	28°29	16°56	20°40	0°54	19°37	0°38	15° 9	5°42	24°58	26°33	0♏ 6	16°35	T 6
F 7	11 23 34	22°50'01	24°28	28°43	18°10	20°48	1° 7	19°34	0°40	15° 9	5°42	25° 0	26°29	0°13	16°36	F 7
S 8	11 27 31	23°49'22	8♊41	29° 1	19°23	20°57	1°19	19°30	0°43	15° 9	5°43	25° 1	26°26	0°19	16°38	S 8
S 9	11 31 27	24°48'41	22°36	29°25	20°37	21° 7	1°32	19°26	0°45	15° 9	5°43	25°R 2	26°23	0°26	16°40	S 9
M10	11 35 24	25°47'58	6♋13	29°53	21°50	21°17	1°45	19°22	0°47	15° 9	5°44	25° 1	26°20	0°33	16°42	M10
T 11	11 39 21	26°47'12	19°32	0♓25	23° 3	21°28	1°58	19°18	0°50	15°R 9	5°44	25° 0	26°17	0°39	16°44	T 11
W12	11 43 17	27°46'24	2♌34	1° 2	24°17	21°39	2°11	19°14	0°52	15° 9	5°45	24°57	26°13	0°46	16°46	W12
T 13	11 47 14	28°45'34	15°22	1°42	25°30	21°51	2°24	19°10	0°54	15° 9	5°46	24°53	26°10	0°53	16°48	T 13
F 14	11 51 10	29°44'41	27°57	2°27	26°43	22° 4	2°37	19° 6	0°56	15° 9	5°46	24°49	26° 7	0°59	16°50	F 14
S 15	11 55 7	0♈43'46	10♍19	3°15	27°56	22°17	2°50	19° 1	0°59	15° 9	5°47	24°45	26° 4	1° 6	16°52	S 15
S 16	11 59 3	1°42'49	22°31	4° 6	29° 9	22°30	3° 3	18°57	1° 1	15° 9	5°48	24°41	26° 1	1°13	16°55	S 16
M17	12 3 0	2°41'50	4♎34	5° 0	0♉22	22°44	3°16	18°53	1° 3	15° 8	5°48	24°39	25°58	1°19	16°57	M17
T 18	12 6 56	3°40'49	16°30	5°57	1°35	22°58	3°29	18°49	1° 5	15° 8	5°49	24°38	25°54	1°26	17° 0	T 18
W19	12 10 53	4°39'45	28°21	6°57	2°48	23°13	3°43	18°44	1° 7	15° 8	5°50	24°D37	25°51	1°33	17° 2	W19
T 20	12 14 50	5°38'40	10♏ 8	8° 0	4° 1	23°29	3°56	18°40	1° 9	15° 8	5°51	24°38	25°48	1°39	17° 5	T 20
F 21	12 18 46	6°37'33	21°56	9° 6	5°14	23°44	4° 9	18°36	1°11	15° 7	5°51	24°39	25°45	1°46	17° 8	F 21
S 22	12 22 43	7°36'24	3♐48	10°13	6°27	24° 1	4°23	18°31	1°13	15° 7	5°52	24°41	25°42	1°52	17°11	S 22
S 23	12 26 39	8°35'13	15°47	11°24	7°39	24°17	4°36	18°27	1°14	15° 7	5°53	24°42	25°38	1°59	17°13	S 23
M24	12 30 36	9°34'01	27°58	12°36	8°52	24°34	4°50	18°22	1°16	15° 6	5°54	24°43	25°35	2° 6	17°16	M24
T 25	12 34 32	10°32'47	10♑26	13°51	10° 5	24°52	5° 3	18°18	1°18	15° 6	5°55	24°R44	25°32	2°12	17°19	T 25
W26	12 38 29	11°31'31	23°15	15° 8	11°17	25°10	5°17	18°13	1°20	15° 5	5°55	24°43	25°29	2°19	17°22	W26
T 27	12 42 25	12°30'13	6♒28	16°27	12°30	25°28	5°31	18° 9	1°21	15° 5	5°56	24°42	25°26	2°26	17°26	T 27
F 28	12 46 22	13°28'54	20° 7	17°47	13°42	25°47	5°44	18° 4	1°23	15° 4	5°57	24°41	25°23	2°32	17°29	F 28
S 29	12 50 19	14°27'33	4♓14	19°10	14°55	26° 6	5°58	18° 0	1°25	15° 4	5°58	24°40	25°19	2°39	17°32	S 29
S 30	12 54 15	15°26'10	18°46	20°35	16° 7	26°25	6°12	17°55	1°26	15° 3	5°59	24°39	25°16	2°46	17°35	S 30
M31	12 58 12	16♈24'45	3♈38	22♓ 2	17♉19	26♋45	6♉26	17♎50	1♒28	15♐ 2	6♊ 0	24♎38	25♎13	2♏52	17♊39	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s12	8s40	4n27	10s15	1n49	3n41	0s40	25n25	3n25	10n34	0s58	5s16	2n45	20s42	0s34	21s19	1n24	12n11	9s18	9s47	10s23	11s 8	17n49	5s 3
S 2	4 49	4 14	3 38	10 34	1 34	4 12	0 38	25 22	3 23	10 39	0 58	5 15	2 46	20 41	0 34	21 19	1 24	12 12	9 18	9 45	10 22	11 9	17 50	5 3
M 3	4 25	0n32	2 34	10 52	1 19	4 43	0 35	25 19	3 21	10 43	0 58	5 13	2 46	20 41	0 34	21 19	1 24	12 12	9 17	9 44	10 20	11 11	17 50	5 3
T 4	4 2	5 19	1 19	11 7	1 4	5 14	0 33	25 16	3 19	10 48	0 57	5 12	2 46	20 40	0 34	21 19	1 24	12 12	9 17	9 43	10 19	11 12	17 51	5 3
W 5	3 38	9 47	0s 1	11 19	0 50	5 45	0 30	25 13	3 17	10 52	0 57	5 10	2 46	20 40	0 34	21 19	1 24	12 12	9 17	9 42	10 18	11 14	17 51	5 2
T 6	3 15	13 35	1 21	11 30	0 35	6 16	0 28	25 10	3 15	10 57	0 57	5 9	2 46	20 39	0 34	21 19	1 24	12 13	9 17	9 43	10 17	11 16	17 52	5 2
F 7	2 51	16 28	2 35	11 38	0 22	6 46	0 25	25 7	3 13	11 1	0 57	5 7	2 46	20 39	0 34	21 19	1 24	12 13	9 16	9 43	10 16	11 17	17 52	5 2
S 8	2 28	18 17	3 37	11 45	0 8	7 17	0 22	25 3	3 12	11 6	0 57	5 6	2 46	20 38	0 34	21 19	1 24	12 13	9 16	9 44	10 15	11 19	17 52	5 1
S 9	2 4	18 56	4 25	11 48	0s 5	7 47	0 20	25 0	3 10	11 11	0 57	5 4	2 47	20 38	0 34	21 19	1 25	12 14	9 16	9 44	10 14	11 20	17 53	5 1
M10	1 41	18 27	4 57	11 50	0 18	8 17	0 17	24 56	3 8	11 15	0 56	5 2	2 47	20 37	0 34	21 19	1 25	12 14	9 16	9 44	10 12	11 22	17 53	5 1
T 11	1 17	16 58	5 12	11 50	0 30	8 47	0 14	24 53	3 6	11 20	0 56	5 1	2 47	20 37	0 34	21 19	1 25	12 14	9 15	9 43	10 11	11 23	17 54	5 0
W12	0 53	14 37	5 11	11 48	0 41	9 17	0 12	24 49	3 4	11 24	0 56	4 59	2 47	20 36	0 34	21 19	1 25	12 15	9 15	9 42	10 10	11 25	17 54	5 0
T 13	0 30	11 37	4 54	11 44	0 52	9 46	0 9	24 45	3 2	11 29	0 56	4 58	2 47	20 36	0 34	21 19	1 25	12 15	9 15	9 41	10 9	11 26	17 55	5 0
F 14	0 6	8 7	4 23	11 37	1 3	10 15	0 6	24 41	3 0	11 34	0 56	4 56	2 47	20 35	0 34	21 19	1 25	12 15	9 15	9 39	10 8	11 28	17 56	4 59
S 15	0n17	4 20	3 40	11 29	1 13	10 44	0 3	24 37	2 58	11 38	0 56	4 54	2 47	20 35	0 34	21 19	1 25	12 16	9 14	9 38	10 7	11 29	17 56	4 59
S 16	0 41	0 25	2 48	11 19	1 22	11 13	0 0	24 33	2 56	11 43	0 55	4 52	2 47	20 35	0 34	21 19	1 25	12 16	9 14	9 36	10 5	11 31	17 57	4 59
M17	1 5	3s29	1 48	11 8	1 31	11 42	0n 3	24 29	2 54	11 48	0 55	4 51	2 48	20 34	0 34	21 19	1 25	12 16	9 14	9 35	10 4	11 32	17 57	4 59
T 18	1 28	7 12	0 45	10 54	1 39	12 10	0 6	24 25	2 53	11 52	0 55	4 49	2 48	20 34	0 34	21 18	1 25	12 17	9 14	9 35	10 3	11 34	17 58	4 58
W19	1 52	10 37	0n21	10 39	1 47	12 38	0 8	24 21	2 51	11 57	0 55	4 47	2 48	20 33	0 34	21 18	1 25	12 17	9 14	9 35	10 2	11 35	17 58	4 58
T 20	2 15	13 35	1 25	10 22	1 54	13 6	0 11	24 16	2 49	12 2	0 55	4 46	2 48	20 33	0 34	21 18	1 25	12 17	9 13	9 35	10 1	11 36	17 59	4 58
F 21	2 39	15 59	2 26	10 3	2 0	13 33	0 14	24 12	2 47	12 6	0 55	4 44	2 48	20 32	0 34	21 18	1 25	12 18	9 13	9 36	10 0	11 38	17 59	4 57
S 22	3 2	17 43	3 20	9 43	2 6	14 0	0 17	24 7	2 46	12 11	0 55	4 42	2 48	20 32	0 34	21 18	1 25	12 18	9 13	9 36	9 58	11 39	18 0	4 57
S 23	3 25	18 41	4 7	9 21	2 12	14 27	0 20	24 2	2 44	12 15	0 55	4 40	2 48	20 32	0 34	21 18	1 25	12 18	9 13	9 37	9 57	11 41	18 0	4 57
M24	3 48	18 48	4 43	8 58	2 17	14 53	0 23	23 58	2 42	12 20	0 54	4 39	2 48	20 31	0 34	21 18	1 25	12 19	9 13	9 37	9 56	11 42	18 1	4 56
T 25	4 12	18 1	5 7	8 33	2 21	15 19	0 26	23 53	2 40	12 25	0 54	4 37	2 48	20 31	0 34	21 18	1 25	12 19	9 12	9 37	9 55	11 44	18 1	4 56
W26	4 35	16 19	5 17	8 7	2 25	15 45	0 29	23 48	2 39	12 29	0 54	4 35	2 48	20 31	0 34	21 18	1 25	12 19	9 12	9 37	9 54	11 45	18 2	4 56
T 27	4 58	13 44	5 11	7 39	2 28	16 10	0 32	23 43	2 37	12 34	0 54	4 33	2 48	20 30	0 34	21 18	1 25	12 20	9 12	9 37	9 53	11 47	18 3	4 56
F 28	5 21	10 18	4 47	7 10	2 31	16 35	0 35	23 38	2 35	12 39	0 54	4 32	2 48	20 30	0 34	21 18	1 25	12 20	9 12	9 36	9 51	11 48	18 3	4 55
S 29	5 43	6 12	4 5	6 39	2 33	16 59	0 38	23 32	2 34	12 43	0 54	4 30	2 48	20 30	0 34	21 18	1 25	12 21	9 11	9 36	9 50	11 50	18 4	4 55
S 30	6 6	1 36	3 6	6 7	2 35	17 23	0 41	23 27	2 32	12 48	0 54	4 28	2 48	20 29	0 34	21 17	1 25	12 21	9 11	9 35	9 49	11 51	18 4	4 55
M31	6n29	3n12	1n54	5s34	2s36	17n47	0n44	23n21	2n30	12n53	0s54	4s26	2n48	20s29	0s34	21s17	1n25	12n21	9s11	9s35	9s48	11s53	18n 5	4s55

Julian Day Number = 2144076.5, Delta T = 14m57s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'11, Lahiri = 12°07'11 Julian Calendar 1 March 1158 == Greg. Calendar 8 March 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

APRIL 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 8	17♈23'18	18♈43	23♓30	18♉31	27♋ 5	6♉39	17°R46	1♒29	15°R 2	6♊ 1	24°D38	25♎10	2♏59	17♊42	T 1
W 2	13 6 5	18°21'50	3♉52	25° 0	19°44	27°26	6°53	17♎41	1°30	15♐ 1	6° 2	24♎38	25° 7	3° 6	17°46	W 2
T 3	13 10 1	19°20'19	18°56	26°32	20°56	27°47	7° 7	17°37	1°32	15° 0	6° 3	24°38	25° 4	3°12	17°49	T 3
F 4	13 13 58	20°18'47	3♊46	28° 6	22° 8	28° 8	7°21	17°32	1°33	15° 0	6° 4	24°38	25° 0	3°19	17°53	F 4
S 5	13 17 54	21°17'12	18°17	29°42	23°20	28°29	7°35	17°28	1°34	14°59	6° 5	24°39	24°57	3°25	17°57	S 5
S 6	13 21 51	22°15'35	2♋25	1♈19	24°32	28°51	7°49	17°23	1°36	14°58	6° 6	24°39	24°54	3°32	18° 0	S 6
M 7	13 25 47	23°13'56	16° 8	2°58	25°43	29°14	8° 3	17°18	1°37	14°57	6° 7	24°39	24°51	3°39	18° 4	M 7
T 8	13 29 44	24°12'15	29°26	4°39	26°55	29°36	8°17	17°14	1°38	14°56	6° 8	24°39	24°48	3°45	18° 8	T 8
W 9	13 33 41	25°10'32	12♌23	6°21	28° 7	29°59	8°31	17° 9	1°39	14°56	6° 9	24°39	24°44	3°52	18°12	W 9
T 10	13 37 37	26° 8'46	25° 1	8° 6	29°18	0♌22	8°45	17° 5	1°40	14°55	6°10	24°39	24°41	3°59	18°16	T 10
F 11	13 41 34	27° 6'59	7♍23	9°52	0♊30	0°45	8°59	17° 0	1°41	14°54	6°11	24°39	24°38	4° 5	18°20	F 11
S 12	13 45 30	28° 5'09	19°33	11°40	1°41	1° 9	9°13	16°56	1°42	14°53	6°13	24°40	24°35	4°12	18°24	S 12
S 13	13 49 27	29° 3'18	1♎33	13°29	2°53	1°33	9°27	16°52	1°43	14°52	6°14	24°40	24°32	4°19	18°28	S 13
M14	13 53 23	0♉ 1'25	13°27	15°21	4° 4	1°57	9°41	16°47	1°43	14°51	6°15	24°40	24°29	4°25	18°32	M14
T 15	13 57 20	0°59'30	25°16	17°14	5°15	2°22	9°55	16°43	1°44	14°50	6°16	24°R41	24°25	4°32	18°37	T 15
W16	14 1 16	1°57'33	7♏ 4	19° 9	6°27	2°46	10° 9	16°38	1°45	14°49	6°17	24°40	24°22	4°39	18°41	W16
T 17	14 5 13	2°55'34	18°53	21° 6	7°38	3°11	10°23	16°34	1°46	14°48	6°18	24°40	24°19	4°45	18°45	T 17
F 18	14 9 10	3°53'34	0♐44	23° 5	8°49	3°37	10°37	16°30	1°46	14°46	6°20	24°39	24°16	4°52	18°50	F 18
S 19	14 13 6	4°51'33	12°41	25° 5	10° 0	4° 2	10°51	16°26	1°47	14°45	6°21	24°37	24°13	4°59	18°54	S 19
S 20	14 17 3	5°49'30	24°45	27° 7	11°11	4°28	11° 6	16°21	1°47	14°44	6°22	24°36	24°10	5° 5	18°59	S 20
M21	14 20 59	6°47'26	7♑ 1	29°10	12°21	4°54	11°20	16°17	1°48	14°43	6°23	24°34	24° 6	5°12	19° 3	M21
T 22	14 24 56	7°45'20	19°30	1♉15	13°32	5°20	11°34	16°13	1°48	14°42	6°25	24°33	24° 3	5°18	19° 8	T 22
W23	14 28 52	8°43'13	2♒17	3°22	14°43	5°46	11°48	16° 9	1°49	14°41	6°26	24°33	24° 0	5°25	19°12	W23
T 24	14 32 49	9°41'05	15°25	5°29	15°53	6°13	12° 2	16° 5	1°49	14°39	6°27	24°D33	23°57	5°32	19°17	T 24
F 25	14 36 45	10°38'55	28°56	7°38	17° 4	6°40	12°16	16° 1	1°49	14°38	6°28	24°33	23°54	5°38	19°22	F 25
S 26	14 40 42	11°36'45	12♓53	9°48	18°14	7° 7	12°31	15°57	1°49	14°37	6°30	24°34	23°50	5°45	19°27	S 26
S 27	14 44 39	12°34'33	27°13	11°58	19°24	7°34	12°45	15°53	1°50	14°36	6°31	24°35	23°47	5°52	19°31	S 27
M28	14 48 35	13°32'20	11♈57	14° 9	20°35	8° 1	12°59	15°50	1°50	14°34	6°32	24°36	23°44	5°58	19°36	M28
T 29	14 52 32	14°30'05	26°57	16°21	21°45	8°29	13°13	15°46	1°50	14°33	6°33	24°R37	23°41	6° 5	19°41	T 29
W30	14 56 28	15♉27'50	12♉ 7	18♉32	22♊55	8♌57	13♉27	15♎42	1°R50	14♐32	6♊35	24♎36	23♎38	6♏12	19♊46	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n51	7n52	0n33	4s59	2s36	18n10	0n47	23n16	2n29	12n57	0s53	4s25	2n48	20s29	0s34	21s17	1n25	12n22	9s11	9s35	9s47	11s54	18n 5	4s54
W 2	7 14	12 4	0s51	4 23	2 36	18 33	0 50	23 10	2 27	13 2	0 53	4 23	2 48	20 28	0 35	21 17	1 25	12 22	9 11	9 35	9 46	11 56	18 6	4 54
T 3	7 36	15 26	2 11	3 46	2 36	18 55	0 53	23 5	2 26	13 7	0 53	4 21	2 48	20 28	0 35	21 17	1 25	12 22	9 11	9 35	9 44	11 57	18 6	4 54
F 4	7 58	17 42	3 21	3 7	2 35	19 17	0 56	22 59	2 24	13 11	0 53	4 19	2 48	20 28	0 35	21 17	1 25	12 23	9 10	9 35	9 43	11 58	18 7	4 54
S 5	8 20	18 46	4 16	2 28	2 33	19 38	0 58	22 53	2 22	13 16	0 53	4 18	2 48	20 28	0 35	21 17	1 26	12 23	9 10	9 35	9 42	12 0	18 8	4 53
S 6	8 42	18 37	4 55	1 47	2 31	19 59	1 1	22 47	2 21	13 21	0 53	4 16	2 48	20 27	0 35	21 17	1 26	12 23	9 10	9 35	9 41	12 1	18 8	4 53
M 7	9 4	17 22	5 15	1 5	2 28	20 19	1 4	22 40	2 19	13 25	0 53	4 14	2 48	20 27	0 35	21 17	1 26	12 24	9 10	9 35	9 40	12 3	18 9	4 53
T 8	9 26	15 11	5 17	0 22	2 25	20 39	1 7	22 34	2 18	13 30	0 53	4 13	2 48	20 27	0 35	21 16	1 26	12 24	9 10	9 35	9 39	12 4	18 9	4 53
W 9	9 47	12 19	5 3	0n22	2 22	20 58	1 10	22 28	2 16	13 34	0 53	4 11	2 48	20 27	0 35	21 16	1 26	12 24	9 9	9 35	9 37	12 6	18 10	4 52
T 10	10 8	8 56	4 35	1 7	2 17	21 16	1 13	22 21	2 15	13 39	0 52	4 9	2 48	20 27	0 35	21 16	1 26	12 25	9 9	9 36	9 36	12 7	18 10	4 52
F 11	10 29	5 13	3 54	1 54	2 13	21 34	1 15	22 15	2 13	13 44	0 52	4 7	2 48	20 26	0 35	21 16	1 26	12 25	9 9	9 36	9 35	12 8	18 11	4 52
S 12	10 50	1 21	3 3	2 41	2 7	21 52	1 18	22 8	2 12	13 48	0 52	4 6	2 48	20 26	0 35	21 16	1 26	12 25	9 9	9 36	9 34	12 10	18 11	4 52
S 13	11 11	2s32	2 5	3 29	2 2	22 9	1 21	22 1	2 10	13 53	0 52	4 4	2 48	20 26	0 35	21 16	1 26	12 26	9 9	9 36	9 33	12 11	18 12	4 52
M14	11 32	6 17	1 2	4 18	1 55	22 25	1 23	21 55	2 9	13 57	0 52	4 3	2 48	20 26	0 35	21 16	1 26	12 26	9 9	9 36	9 32	12 13	18 13	4 51
T 15	11 52	9 46	0n 3	5 8	1 48	22 41	1 26	21 48	2 8	14 2	0 52	4 1	2 48	20 26	0 35	21 15	1 26	12 26	9 8	9 36	9 30	12 14	18 13	4 51
W16	12 12	12 51	1 8	5 58	1 41	22 56	1 28	21 40	2 6	14 6	0 52	3 59	2 48	20 26	0 35	21 15	1 26	12 27	9 8	9 36	9 29	12 16	18 14	4 51
T 17	12 32	15 25	2 10	6 50	1 33	23 11	1 31	21 33	2 5	14 11	0 52	3 58	2 48	20 26	0 35	21 15	1 26	12 27	9 8	9 36	9 28	12 17	18 14	4 51
F 18	12 52	17 21	3 7	7 41	1 25	23 24	1 33	21 26	2 3	14 15	0 52	3 56	2 47	20 25	0 35	21 15	1 26	12 27	9 8	9 35	9 27	12 18	18 15	4 51
S 19	13 12	18 31	3 56	8 34	1 17	23 38	1 36	21 19	2 2	14 20	0 52	3 55	2 47	20 25	0 35	21 15	1 26	12 28	9 8	9 35	9 26	12 20	18 15	4 50
S 20	13 31	18 52	4 35	9 26	1 8	23 50	1 38	21 11	2 1	14 24	0 52	3 53	2 47	20 25	0 35	21 15	1 26	12 28	9 8	9 34	9 25	12 21	18 16	4 50
M21	13 51	18 20	5 2	10 19	0 58	24 2	1 41	21 3	1 59	14 29	0 51	3 52	2 47	20 25	0 35	21 15	1 26	12 28	9 8	9 34	9 23	12 23	18 16	4 50
T 22	14 10	16 55	5 16	11 12	0 49	24 14	1 43	20 56	1 58	14 33	0 51	3 50	2 47	20 25	0 35	21 14	1 26	12 29	9 7	9 33	9 22	12 24	18 17	4 50
W23	14 28	14 38	5 14	12 5	0 39	24 24	1 45	20 48	1 57	14 38	0 51	3 49	2 47	20 25	0 35	21 14	1 26	12 29	9 7	9 33	9 21	12 25	18 17	4 50
T 24	14 47	11 34	4 56	12 58	0 29	24 34	1 47	20 40	1 55	14 42	0 51	3 47	2 47	20 25	0 35	21 14	1 26	12 29	9 7	9 33	9 20	12 27	18 18	4 50
F 25	15 5	7 48	4 22	13 50	0 18	24 44	1 49	20 32	1 54	14 47	0 51	3 46	2 47	20 25	0 35	21 14	1 26	12 30	9 7	9 33	9 19	12 28	18 18	4 49
S 26	15 23	3 30	3 31	14 42	0 8	24 52	1 51	20 24	1 53	14 51	0 51	3 45	2 47	20 25	0 35	21 14	1 26	12 30	9 7	9 34	9 18	12 30	18 19	4 49
S 27	15 41	1n 7	2 26	15 32	0n 3	25 0	1 53	20 15	1 52	14 55	0 51	3 43	2 46	20 25	0 35	21 14	1 26	12 30	9 7	9 34	9 16	12 31	18 20	4 49
M28	15 58	5 49	1 10	16 22	0 13	25 8	1 55	20 7	1 50	15 0	0 51	3 42	2 46	20 25	0 35	21 13	1 26	12 31	9 7	9 35	9 15	12 32	18 20	4 49
T 29	16 16	10 14	0s13	17 11	0 24	25 14	1 57	19 59	1 49	15 4	0 51	3 41	2 46	20 25	0 35	21 13	1 26	12 31	9 7	9 35	9 14	12 34	18 21	4 49
W30	16n33	14n 2	1s35	17n58	0n34	25n20	1n59	19n50	1n48	15n 8	0s51	3s39	2n46	20s25	0s36	21s13	1n26	12n31	9s 6	9s34	9s13	12s35	18n21	4s49

Julian Day Number = 2144107.5, Delta T = 14m57s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'15, Lahiri = 12°07'15 Julian Calendar 1 Apr. 1158 == Greg. Calendar 8 Apr. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

MAY 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 0 25	16♉25'33	27♉18	20♉43	24♊ 5	9♌25	13♉41	15°R39	1°R50	14°R30	6♊36	24°R34	23♎35	6♏18	19♊51	T 1
F 2	15 4 21	17°23'14	12♊19	22°53	25°14	9°53	13°56	15♎35	1♒50	14♐29	6°37	24♎32	23°31	6°25	19°56	F 2
S 3	15 8 18	18°20'55	27° 2	25° 3	26°24	10°22	14°10	15°32	1°50	14°27	6°39	24°29	23°28	6°32	20° 1	S 3
S 4	15 12 14	19°18'33	11♋22	27°11	27°34	10°50	14°24	15°28	1°49	14°26	6°40	24°25	23°25	6°38	20° 6	S 4
M 5	15 16 11	20°16'11	25°14	29°18	28°43	11°19	14°38	15°25	1°49	14°25	6°41	24°23	23°22	6°45	20°11	M 5
T 6	15 20 8	21°13'46	8♌39	1♊24	29°53	11°48	14°52	15°22	1°49	14°23	6°43	24°21	23°19	6°52	20°16	T 6
W 7	15 24 4	22°11'20	21°38	3°27	1♋ 2	12°17	15° 6	15°18	1°49	14°22	6°44	24°D20	23°16	6°58	20°21	W 7
T 8	15 28 1	23° 8'53	4♍13	5°29	2°11	12°47	15°20	15°15	1°48	14°20	6°45	24°21	23°12	7° 5	20°27	T 8
F 9	15 31 57	24° 6'24	16°31	7°28	3°21	13°16	15°34	15°12	1°48	14°19	6°47	24°22	23° 9	7°12	20°32	F 9
S 10	15 35 54	25° 3'54	28°34	9°26	4°29	13°46	15°48	15° 9	1°47	14°17	6°48	24°24	23° 6	7°18	20°37	S 10
S 11	15 39 50	26° 1'23	10♎28	11°20	5°38	14°16	16° 2	15° 6	1°47	14°16	6°50	24°25	23° 3	7°25	20°42	S 11
M12	15 43 47	26°58'50	22°17	13°13	6°47	14°46	16°16	15° 3	1°46	14°14	6°51	24°R26	23° 0	7°31	20°48	M12
T 13	15 47 43	27°56'16	4♏ 4	15° 2	7°56	15°16	16°30	15° 1	1°46	14°13	6°52	24°26	22°56	7°38	20°53	T 13
W14	15 51 40	28°53'41	15°53	16°49	9° 4	15°46	16°44	14°58	1°45	14°11	6°54	24°24	22°53	7°45	20°58	W14
T 15	15 55 37	29°51'05	27°45	18°34	10°13	16°17	16°58	14°56	1°44	14°10	6°55	24°20	22°50	7°51	21° 4	T 15
F 16	15 59 33	0♊48'28	9♐43	20°15	11°21	16°47	17°12	14°53	1°44	14° 8	6°56	24°15	22°47	7°58	21° 9	F 16
S 17	16 3 30	1°45'50	21°49	21°54	12°29	17°18	17°26	14°51	1°43	14° 6	6°58	24° 9	22°44	8° 5	21°15	S 17
S 18	16 7 26	2°43'12	4♑ 5	23°30	13°37	17°49	17°40	14°48	1°42	14° 5	6°59	24° 2	22°41	8°11	21°20	S 18
M19	16 11 23	3°40'32	16°31	25° 4	14°45	18°20	17°54	14°46	1°41	14° 3	7° 1	23°55	22°37	8°18	21°26	M19
T 20	16 15 19	4°37'52	29° 9	26°34	15°53	18°51	18° 8	14°44	1°40	14° 2	7° 2	23°50	22°34	8°25	21°31	T 20
W21	16 19 16	5°35'12	12♒ 2	28° 2	17° 0	19°22	18°22	14°42	1°39	14° 0	7° 3	23°46	22°31	8°31	21°37	W21
T 22	16 23 12	6°32'30	25°10	29°27	18° 8	19°54	18°35	14°40	1°38	13°59	7° 5	23°43	22°28	8°38	21°42	T 22
F 23	16 27 9	7°29'49	8♓37	0♋48	19°15	20°25	18°49	14°38	1°37	13°57	7° 6	23°D43	22°25	8°45	21°48	F 23
S 24	16 31 6	8°27'07	22°24	2° 7	20°22	20°57	19° 3	14°36	1°36	13°55	7° 8	23°43	22°21	8°51	21°53	S 24
S 25	16 35 2	9°24'24	6♈32	3°23	21°29	21°29	19°16	14°34	1°35	13°54	7° 9	23°44	22°18	8°58	21°59	S 25
M26	16 38 59	10°21'41	20°59	4°36	22°36	22° 1	19°30	14°33	1°34	13°52	7°10	23°R45	22°15	9° 5	22° 4	M26
T 27	16 42 55	11°18'58	5♉43	5°46	23°43	22°33	19°44	14°31	1°33	13°50	7°12	23°45	22°12	9°11	22°10	T 27
W28	16 46 52	12°16'15	20°40	6°52	24°49	23° 5	19°57	14°30	1°31	13°49	7°13	23°42	22° 9	9°18	22°16	W28
T 29	16 50 48	13°13'31	5♊41	7°56	25°56	23°38	20°11	14°29	1°30	13°47	7°15	23°38	22° 6	9°25	22°21	T 29
F 30	16 54 45	14°10'46	20°38	8°56	27° 2	24°10	20°24	14°27	1°29	13°46	7°16	23°31	22° 2	9°31	22°27	F 30
S 31	16 58 41	15♊ 8'02	5♋21	9♋52	28♋ 8	24♌43	20♉38	14♎26	1♒27	13♐44	7♊17	23♎23	21♎59	9♏38	22♊33	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n49	16n52	2s51	18n43	0n44	25n25	2n 1	19n41	1n46	15n13	0s51	3s38	2n46	20s25	0s36	21s13	1n26	12n32	9s 6	9s34	9s12	12s37	18n22	4s49
F 2	17 6	18 31	3 54	19 27	0 54	25 30	2 2	19 32	1 45	15 17	0 51	3 37	2 46	20 25	0 36	21 13	1 26	12 32	9 6	9 33	9 10	12 38	18 22	4 49
S 3	17 22	18 51	4 40	20 8	1 4	25 34	2 4	19 23	1 44	15 21	0 51	3 36	2 46	20 25	0 36	21 13	1 26	12 32	9 6	9 32	9 9	12 39	18 22	4 48
S 4	17 38	17 58	5 7	20 48	1 13	25 37	2 5	19 14	1 43	15 26	0 51	3 35	2 45	20 25	0 36	21 12	1 26	12 33	9 6	9 30	9 8	12 41	18 23	4 48
M 5	17 54	16 1	5 15	21 25	1 21	25 39	2 7	19 5	1 42	15 30	0 50	3 33	2 45	20 25	0 36	21 12	1 26	12 33	9 6	9 29	9 7	12 42	18 23	4 48
T 6	18 9	13 16	5 5	21 59	1 29	25 41	2 8	18 56	1 40	15 34	0 50	3 32	2 45	20 25	0 36	21 12	1 26	12 33	9 6	9 29	9 6	12 43	18 24	4 48
W 7	18 24	9 56	4 40	22 31	1 36	25 42	2 9	18 47	1 39	15 38	0 50	3 31	2 45	20 26	0 36	21 12	1 26	12 34	9 6	9 29	9 5	12 45	18 24	4 48
T 8	18 39	6 15	4 2	23 0	1 43	25 42	2 11	18 37	1 38	15 42	0 50	3 30	2 45	20 26	0 36	21 12	1 26	12 34	9 6	9 29	9 3	12 46	18 25	4 48
F 9	18 53	2 23	3 13	23 27	1 49	25 42	2 12	18 27	1 37	15 46	0 50	3 29	2 44	20 26	0 36	21 11	1 26	12 34	9 6	9 29	9 2	12 47	18 25	4 48
S 10	19 7	1s32	2 17	23 51	1 55	25 41	2 13	18 18	1 36	15 51	0 50	3 28	2 44	20 26	0 36	21 11	1 26	12 35	9 5	9 30	9 1	12 49	18 26	4 48
S 11	19 21	5 20	1 16	24 12	1 59	25 39	2 14	18 8	1 35	15 55	0 50	3 27	2 44	20 26	0 36	21 11	1 26	12 35	9 5	9 30	9 0	12 50	18 26	4 48
M12	19 34	8 54	0 12	24 31	2 3	25 36	2 14	17 58	1 33	15 59	0 50	3 26	2 44	20 26	0 36	21 11	1 26	12 35	9 5	9 31	8 59	12 52	18 27	4 48
T 13	19 47	12 6	0n53	24 48	2 6	25 33	2 15	17 48	1 32	16 3	0 50	3 25	2 44	20 26	0 36	21 11	1 26	12 35	9 5	9 31	8 57	12 53	18 27	4 48
W14	20 0	14 50	1 55	25 1	2 9	25 29	2 16	17 38	1 31	16 7	0 50	3 25	2 43	20 27	0 36	21 11	1 26	12 36	9 5	9 30	8 56	12 54	18 27	4 47
T 15	20 13	16 57	2 52	25 13	2 10	25 25	2 16	17 28	1 30	16 11	0 50	3 24	2 43	20 27	0 36	21 10	1 26	12 36	9 5	9 28	8 55	12 56	18 28	4 47
F 16	20 25	18 21	3 42	25 22	2 11	25 20	2 17	17 17	1 29	16 15	0 50	3 23	2 43	20 27	0 36	21 10	1 26	12 36	9 5	9 27	8 54	12 57	18 28	4 47
S 17	20 36	18 55	4 23	25 29	2 11	25 14	2 17	17 7	1 28	16 19	0 50	3 22	2 43	20 27	0 36	21 10	1 26	12 37	9 5	9 24	8 53	12 58	18 29	4 47
S 18	20 48	18 37	4 52	25 33	2 10	25 7	2 17	16 56	1 27	16 23	0 50	3 22	2 43	20 27	0 36	21 10	1 26	12 37	9 5	9 22	8 52	13 0	18 29	4 47
M19	20 59	17 26	5 8	25 36	2 9	25 0	2 17	16 46	1 26	16 27	0 50	3 21	2 42	20 28	0 36	21 10	1 26	12 37	9 5	9 19	8 50	13 1	18 29	4 47
T 20	21 10	15 23	5 9	25 37	2 7	24 52	2 17	16 35	1 25	16 31	0 50	3 20	2 42	20 28	0 36	21 9	1 26	12 37	9 5	9 17	8 49	13 2	18 30	4 47
W21	21 20	12 33	4 55	25 35	2 4	24 44	2 17	16 24	1 24	16 34	0 50	3 20	2 42	20 28	0 36	21 9	1 26	12 38	9 5	9 16	8 48	13 4	18 30	4 47
T 22	21 30	9 2	4 25	25 32	2 0	24 35	2 17	16 13	1 22	16 38	0 50	3 19	2 42	20 28	0 36	21 9	1 26	12 38	9 5	9 15	8 47	13 5	18 30	4 47
F 23	21 39	4 58	3 40	25 28	1 55	24 25	2 17	16 2	1 21	16 42	0 50	3 19	2 41	20 29	0 36	21 9	1 26	12 38	9 5	9 15	8 46	13 6	18 31	4 47
S 24	21 49	0 33	2 42	25 22	1 50	24 15	2 16	15 51	1 20	16 46	0 50	3 18	2 41	20 29	0 36	21 9	1 26	12 38	9 5	9 15	8 44	13 8	18 31	4 47
S 25	21 58	4n 1	1 32	25 14	1 44	24 4	2 16	15 39	1 19	16 50	0 50	3 18	2 41	20 29	0 36	21 8	1 26	12 39	9 5	9 15	8 43	13 9	18 31	4 47
M26	22 6	8 27	0 15	25 5	1 37	23 52	2 15	15 28	1 18	16 53	0 50	3 17	2 41	20 30	0 36	21 8	1 26	12 39	9 5	9 16	8 42	13 10	18 32	4 47
T 27	22 14	12 29	1s 4	24 55	1 30	23 40	2 15	15 16	1 17	16 57	0 50	3 17	2 41	20 30	0 36	21 8	1 26	12 39	9 5	9 15	8 41	13 12	18 32	4 47
W28	22 22	15 45	2 20	24 44	1 22	23 27	2 14	15 5	1 16	17 1	0 50	3 17	2 40	20 30	0 36	21 8	1 26	12 39	9 4	9 15	8 40	13 13	18 32	4 47
T 29	22 29	17 58	3 27	24 32	1 13	23 14	2 13	14 53	1 15	17 4	0 50	3 16	2 40	20 30	0 36	21 8	1 26	12 40	9 4	9 13	8 38	13 14	18 33	4 47
F 30	22 36	18 55	4 18	24 18	1 4	23 0	2 12	14 41	1 14	17 8	0 49	3 16	2 40	20 31	0 37	21 8	1 26	12 40	9 4	9 10	8 37	13 15	18 33	4 47
S 31	22n43	18n34	4s52	24n 4	0n54	22n45	2n10	14n29	1n13	17n12	0s49	3s16	2n40	20s31	0s37	21s 7	1n26	12n40	9s 4	9s 8	8s36	13s17	18n33	4s47

Julian Day Number = 2144137.5, Delta T = 14m57s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'19, Lahiri = 12°07'20 Julian Calendar 1 May 1158 == Greg. Calendar 8 May 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

JUNE 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 2 38	16♊ 5'16	19♋44	10♋46	29♋14	25♌15	20♉51	14°R25	1°R26	13°R42	7♊19	23°R15	21♎56	9♏44	22♊38	S 1
M 2	17 6 35	17° 2'30	3♌41	11°35	0♌19	25°48	21° 5	14♎24	1♒24	13♐41	7°20	23♎ 8	21°53	9°51	22°44	M 2
T 3	17 10 31	17°59'43	17°10	12°21	1°25	26°21	21°18	14°23	1°23	13°39	7°22	23° 2	21°50	9°58	22°50	T 3
W 4	17 14 28	18°56'56	0♍13	13° 3	2°30	26°54	21°31	14°23	1°21	13°37	7°23	22°59	21°47	10° 4	22°55	W 4
T 5	17 18 24	19°54'08	12°50	13°41	3°35	27°28	21°45	14°22	1°20	13°36	7°24	22°57	21°43	10°11	23° 1	T 5
F 6	17 22 21	20°51'19	25° 8	14°15	4°40	28° 1	21°58	14°21	1°18	13°34	7°26	22°D57	21°40	10°18	23° 7	F 6
S 7	17 26 17	21°48'30	7♎10	14°45	5°45	28°34	22°11	14°21	1°16	13°33	7°27	22°57	21°37	10°24	23°12	S 7
S 8	17 30 14	22°45'40	19° 3	15°11	6°49	29° 8	22°24	14°21	1°15	13°31	7°28	22°R58	21°34	10°31	23°18	S 8
M 9	17 34 10	23°42'50	0♏51	15°32	7°53	29°42	22°37	14°20	1°13	13°29	7°30	22°58	21°31	10°38	23°24	M 9
T 10	17 38 7	24°40'00	12°39	15°49	8°57	0♍15	22°50	14°20	1°11	13°28	7°31	22°56	21°27	10°44	23°30	T 10
W11	17 42 4	25°37'09	24°30	16° 2	10° 1	0°49	23° 3	14°D20	1°10	13°26	7°32	22°52	21°24	10°51	23°35	W11
T 12	17 46 0	26°34'18	6♐29	16° 9	11° 5	1°23	23°16	14°20	1° 8	13°25	7°34	22°45	21°21	10°58	23°41	T 12
F 13	17 49 57	27°31'27	18°37	16°R12	12° 8	1°57	23°29	14°20	1° 6	13°23	7°35	22°36	21°18	11° 4	23°47	F 13
S 14	17 53 53	28°28'36	0♑56	16°11	13°11	2°31	23°42	14°20	1° 4	13°22	7°36	22°25	21°15	11°11	23°52	S 14
S 15	17 57 50	29°25'45	13°26	16° 5	14°14	3° 6	23°54	14°21	1° 2	13°20	7°38	22°13	21°12	11°18	23°58	S 15
M16	18 1 46	0♋22'54	26° 9	15°54	15°16	3°40	24° 7	14°21	1° 0	13°19	7°39	22° 2	21° 8	11°24	24° 4	M16
T 17	18 5 43	1°20'03	9♒ 3	15°39	16°18	4°14	24°20	14°22	0°58	13°17	7°40	21°52	21° 5	11°31	24° 9	T 17
W18	18 9 39	2°17'12	22°10	15°19	17°20	4°49	24°32	14°22	0°56	13°16	7°42	21°44	21° 2	11°38	24°15	W18
T 19	18 13 36	3°14'22	5♓29	14°56	18°22	5°24	24°45	14°23	0°54	13°14	7°43	21°39	20°59	11°44	24°21	T 19
F 20	18 17 33	4°11'32	19° 0	14°29	19°23	5°58	24°57	14°24	0°52	13°13	7°44	21°36	20°56	11°51	24°26	F 20
S 21	18 21 29	5° 8'43	2♈45	13°58	20°24	6°33	25° 9	14°25	0°50	13°11	7°45	21°D36	20°53	11°58	24°32	S 21
S 22	18 25 26	6° 5'54	16°44	13°25	21°25	7° 8	25°22	14°26	0°48	13°10	7°47	21°R36	20°49	12° 4	24°38	S 22
M23	18 29 22	7° 3'05	0♉57	12°49	22°25	7°43	25°34	14°27	0°46	13° 8	7°48	21°35	20°46	12°11	24°43	M23
T 24	18 33 19	8° 0'17	15°23	12°11	23°25	8°19	25°46	14°28	0°44	13° 7	7°49	21°34	20°43	12°18	24°49	T 24
W25	18 37 15	8°57'30	29°58	11°32	24°25	8°54	25°58	14°29	0°42	13° 5	7°50	21°30	20°40	12°24	24°55	W25
T 26	18 41 12	9°54'44	14♊39	10°52	25°24	9°29	26°10	14°31	0°39	13° 4	7°52	21°23	20°37	12°31	25° 0	T 26
F 27	18 45 8	10°51'58	29°17	10°13	26°23	10° 5	26°22	14°32	0°37	13° 2	7°53	21°14	20°33	12°37	25° 6	F 27
S 28	18 49 5	11°49'12	13♋47	9°34	27°22	10°40	26°34	14°34	0°35	13° 1	7°54	21° 3	20°30	12°44	25°12	S 28
S 29	18 53 2	12°46'27	28° 0	8°57	28°20	11°16	26°46	14°36	0°33	13° 0	7°55	20°51	20°27	12°51	25°17	S 29
M30	18 56 58	13♋43'43	11♌51	8♋22	29♌18	11♍52	26♉57	14♎37	0♒31	12♐58	7♊56	20♎41	20♎24	12♏57	25♊23	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n49	17n 2	5s 6	23n49	0n43	22n30	2n 9	14n17	1n12	17n15	0s49	3s16	2n39	20s31	0s37	21s 7	1n26	12n40	9s 4	9s 5	8s35	13s18	18n34	4s47
M 2	22 55	14 31	5 2	23 34	0 32	22 15	2 8	14 5	1 11	17 19	0 49	3 16	2 39	20 32	0 37	21 7	1 26	12 41	9 4	9 2	8 34	13 19	18 34	4 47
T 3	23 0	11 18	4 40	23 18	0 20	21 59	2 6	13 53	1 10	17 22	0 49	3 16	2 39	20 32	0 37	21 7	1 26	12 41	9 4	9 0	8 33	13 21	18 34	4 47
W 4	23 5	7 38	4 5	23 2	0 7	21 42	2 4	13 41	1 9	17 26	0 49	3 15	2 39	20 33	0 37	21 7	1 26	12 41	9 4	8 58	8 31	13 22	18 34	4 47
T 5	23 10	3 43	3 18	22 45	0s 6	21 25	2 3	13 28	1 8	17 29	0 49	3 15	2 38	20 33	0 37	21 6	1 26	12 41	9 4	8 58	8 30	13 23	18 35	4 47
F 6	23 14	0s15	2 24	22 28	0 19	21 8	2 1	13 16	1 7	17 33	0 49	3 15	2 38	20 33	0 37	21 6	1 26	12 42	9 4	8 58	8 29	13 25	18 35	4 48
S 7	23 17	4 8	1 24	22 11	0 33	20 50	1 59	13 3	1 6	17 36	0 49	3 16	2 38	20 34	0 37	21 6	1 26	12 42	9 4	8 58	8 28	13 26	18 35	4 48
S 8	23 21	7 49	0 21	21 53	0 47	20 32	1 56	12 51	1 5	17 39	0 49	3 16	2 37	20 34	0 37	21 6	1 26	12 42	9 4	8 58	8 27	13 27	18 35	4 48
M 9	23 24	11 10	0n42	21 36	1 2	20 13	1 54	12 38	1 4	17 43	0 49	3 16	2 37	20 34	0 37	21 6	1 26	12 42	9 4	8 58	8 25	13 28	18 35	4 48
T 10	23 26	14 4	1 43	21 19	1 17	19 53	1 52	12 25	1 3	17 46	0 49	3 16	2 37	20 35	0 37	21 6	1 26	12 42	9 4	8 57	8 24	13 30	18 36	4 48
W11	23 28	16 23	2 40	21 3	1 33	19 34	1 49	12 12	1 2	17 49	0 49	3 16	2 37	20 35	0 37	21 5	1 26	12 42	9 4	8 56	8 23	13 31	18 36	4 48
T 12	23 30	18 2	3 30	20 46	1 48	19 14	1 46	11 59	1 1	17 53	0 49	3 16	2 36	20 36	0 37	21 5	1 26	12 43	9 4	8 53	8 22	13 32	18 36	4 48
F 13	23 31	18 52	4 12	20 30	2 4	18 53	1 43	11 46	1 0	17 56	0 49	3 17	2 36	20 36	0 37	21 5	1 26	12 43	9 4	8 50	8 21	13 33	18 36	4 48
S 14	23 32	18 51	4 42	20 15	2 20	18 32	1 40	11 33	1 0	17 59	0 49	3 17	2 36	20 37	0 37	21 5	1 26	12 43	9 4	8 46	8 19	13 35	18 36	4 48
S 15	23 33	17 54	4 59	20 0	2 35	18 11	1 37	11 20	0 59	18 2	0 49	3 17	2 36	20 37	0 37	21 5	1 26	12 43	9 5	8 41	8 18	13 36	18 36	4 48
M16	23 33	16 4	5 2	19 46	2 51	17 49	1 34	11 6	0 58	18 5	0 49	3 18	2 35	20 37	0 37	21 5	1 26	12 43	9 5	8 37	8 17	13 37	18 37	4 48
T 17	23 32	13 25	4 49	19 33	3 6	17 27	1 30	10 53	0 57	18 8	0 49	3 18	2 35	20 38	0 37	21 4	1 26	12 44	9 5	8 33	8 16	13 39	18 37	4 49
W18	23 32	10 4	4 22	19 21	3 20	17 5	1 27	10 39	0 56	18 11	0 49	3 19	2 35	20 38	0 37	21 4	1 26	12 44	9 5	8 31	8 15	13 40	18 37	4 49
T 19	23 30	6 9	3 39	19 9	3 34	16 42	1 23	10 26	0 55	18 14	0 49	3 19	2 35	20 39	0 37	21 4	1 26	12 44	9 5	8 29	8 13	13 41	18 37	4 49
F 20	23 29	1 51	2 44	18 59	3 48	16 20	1 19	10 12	0 54	18 17	0 49	3 20	2 34	20 39	0 37	21 4	1 26	12 44	9 5	8 28	8 12	13 42	18 37	4 49
S 21	23 27	2n36	1 38	18 50	4 0	15 56	1 15	9 58	0 53	18 20	0 49	3 20	2 34	20 40	0 37	21 4	1 26	12 44	9 5	8 27	8 11	13 44	18 37	4 49
S 22	23 24	7 0	0 26	18 42	4 11	15 33	1 11	9 44	0 52	18 23	0 49	3 21	2 34	20 40	0 37	21 4	1 26	12 44	9 5	8 27	8 10	13 45	18 37	4 49
M23	23 21	11 5	0s49	18 36	4 21	15 9	1 7	9 30	0 51	18 26	0 49	3 22	2 34	20 41	0 37	21 3	1 26	12 44	9 5	8 27	8 9	13 46	18 37	4 49
T 24	23 18	14 34	2 3	18 30	4 30	14 45	1 2	9 16	0 50	18 29	0 49	3 22	2 33	20 41	0 37	21 3	1 26	12 45	9 5	8 27	8 7	13 47	18 37	4 50
W25	23 14	17 10	3 8	18 26	4 37	14 21	0 58	9 2	0 50	18 32	0 49	3 23	2 33	20 42	0 37	21 3	1 26	12 45	9 5	8 25	8 6	13 49	18 37	4 50
T 26	23 10	18 39	4 2	18 24	4 43	13 57	0 53	8 48	0 49	18 35	0 49	3 24	2 33	20 42	0 37	21 3	1 26	12 45	9 5	8 23	8 5	13 50	18 37	4 50
F 27	23 6	18 53	4 40	18 23	4 47	13 32	0 48	8 34	0 48	18 38	0 49	3 25	2 32	20 43	0 37	21 3	1 26	12 45	9 5	8 19	8 4	13 51	18 37	4 50
S 28	23 1	17 53	4 59	18 23	4 50	13 7	0 43	8 19	0 47	18 40	0 49	3 26	2 32	20 43	0 37	21 3	1 26	12 45	9 5	8 15	8 3	13 52	18 37	4 50
S 29	22 56	15 46	4 59	18 25	4 50	12 42	0 38	8 5	0 46	18 43	0 49	3 27	2 32	20 44	0 37	21 3	1 26	12 45	9 5	8 11	8 1	13 53	18 37	4 51
M30	22n50	12n48	4s41	18n28	4s49	12n17	0n33	7n50	0n45	18n46	0s49	3s27	2n32	20s44	0s37	21s 2	1n26	12n45	9s 5	8s 7	8s 0	13s55	18n37	4s51

Julian Day Number = 2144168.5, Delta T = 14m57s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'23, Lahiri = 12°07'24 Julian Calendar 1 June 1158 == Greg. Calendar 8 June 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

JULY 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 55	14♋40'58	25♌18	7°R49	0♍15	12♍27	27♉ 9	14♎39	0°R28	12°R57	7♊58	20°R32	20♎21	13♏ 4	25♊28	T 1
W 2	19 4 51	15°38'14	8♍20	7♋20	1°12	13° 3	27°20	14°41	0♒26	12♐56	7°59	20♎25	20°18	13°11	25°34	W 2
T 3	19 8 48	16°35'30	20°59	6°55	2° 9	13°39	27°32	14°43	0°24	12°54	8° 0	20°21	20°14	13°17	25°39	T 3
F 4	19 12 44	17°32'47	3♎17	6°34	3° 5	14°15	27°43	14°45	0°21	12°53	8° 1	20°19	20°11	13°24	25°45	F 4
S 5	19 16 41	18°30'04	15°20	6°18	4° 0	14°52	27°54	14°48	0°19	12°52	8° 2	20°19	20° 8	13°31	25°50	S 5
S 6	19 20 37	19°27'22	27°14	6° 8	4°55	15°28	28° 6	14°50	0°17	12°51	8° 3	20°19	20° 5	13°37	25°56	S 6
M 7	19 24 34	20°24'39	9♏ 2	6°D 3	5°50	16° 4	28°17	14°52	0°14	12°49	8° 4	20°18	20° 2	13°44	26° 1	M 7
T 8	19 28 31	21°21'58	20°52	6° 3	6°44	16°41	28°28	14°55	0°12	12°48	8° 5	20°16	19°59	13°51	26° 6	T 8
W 9	19 32 27	22°19'17	2♐47	6°10	7°37	17°17	28°39	14°58	0°10	12°47	8° 6	20°11	19°55	13°57	26°12	W 9
T 10	19 36 24	23°16'36	14°52	6°23	8°30	17°54	28°49	15° 0	0° 7	12°46	8° 7	20° 3	19°52	14° 4	26°17	T 10
F 11	19 40 20	24°13'57	27° 9	6°42	9°22	18°30	29° 0	15° 3	0° 5	12°45	8° 8	19°54	19°49	14°11	26°22	F 11
S 12	19 44 17	25°11'18	9♑42	7° 7	10°14	19° 7	29°11	15° 6	0° 3	12°44	8°10	19°42	19°46	14°17	26°28	S 12
S 13	19 48 13	26° 8'39	22°29	7°38	11° 5	19°44	29°21	15° 9	0° 0	12°43	8°11	19°29	19°43	14°24	26°33	S 13
M14	19 52 10	27° 6'02	5♒31	8°16	11°55	20°21	29°32	15°12	29♑58	12°42	8°11	19°17	19°39	14°31	26°38	M14
T 15	19 56 7	28° 3'26	18°47	9° 0	12°45	20°58	29°42	15°15	29°55	12°41	8°12	19° 6	19°36	14°37	26°43	T 15
W16	20 0 3	29° 0'50	2♓15	9°50	13°34	21°35	29°52	15°18	29°53	12°40	8°13	18°57	19°33	14°44	26°48	W16
T 17	20 4 0	29°58'16	15°53	10°46	14°22	22°12	0♊ 2	15°22	29°51	12°39	8°14	18°51	19°30	14°51	26°53	T 17
F 18	20 7 56	0♌55'43	29°39	11°47	15° 9	22°49	0°12	15°25	29°48	12°38	8°15	18°48	19°27	14°57	26°59	F 18
S 19	20 11 53	1°53'12	13♈33	12°55	15°56	23°27	0°22	15°29	29°46	12°37	8°16	18°D47	19°24	15° 4	27° 4	S 19
S 20	20 15 49	2°50'41	27°34	14° 8	16°42	24° 4	0°32	15°32	29°43	12°36	8°17	18°R47	19°20	15°11	27° 9	S 20
M21	20 19 46	3°48'13	11♉41	15°27	17°27	24°42	0°42	15°36	29°41	12°35	8°18	18°47	19°17	15°17	27°14	M21
T 22	20 23 42	4°45'45	25°53	16°51	18°11	25°19	0°51	15°39	29°39	12°34	8°19	18°45	19°14	15°24	27°19	T 22
W23	20 27 39	5°43'20	10♊ 9	18°20	18°54	25°57	1° 1	15°43	29°36	12°33	8°20	18°41	19°11	15°31	27°24	W23
T 24	20 31 36	6°40'55	24°25	19°53	19°36	26°35	1°10	15°47	29°34	12°33	8°20	18°35	19° 8	15°37	27°28	T 24
F 25	20 35 32	7°38'33	8♋38	21°31	20°17	27°13	1°19	15°51	29°31	12°32	8°21	18°26	19° 5	15°44	27°33	F 25
S 26	20 39 29	8°36'11	22°43	23°13	20°57	27°50	1°28	15°55	29°29	12°31	8°22	18°16	19° 1	15°51	27°38	S 26
S 27	20 43 25	9°33'51	6♌36	24°58	21°36	28°28	1°37	15°59	29°27	12°30	8°23	18° 5	18°58	15°57	27°43	S 27
M28	20 47 22	10°31'32	20°11	26°47	22°14	29° 7	1°46	16° 4	29°24	12°30	8°24	17°55	18°55	16° 4	27°47	M28
T 29	20 51 18	11°29'15	3♍26	28°38	22°51	29°45	1°55	16° 8	29°22	12°29	8°24	17°46	18°52	16°11	27°52	T 29
W30	20 55 15	12°26'58	16°21	0♌32	23°27	0♎23	2° 3	16°12	29°20	12°28	8°25	17°40	18°49	16°17	27°57	W30
T 31	20 59 11	13♌24'43	28♍55	2♌27	24♍ 1	1♎ 1	2♊12	16♎17	29♑17	12♐28	8♊26	17♎36	18♎45	16♏24	28♊ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n44	9n15	4s 8	18n32	4s47	11n51	0n27	7n36	0n44	18n48	0s49	3s28	2n31	20s45	0s37	21s 2	1n26	12n45	9s 5	8s 3	7s59	13s56	18n37	4s51
W 2	22 37	5 21	3 23	18 38	4 43	11 26	0 22	7 21	0 43	18 51	0 49	3 29	2 31	20 45	0 37	21 2	1 26	12 46	9 5	8 1	7 58	13 57	18 37	4 51
T 3	22 31	1 19	2 29	18 45	4 37	11 0	0 16	7 7	0 43	18 54	0 49	3 30	2 31	20 46	0 37	21 2	1 26	12 46	9 6	7 59	7 57	13 58	18 37	4 51
F 4	22 23	2s40	1 29	18 53	4 30	10 35	0 10	6 52	0 42	18 56	0 50	3 32	2 31	20 46	0 37	21 2	1 25	12 46	9 6	7 59	7 55	14 0	18 37	4 52
S 5	22 16	6 28	0 26	19 2	4 22	10 9	0 4	6 37	0 41	18 59	0 50	3 33	2 30	20 47	0 37	21 2	1 25	12 46	9 6	7 58	7 54	14 1	18 37	4 52
S 6	22 8	9 58	0n37	19 13	4 12	9 43	0s 2	6 22	0 40	19 1	0 50	3 34	2 30	20 47	0 37	21 2	1 25	12 46	9 6	7 58	7 53	14 2	18 37	4 52
M 7	21 59	13 2	1 38	19 24	4 1	9 17	0 9	6 7	0 39	19 4	0 50	3 35	2 30	20 48	0 37	21 2	1 25	12 46	9 6	7 58	7 52	14 3	18 37	4 52
T 8	21 50	15 34	2 34	19 35	3 49	8 51	0 15	5 52	0 38	19 6	0 50	3 36	2 30	20 48	0 37	21 1	1 25	12 46	9 6	7 57	7 51	14 4	18 37	4 52
W 9	21 41	17 28	3 25	19 48	3 37	8 25	0 22	5 37	0 37	19 8	0 50	3 37	2 29	20 49	0 37	21 1	1 25	12 46	9 6	7 55	7 49	14 6	18 37	4 53
T 10	21 32	18 36	4 7	20 0	3 23	7 58	0 29	5 22	0 37	19 11	0 50	3 39	2 29	20 49	0 37	21 1	1 25	12 46	9 6	7 52	7 48	14 7	18 37	4 53
F 11	21 22	18 53	4 38	20 14	3 9	7 32	0 36	5 7	0 36	19 13	0 50	3 40	2 29	20 50	0 37	21 1	1 25	12 46	9 6	7 49	7 47	14 8	18 37	4 53
S 12	21 12	18 16	4 56	20 27	2 55	7 6	0 43	4 52	0 35	19 15	0 50	3 41	2 29	20 50	0 37	21 1	1 25	12 46	9 6	7 44	7 46	14 9	18 37	4 53
S 13	21 1	16 43	5 0	20 40	2 40	6 40	0 50	4 36	0 34	19 18	0 50	3 43	2 28	20 51	0 37	21 1	1 25	12 46	9 6	7 39	7 45	14 10	18 36	4 54
M14	20 50	14 18	4 49	20 53	2 24	6 14	0 58	4 21	0 33	19 20	0 50	3 44	2 28	20 51	0 37	21 1	1 25	12 46	9 7	7 35	7 43	14 12	18 36	4 54
T 15	20 39	11 7	4 22	21 6	2 9	5 48	1 5	4 6	0 32	19 22	0 50	3 46	2 28	20 52	0 37	21 1	1 25	12 46	9 7	7 31	7 42	14 13	18 36	4 54
W16	20 27	7 18	3 40	21 18	1 53	5 22	1 13	3 50	0 32	19 24	0 50	3 47	2 28	20 52	0 37	21 1	1 25	12 46	9 7	7 27	7 41	14 14	18 36	4 55
T 17	20 15	3 4	2 45	21 29	1 38	4 56	1 21	3 35	0 31	19 26	0 50	3 49	2 27	20 53	0 37	21 1	1 25	12 46	9 7	7 25	7 40	14 15	18 36	4 55
F 18	20 2	1n23	1 40	21 39	1 22	4 30	1 29	3 19	0 30	19 28	0 50	3 50	2 27	20 54	0 37	21 0	1 25	12 47	9 7	7 24	7 39	14 16	18 36	4 55
S 19	19 50	5 48	0 28	21 48	1 7	4 5	1 37	3 4	0 29	19 30	0 50	3 52	2 27	20 54	0 37	21 0	1 25	12 47	9 7	7 23	7 37	14 17	18 35	4 55
S 20	19 37	9 56	0s46	21 56	0 52	3 39	1 46	2 48	0 28	19 32	0 50	3 53	2 27	20 55	0 37	21 0	1 25	12 47	9 7	7 23	7 36	14 19	18 35	4 56
M21	19 23	13 32	1 58	22 2	0 37	3 14	1 54	2 32	0 28	19 34	0 50	3 55	2 26	20 55	0 37	21 0	1 25	12 47	9 7	7 23	7 35	14 20	18 35	4 56
T 22	19 10	16 21	3 3	22 6	0 23	2 49	2 3	2 17	0 27	19 36	0 50	3 56	2 26	20 56	0 37	21 0	1 25	12 47	9 7	7 23	7 34	14 21	18 35	4 56
W23	18 55	18 9	3 57	22 8	0 9	2 24	2 12	2 1	0 26	19 38	0 50	3 58	2 26	20 56	0 37	21 0	1 25	12 47	9 8	7 21	7 33	14 22	18 35	4 57
T 24	18 41	18 50	4 36	22 8	0n 4	1 59	2 21	1 45	0 25	19 40	0 50	4 0	2 26	20 57	0 37	21 0	1 25	12 47	9 8	7 19	7 31	14 23	18 34	4 57
F 25	18 26	18 18	4 58	22 5	0 16	1 34	2 30	1 29	0 24	19 42	0 50	4 2	2 26	20 57	0 37	21 0	1 25	12 47	9 8	7 16	7 30	14 24	18 34	4 57
S 26	18 11	16 40	5 1	22 0	0 28	1 10	2 39	1 13	0 24	19 44	0 50	4 3	2 25	20 58	0 37	21 0	1 25	12 47	9 8	7 12	7 29	14 26	18 34	4 58
S 27	17 56	14 4	4 47	21 53	0 39	0 46	2 49	0 57	0 23	19 45	0 50	4 5	2 25	20 58	0 37	21 0	1 25	12 47	9 8	7 7	7 28	14 27	18 34	4 58
M28	17 41	10 46	4 16	21 42	0 50	0 22	2 58	0 42	0 22	19 47	0 50	4 7	2 25	20 59	0 37	21 0	1 24	12 47	9 8	7 3	7 26	14 28	18 33	4 58
T 29	17 25	6 59	3 32	21 29	0 59	0s 2	3 8	0 26	0 21	19 49	0 50	4 9	2 25	20 59	0 37	21 0	1 24	12 46	9 8	7 0	7 25	14 29	18 33	4 59
W30	17 9	2 59	2 38	21 14	1 8	0 25	3 18	0 10	0 20	19 51	0 50	4 11	2 24	21 0	0 37	21 0	1 24	12 46	9 8	6 58	7 24	14 30	18 33	4 59
T 31	16n52	1s 4	1s38	20n55	1n15	0s48	3s28	0s 6	0n20	19n52	0s50	4s13	2n24	21s 0	0s37	21s 0	1n24	12n46	9s 9	6s56	7s23	14s31	18n32	4s59

Julian Day Number = 2144198.5, Delta T = 14m56s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'27, Lahiri = 12°07'28 Julian Calendar 1 July 1158 == Greg. Calendar 8 July 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

AUGUST 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 3 8	14♌22'29	11♎12	4♌25	24♍34	1♎40	2♊20	16♎21	29°R15	12°R27	8♊26	17°R34	18♎42	16♏31	28♊ 6	F 1
S 2	21 7 4	15°20'17	23°15	6°23	25° 6	2°18	2°28	16°26	29♑13	12♐27	8°27	17°D34	18°39	16°37	28°10	S 2
S 3	21 11 1	16°18'05	5♏ 9	8°22	25°36	2°57	2°37	16°30	29°11	12°26	8°28	17♎35	18°36	16°44	28°15	S 3
M 4	21 14 58	17°15'55	16°58	10°22	26° 5	3°35	2°44	16°35	29° 8	12°26	8°28	17°R35	18°33	16°51	28°19	M 4
T 5	21 18 54	18°13'46	28°49	12°22	26°32	4°14	2°52	16°40	29° 6	12°25	8°29	17°34	18°30	16°57	28°24	T 5
W 6	21 22 51	19°11'39	10♐46	14°22	26°58	4°53	3° 0	16°45	29° 4	12°25	8°30	17°32	18°26	17° 4	28°28	W 6
T 7	21 26 47	20° 9'32	22°54	16°22	27°22	5°32	3° 7	16°50	29° 2	12°25	8°30	17°27	18°23	17°11	28°32	T 7
F 8	21 30 44	21° 7'27	5♑17	18°21	27°44	6°11	3°15	16°55	29° 0	12°24	8°31	17°21	18°20	17°17	28°36	F 8
S 9	21 34 40	22° 5'24	17°59	20°20	28° 5	6°50	3°22	17° 0	28°57	12°24	8°31	17°12	18°17	17°24	28°40	S 9
S 10	21 38 37	23° 3'22	1♒ 0	22°18	28°23	7°29	3°29	17° 5	28°55	12°24	8°32	17° 3	18°14	17°31	28°44	S 10
M11	21 42 33	24° 1'21	14°19	24°15	28°40	8° 8	3°36	17°10	28°53	12°23	8°32	16°54	18°10	17°37	28°48	M11
T 12	21 46 30	24°59'22	27°57	26°11	28°55	8°47	3°43	17°15	28°51	12°23	8°33	16°46	18° 7	17°44	28°52	T 12
W13	21 50 27	25°57'25	11♓49	28° 6	29° 8	9°26	3°49	17°20	28°49	12°23	8°33	16°40	18° 4	17°51	28°56	W13
T 14	21 54 23	26°55'29	25°52	29°59	29°19	10° 6	3°56	17°26	28°47	12°23	8°33	16°36	18° 1	17°57	29° 0	T 14
F 15	21 58 20	27°53'35	10♈ 2	1♍53	29°28	10°45	4° 2	17°31	28°45	12°23	8°34	16°D34	17°58	18° 4	29° 4	F 15
S 16	22 2 16	28°51'44	24°16	3°44	29°34	11°25	4° 8	17°37	28°43	12°23	8°34	16°34	17°55	18°11	29° 8	S 16
S 17	22 6 13	29°49'54	8♉30	5°35	29°39	12° 4	4°14	17°42	28°41	12°22	8°35	16°35	17°51	18°17	29°11	S 17
M18	22 10 9	0♍48'06	22°42	7°24	29°R41	12°44	4°20	17°48	28°39	12°D22	8°35	16°36	17°48	18°24	29°15	M18
T 19	22 14 6	1°46'21	6♊50	9°12	29°40	13°24	4°26	17°54	28°37	12°22	8°35	16°R36	17°45	18°30	29°19	T 19
W20	22 18 2	2°44'38	20°54	10°59	29°38	14° 3	4°31	17°59	28°35	12°23	8°35	16°35	17°42	18°37	29°22	W20
T 21	22 21 59	3°42'56	4♋52	12°45	29°33	14°43	4°37	18° 5	28°34	12°23	8°36	16°31	17°39	18°44	29°26	T 21
F 22	22 25 56	4°41'17	18°41	14°30	29°26	15°23	4°42	18°11	28°32	12°23	8°36	16°26	17°36	18°50	29°29	F 22
S 23	22 29 52	5°39'40	2♌19	16°13	29°16	16° 3	4°47	18°17	28°30	12°23	8°36	16°20	17°32	18°57	29°32	S 23
S 24	22 33 49	6°38'05	15°46	17°56	29° 4	16°43	4°52	18°23	28°28	12°23	8°36	16°13	17°29	19° 4	29°35	S 24
M25	22 37 45	7°36'32	28°58	19°37	28°50	17°24	4°56	18°29	28°27	12°23	8°37	16° 7	17°26	19°10	29°39	M25
T 26	22 41 42	8°35'01	11♍55	21°17	28°33	18° 4	5° 1	18°35	28°25	12°23	8°37	16° 1	17°23	19°17	29°42	T 26
W27	22 45 38	9°33'32	24°35	22°56	28°15	18°44	5° 5	18°41	28°23	12°24	8°37	15°58	17°20	19°24	29°45	W27
T 28	22 49 35	10°32'05	7♎ 0	24°34	27°53	19°25	5° 9	18°47	28°22	12°24	8°37	15°56	17°16	19°30	29°48	T 28
F 29	22 53 31	11°30'39	19°11	26°11	27°30	20° 5	5°13	18°53	28°20	12°24	8°37	15°D55	17°13	19°37	29°51	F 29
S 30	22 57 28	12°29'15	1♏11	27°47	27° 5	20°46	5°17	18°59	28°19	12°25	8°37	15°56	17°10	19°44	29°53	S 30
S 31	23 1 25	13♍27'53	13♏ 4	29♍22	26♍37	21♎26	5♊20	19♎ 6	28♑17	12♐25	8♊37	15♎58	17♎ 7	19♏50	29♊56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n35	4s58	0s34	20n35	1n22	1s10	3s38	0s22	0n19	19n54	0s51	4s14	2n24	21s 0	0s37	21s 0	1n24	12n46	9s 9	6s55	7s22	14s33	18n32	5s 0
S 2	16 19	8 36	0n30	20 11	1 28	1 32	3 48	0 39	0 18	19 55	0 51	4 16	2 24	21 1	0 37	21 0	1 24	12 46	9 9	6 55	7 20	14 34	18 32	5 0
S 3	16 1	11 50	1 33	19 45	1 33	1 53	3 59	0 55	0 17	19 57	0 51	4 18	2 24	21 1	0 37	21 0	1 24	12 46	9 9	6 56	7 19	14 35	18 32	5 1
M 4	15 44	14 34	2 31	19 17	1 38	2 15	4 9	1 11	0 17	19 58	0 51	4 20	2 23	21 2	0 37	21 0	1 24	12 46	9 9	6 56	7 18	14 36	18 31	5 1
T 5	15 26	16 41	3 22	18 47	1 41	2 35	4 20	1 27	0 16	20 0	0 51	4 22	2 23	21 2	0 37	21 0	1 24	12 46	9 9	6 56	7 17	14 37	18 31	5 1
W 6	15 8	18 6	4 6	18 14	1 43	2 55	4 30	1 43	0 15	20 1	0 51	4 24	2 23	21 3	0 37	21 0	1 24	12 46	9 9	6 55	7 16	14 38	18 31	5 2
T 7	14 50	18 43	4 39	17 40	1 45	3 14	4 41	1 59	0 14	20 3	0 51	4 27	2 23	21 3	0 37	21 0	1 24	12 46	9 10	6 53	7 14	14 39	18 30	5 2
F 8	14 31	18 27	4 59	17 5	1 46	3 33	4 52	2 15	0 14	20 4	0 51	4 29	2 23	21 4	0 37	21 0	1 24	12 46	9 10	6 50	7 13	14 40	18 30	5 3
S 9	14 13	17 17	5 6	16 27	1 47	3 51	5 3	2 32	0 13	20 5	0 51	4 31	2 22	21 4	0 37	21 0	1 24	12 46	9 10	6 47	7 12	14 42	18 29	5 3
S 10	13 54	15 12	4 57	15 49	1 46	4 9	5 14	2 48	0 12	20 7	0 51	4 33	2 22	21 5	0 37	21 0	1 24	12 46	9 10	6 44	7 11	14 43	18 29	5 3
M11	13 34	12 16	4 32	15 9	1 45	4 26	5 25	3 4	0 11	20 8	0 51	4 35	2 22	21 5	0 37	21 0	1 24	12 46	9 10	6 40	7 9	14 44	18 29	5 4
T 12	13 15	8 37	3 51	14 28	1 44	4 42	5 36	3 20	0 11	20 9	0 51	4 37	2 22	21 5	0 37	21 0	1 24	12 46	9 10	6 37	7 8	14 45	18 28	5 4
W13	12 55	4 27	2 56	13 47	1 42	4 57	5 47	3 36	0 10	20 10	0 51	4 39	2 22	21 6	0 37	21 0	1 24	12 46	9 11	6 35	7 7	14 46	18 28	5 5
T 14	12 36	0n 1	1 49	13 4	1 39	5 11	5 58	3 53	0 9	20 11	0 51	4 42	2 22	21 6	0 37	21 0	1 24	12 46	9 11	6 33	7 6	14 47	18 28	5 5
F 15	12 16	4 32	0 35	12 21	1 36	5 25	6 9	4 9	0 8	20 12	0 51	4 44	2 21	21 7	0 37	21 0	1 24	12 45	9 11	6 32	7 5	14 48	18 27	5 5
S 16	11 55	8 48	0s42	11 37	1 32	5 37	6 19	4 25	0 8	20 14	0 51	4 46	2 21	21 7	0 37	21 0	1 23	12 45	9 11	6 32	7 3	14 49	18 27	5 6
S 17	11 35	12 34	1 56	10 53	1 28	5 49	6 30	4 41	0 7	20 15	0 51	4 48	2 21	21 7	0 37	21 0	1 23	12 45	9 11	6 33	7 2	14 50	18 26	5 6
M18	11 14	15 35	3 3	10 8	1 24	5 59	6 41	4 57	0 6	20 16	0 52	4 51	2 21	21 8	0 37	21 0	1 23	12 45	9 11	6 33	7 1	14 52	18 26	5 7
T 19	10 53	17 38	3 58	9 23	1 19	6 9	6 51	5 14	0 5	20 17	0 52	4 53	2 21	21 8	0 37	21 0	1 23	12 45	9 11	6 33	7 0	14 53	18 25	5 7
W20	10 33	18 35	4 39	8 37	1 14	6 17	7 1	5 30	0 5	20 18	0 52	4 55	2 21	21 9	0 37	21 0	1 23	12 45	9 12	6 33	6 59	14 54	18 25	5 8
T 21	10 11	18 24	5 3	7 52	1 9	6 24	7 11	5 46	0 4	20 18	0 52	4 58	2 20	21 9	0 37	21 0	1 23	12 45	9 12	6 31	6 57	14 55	18 25	5 8
F 22	9 50	17 8	5 9	7 6	1 3	6 30	7 21	6 2	0 3	20 19	0 52	5 0	2 20	21 9	0 37	21 0	1 23	12 45	9 12	6 29	6 56	14 56	18 24	5 9
S 23	9 29	14 54	4 58	6 21	0 58	6 35	7 30	6 18	0 3	20 20	0 52	5 2	2 20	21 10	0 37	21 0	1 23	12 45	9 12	6 27	6 55	14 57	18 24	5 9
S 24	9 7	11 53	4 30	5 35	0 52	6 39	7 39	6 34	0 2	20 21	0 52	5 5	2 20	21 10	0 37	21 0	1 23	12 44	9 12	6 24	6 54	14 58	18 23	5 10
M25	8 45	8 19	3 48	4 49	0 45	6 41	7 48	6 51	0 1	20 22	0 52	5 7	2 20	21 10	0 37	21 1	1 23	12 44	9 12	6 22	6 52	14 59	18 23	5 10
T 26	8 23	4 26	2 55	4 4	0 39	6 42	7 56	7 7	0 0	20 23	0 52	5 10	2 20	21 11	0 37	21 1	1 23	12 44	9 13	6 20	6 51	15 0	18 22	5 10
W27	8 1	0 25	1 54	3 18	0 32	6 41	8 4	7 23	0s 0	20 23	0 52	5 12	2 19	21 11	0 37	21 1	1 23	12 44	9 13	6 18	6 50	15 1	18 22	5 11
T 28	7 39	3s32	0 49	2 33	0 25	6 39	8 11	7 39	0 1	20 24	0 52	5 15	2 19	21 11	0 37	21 1	1 23	12 44	9 13	6 18	6 49	15 2	18 21	5 11
F 29	7 17	7 16	0n18	1 48	0 18	6 36	8 17	7 55	0 2	20 25	0 52	5 17	2 19	21 12	0 37	21 1	1 23	12 44	9 13	6 18	6 48	15 3	18 21	5 12
S 30	6 54	10 39	1 23	1 3	0 11	6 31	8 23	8 11	0 2	20 25	0 52	5 20	2 19	21 12	0 37	21 1	1 23	12 44	9 13	6 18	6 46	15 4	18 20	5 12
S 31	6n32	13s33	2n23	0n19	0n 4	6s25	8s28	8s27	0s 3	20n26	0s52	5s22	2n19	21s12	0s37	21s 1	1n23	12n43	9s13	6s19	6s45	15s 6	18n20	5s13

Julian Day Number = 2144229.5, Delta T = 14m56s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'32, Lahiri = 12°07'32 Julian Calendar 1 Aug. 1158 == Greg. Calendar 8 Aug. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

SEPTEMBER 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 5 21	14♍26'33	24♏53	0♎56	26°R 8	22♎ 7	5♊24	19♎12	28°R16	12♐26	8♊37	16♎ 0	17♎ 4	19♏57	29♊59	M 1
T 2	23 9 18	15°25'15	6♐43	2°29	25♍37	22°48	5°27	19°18	28♑14	12°26	8°R37	16° 1	17° 1	20° 4	0♋ 2	T 2
W 3	23 13 14	16°23'58	18°40	4° 1	25° 5	23°29	5°30	19°25	28°13	12°26	8°37	16°R 1	16°57	20°10	0° 4	W 3
T 4	23 17 11	17°22'43	0♑48	5°32	24°31	24°10	5°33	19°31	28°12	12°27	8°37	16° 0	16°54	20°17	0° 7	T 4
F 5	23 21 7	18°21'30	13°11	7° 2	23°57	24°51	5°35	19°38	28°10	12°28	8°37	15°58	16°51	20°24	0° 9	F 5
S 6	23 25 4	19°20'19	25°55	8°31	23°21	25°32	5°38	19°44	28° 9	12°28	8°37	15°55	16°48	20°30	0°11	S 6
S 7	23 29 0	20°19'09	9♒ 0	9°59	22°45	26°13	5°40	19°51	28° 8	12°29	8°37	15°51	16°45	20°37	0°13	S 7
M 8	23 32 57	21°18'02	22°30	11°26	22° 8	26°54	5°42	19°57	28° 7	12°29	8°37	15°48	16°42	20°44	0°16	M 8
T 9	23 36 53	22°16'56	6♓22	12°52	21°31	27°35	5°44	20° 4	28° 6	12°30	8°37	15°44	16°38	20°51	0°18	T 9
W10	23 40 50	23°15'52	20°34	14°17	20°54	28°17	5°46	20°10	28° 5	12°31	8°37	15°42	16°35	20°57	0°20	W10
T 11	23 44 47	24°14'50	5♈ 1	15°40	20°17	28°58	5°47	20°17	28° 4	12°32	8°36	15°40	16°32	21° 4	0°22	T 11
F 12	23 48 43	25°13'50	19°38	17° 3	19°41	29°40	5°48	20°24	28° 3	12°32	8°36	15°D40	16°29	21°11	0°24	F 12
S 13	23 52 40	26°12'53	4♉18	18°25	19° 6	0♏21	5°50	20°31	28° 2	12°33	8°36	15°41	16°26	21°17	0°25	S 13
S 14	23 56 36	27°11'58	18°55	19°45	18°32	1° 3	5°50	20°37	28° 1	12°34	8°36	15°42	16°22	21°24	0°27	S 14
M15	0 0 33	28°11'05	3♊24	21° 4	17°59	1°44	5°51	20°44	28° 0	12°35	8°35	15°43	16°19	21°31	0°29	M15
T 16	0 4 29	29°10'14	17°41	22°22	17°28	2°26	5°52	20°51	27°59	12°36	8°35	15°44	16°16	21°37	0°30	T 16
W17	0 8 26	0♎ 9'26	1♋45	23°39	16°58	3° 8	5°52	20°58	27°59	12°37	8°35	15°R44	16°13	21°44	0°32	W17
T 18	0 12 22	1° 8'41	15°33	24°54	16°30	3°50	5°R52	21° 5	27°58	12°38	8°34	15°44	16°10	21°51	0°33	T 18
F 19	0 16 19	2° 7'58	29° 5	26° 8	16° 3	4°32	5°52	21°12	27°57	12°39	8°34	15°43	16° 7	21°57	0°34	F 19
S 20	0 20 16	3° 7'17	12♌23	27°20	15°39	5°14	5°51	21°19	27°57	12°40	8°34	15°41	16° 3	22° 4	0°36	S 20
S 21	0 24 12	4° 6'38	25°26	28°31	15°17	5°56	5°51	21°26	27°56	12°41	8°33	15°40	16° 0	22°11	0°37	S 21
M22	0 28 9	5° 6'02	8♍15	29°39	14°58	6°38	5°50	21°33	27°56	12°42	8°33	15°38	15°57	22°17	0°38	M22
T 23	0 32 5	6° 5'27	20°50	0♏46	14°40	7°20	5°49	21°40	27°55	12°43	8°32	15°37	15°54	22°24	0°39	T 23
W24	0 36 2	7° 4'55	3♎14	1°50	14°25	8° 3	5°48	21°47	27°55	12°44	8°32	15°36	15°51	22°31	0°40	W24
T 25	0 39 58	8° 4'25	15°26	2°52	14°13	8°45	5°47	21°54	27°54	12°46	8°32	15°D36	15°47	22°37	0°40	T 25
F 26	0 43 55	9° 3'57	27°29	3°52	14° 2	9°28	5°45	22° 1	27°54	12°47	8°31	15°36	15°44	22°44	0°41	F 26
S 27	0 47 51	10° 3'32	9♏25	4°48	13°55	10°10	5°44	22° 8	27°54	12°48	8°31	15°37	15°41	22°51	0°42	S 27
S 28	0 51 48	11° 3'08	21°15	5°42	13°49	10°53	5°42	22°15	27°54	12°49	8°30	15°37	15°38	22°57	0°42	S 28
M29	0 55 44	12° 2'46	3♐ 3	6°32	13°47	11°35	5°39	22°22	27°54	12°51	8°29	15°38	15°35	23° 4	0°43	M29
T 30	0 59 41	13♎ 2'25	14♐53	7♏18	13°D46	12♏18	5♊37	22♎29	27♑53	12♐52	8♊29	15♎38	15♎32	23♏11	0♋43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	6n 9	15s53	3n17	0s25	0s 3	6s17	8s32	8s43	0s 4	20n26	0s52	5s25	2n19	21s12	0s37	21s 1	1n23	12n43	9s14	6s19	6s44	15s 7	18n19	5s13	M 1
T 2	5 46	17 32	4 3	1 9	0 11	6 8	8 36	8 58	0 5	20 27	0 52	5 27	2 19	21 13	0 37	21 1	1 23	12 43	9 14	6 20	6 43	15 8	18 19	5 14	T 2
W 3	5 23	18 25	4 39	1 53	0 18	5 58	8 38	9 14	0 5	20 27	0 53	5 30	2 19	21 13	0 37	21 1	1 23	12 43	9 14	6 20	6 41	15 9	18 18	5 14	W 3
T 4	5 0	18 29	5 3	2 36	0 26	5 46	8 40	9 30	0 6	20 28	0 53	5 32	2 18	21 13	0 37	21 2	1 22	12 43	9 14	6 19	6 40	15 10	18 18	5 15	T 4
F 5	4 37	17 41	5 14	3 19	0 33	5 33	8 41	9 46	0 7	20 28	0 53	5 35	2 18	21 13	0 37	21 2	1 22	12 43	9 14	6 19	6 39	15 11	18 17	5 15	F 5
S 6	4 14	15 59	5 9	4 1	0 41	5 19	8 41	10 2	0 7	20 28	0 53	5 37	2 18	21 14	0 37	21 2	1 22	12 43	9 14	6 17	6 38	15 12	18 17	5 16	S 6
S 7	3 51	13 26	4 49	4 42	0 48	5 4	8 40	10 17	0 8	20 29	0 53	5 40	2 18	21 14	0 37	21 2	1 22	12 42	9 14	6 16	6 37	15 13	18 16	5 16	S 7
M 8	3 28	10 6	4 12	5 24	0 56	4 48	8 38	10 33	0 9	20 29	0 53	5 42	2 18	21 14	0 37	21 2	1 22	12 42	9 15	6 15	6 35	15 14	18 16	5 17	M 8
T 9	3 5	6 7	3 20	6 4	1 3	4 31	8 35	10 48	0 9	20 29	0 53	5 45	2 18	21 14	0 37	21 2	1 22	12 42	9 15	6 13	6 34	15 15	18 15	5 18	T 9
W10	2 41	1 42	2 14	6 44	1 11	4 13	8 31	11 4	0 10	20 30	0 53	5 48	2 18	21 14	0 37	21 2	1 22	12 42	9 15	6 12	6 33	15 16	18 15	5 18	W10
T 11	2 18	2n54	0 58	7 24	1 18	3 54	8 27	11 19	0 11	20 30	0 53	5 50	2 18	21 15	0 37	21 3	1 22	12 42	9 15	6 12	6 32	15 17	18 14	5 19	T 11
F 12	1 54	7 23	0s22	8 3	1 25	3 35	8 21	11 35	0 11	20 30	0 53	5 53	2 18	21 15	0 37	21 3	1 22	12 41	9 15	6 12	6 30	15 18	18 14	5 19	F 12
S 13	1 31	11 25	1 41	8 41	1 33	3 15	8 15	11 50	0 12	20 30	0 53	5 55	2 17	21 15	0 37	21 3	1 22	12 41	9 15	6 12	6 29	15 19	18 13	5 20	S 13
S 14	1 7	14 44	2 54	9 18	1 40	2 55	8 7	12 5	0 13	20 30	0 53	5 58	2 17	21 15	0 37	21 3	1 22	12 41	9 16	6 12	6 28	15 20	18 13	5 20	S 14
M15	0 44	17 6	3 54	9 55	1 47	2 35	7 59	12 20	0 13	20 30	0 53	6 1	2 17	21 15	0 37	21 3	1 22	12 41	9 16	6 13	6 27	15 21	18 12	5 21	M15
T 16	0 20	18 20	4 40	10 31	1 54	2 14	7 50	12 35	0 14	20 30	0 53	6 3	2 17	21 15	0 37	21 3	1 22	12 41	9 16	6 13	6 26	15 22	18 11	5 21	T 16
W17	0s 4	18 25	5 7	11 6	2 1	1 54	7 41	12 50	0 15	20 30	0 53	6 6	2 17	21 16	0 37	21 4	1 22	12 40	9 16	6 13	6 24	15 23	18 11	5 22	W17
T 18	0 27	17 24	5 17	11 40	2 8	1 34	7 31	13 5	0 15	20 30	0 53	6 9	2 17	21 16	0 37	21 4	1 22	12 40	9 16	6 13	6 23	15 24	18 10	5 22	T 18
F 19	0 51	15 24	5 8	12 13	2 14	1 14	7 20	13 20	0 16	20 30	0 53	6 11	2 17	21 16	0 37	21 4	1 22	12 40	9 16	6 13	6 22	15 25	18 10	5 23	F 19
S 20	1 15	12 38	4 43	12 45	2 21	0 54	7 9	13 35	0 17	20 30	0 54	6 14	2 17	21 16	0 37	21 4	1 22	12 40	9 16	6 12	6 21	15 26	18 9	5 23	S 20
S 21	1 38	9 16	4 4	13 16	2 27	0 35	6 57	13 50	0 17	20 30	0 54	6 17	2 17	21 16	0 37	21 4	1 22	12 40	9 17	6 11	6 19	15 27	18 9	5 24	S 21
M22	2 2	5 32	3 13	13 46	2 32	0 16	6 45	14 4	0 18	20 30	0 54	6 19	2 17	21 16	0 37	21 4	1 22	12 40	9 17	6 11	6 18	15 28	18 8	5 25	M22
T 23	2 26	1 36	2 13	14 15	2 38	0n 2	6 32	14 19	0 19	20 30	0 54	6 22	2 17	21 16	0 37	21 5	1 21	12 39	9 17	6 10	6 17	15 29	18 8	5 25	T 23
W24	2 49	2s20	1 8	14 43	2 43	0 19	6 20	14 33	0 19	20 29	0 54	6 25	2 17	21 16	0 37	21 5	1 21	12 39	9 17	6 10	6 16	15 30	18 7	5 26	W24
T 25	3 13	6 7	0 1	15 9	2 48	0 36	6 7	14 48	0 20	20 29	0 54	6 27	2 17	21 16	0 37	21 5	1 21	12 39	9 17	6 10	6 14	15 31	18 6	5 26	T 25
F 26	3 37	9 36	1n 6	15 34	2 53	0 52	5 53	15 2	0 20	20 29	0 54	6 30	2 17	21 16	0 37	21 5	1 21	12 39	9 17	6 10	6 13	15 32	18 6	5 27	F 26
S 27	4 0	12 40	2 9	15 57	2 57	1 7	5 40	15 16	0 21	20 28	0 54	6 33	2 16	21 16	0 36	21 5	1 21	12 38	9 17	6 10	6 12	15 33	18 5	5 27	S 27
S 28	4 24	15 10	3 5	16 19	3 0	1 22	5 27	15 30	0 22	20 28	0 54	6 35	2 16	21 16	0 36	21 6	1 21	12 38	9 18	6 10	6 11	15 34	18 5	5 28	S 28
M29	4 47	17 2	3 54	16 38	3 3	1 35	5 13	15 44	0 22	20 28	0 54	6 38	2 16	21 16	0 36	21 6	1 21	12 38	9 18	6 11	6 10	15 35	18 4	5 28	M29
T 30	5s10	18s 9	4n33	16s56	3s 6	1n48	5s 0	15s58	0s23	20n27	0s54	6s41	2n16	21s16	0s36	21s 6	1n21	12n38	9s18	6s11	6s 8	15s36	18n 4	5s29	T 30

Julian Day Number = 2144260.5, Delta T = 14m56s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'36, Lahiri = 12°07'36 Julian Calendar 1 Sept. 1158 == Greg. Calendar 8 Sept. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

OCTOBER 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 3 38	14♎ 2'07	26♐49	8♏ 0	13♍48	13♏ 1	5°R35	22♎36	27°D53	12♐53	8°R28	15♎38	15♎28	23♏17	0♋43	W 1
T 2	1 7 34	15° 1'51	8♑54	8°38	13°52	13°44	5♊32	22°44	27♑53	12°55	8♊28	15°38	15°25	23°24	0°44	T 2
F 3	1 11 31	16° 1'36	21°14	9°10	13°59	14°27	5°29	22°51	27°54	12°56	8°27	15°38	15°22	23°31	0°44	F 3
S 4	1 15 27	17° 1'23	3♒53	9°37	14° 8	15°10	5°26	22°58	27°54	12°57	8°26	15°38	15°19	23°37	0°R44	S 4
S 5	1 19 24	18° 1'11	16°55	9°58	14°19	15°53	5°23	23° 5	27°54	12°59	8°26	15°39	15°16	23°44	0°44	S 5
M 6	1 23 20	19° 1'02	0♓22	10°12	14°32	16°36	5°19	23°12	27°54	13° 0	8°25	15°39	15°13	23°51	0°44	M 6
T 7	1 27 17	20° 0'54	14°16	10°R19	14°47	17°19	5°15	23°19	27°54	13° 2	8°24	15°39	15° 9	23°57	0°43	T 7
W 8	1 31 13	21° 0'48	28°36	10°18	15° 4	18° 2	5°11	23°27	27°55	13° 3	8°24	15°40	15° 6	24° 4	0°43	W 8
T 9	1 35 10	22° 0'44	13♈17	10° 8	15°24	18°46	5° 7	23°34	27°55	13° 5	8°23	15°R40	15° 3	24°11	0°43	T 9
F 10	1 39 7	23° 0'41	28°13	9°50	15°45	19°29	5° 3	23°41	27°55	13° 7	8°22	15°40	15° 0	24°17	0°42	F 10
S 11	1 43 3	24° 0'41	13♉17	9°22	16° 8	20°12	4°59	23°48	27°56	13° 8	8°21	15°39	14°57	24°24	0°42	S 11
S 12	1 47 0	25° 0'43	28°20	8°45	16°33	20°56	4°54	23°55	27°56	13°10	8°20	15°38	14°53	24°31	0°41	S 12
M13	1 50 56	26° 0'46	13♊12	7°59	16°59	21°39	4°49	24° 3	27°57	13°12	8°20	15°37	14°50	24°37	0°40	M13
T 14	1 54 53	27° 0'52	27°48	7° 3	17°28	22°23	4°44	24°10	27°58	13°13	8°19	15°36	14°47	24°44	0°39	T 14
W15	1 58 49	28° 1'01	12♋ 2	6° 0	17°58	23° 7	4°39	24°17	27°58	13°15	8°18	15°35	14°44	24°51	0°38	W15
T 16	2 2 46	29° 1'11	25°54	4°50	18°29	23°50	4°34	24°24	27°59	13°17	8°17	15°D34	14°41	24°57	0°37	T 16
F 17	2 6 42	0♏ 1'24	9♌21	3°34	19° 2	24°34	4°29	24°31	28° 0	13°18	8°16	15°35	14°38	25° 4	0°36	F 17
S 18	2 10 39	1° 1'38	22°28	2°16	19°36	25°18	4°23	24°38	28° 1	13°20	8°15	15°35	14°34	25°11	0°35	S 18
S 19	2 14 36	2° 1'55	5♍15	0°57	20°12	26° 2	4°17	24°46	28° 1	13°22	8°15	15°37	14°31	25°17	0°34	S 19
M20	2 18 32	3° 2'13	17°47	29♎40	20°49	26°46	4°11	24°53	28° 2	13°24	8°14	15°38	14°28	25°24	0°33	M20
T 21	2 22 29	4° 2'34	0♎ 5	28°27	21°28	27°30	4° 5	25° 0	28° 3	13°26	8°13	15°39	14°25	25°31	0°31	T 21
W22	2 26 25	5° 2'56	12°14	27°21	22° 8	28°14	3°59	25° 7	28° 4	13°28	8°12	15°R40	14°22	25°37	0°30	W22
T 23	2 30 22	6° 3'20	24°14	26°24	22°49	28°59	3°53	25°14	28° 5	13°29	8°11	15°40	14°18	25°44	0°28	T 23
F 24	2 34 18	7° 3'47	6♏ 9	25°36	23°31	29°43	3°46	25°21	28° 7	13°31	8°10	15°38	14°15	25°51	0°27	F 24
S 25	2 38 15	8° 4'14	18° 0	25° 0	24°14	0♐27	3°39	25°28	28° 8	13°33	8° 9	15°36	14°12	25°58	0°25	S 25
S 26	2 42 11	9° 4'44	29°49	24°35	24°58	1°11	3°33	25°35	28° 9	13°35	8° 8	15°32	14° 9	26° 4	0°23	S 26
M27	2 46 8	10° 5'15	11♐39	24°22	25°43	1°56	3°26	25°43	28°10	13°37	8° 7	15°28	14° 6	26°11	0°21	M27
T 28	2 50 5	11° 5'47	23°31	24°D21	26°29	2°40	3°19	25°50	28°12	13°39	8° 6	15°23	14° 3	26°18	0°19	T 28
W29	2 54 1	12° 6'21	5♑28	24°30	27°17	3°25	3°12	25°57	28°13	13°41	8° 5	15°19	13°59	26°24	0°17	W29
T 30	2 57 58	13° 6'57	17°33	24°50	28° 5	4°10	3° 4	26° 4	28°14	13°43	8° 4	15°16	13°56	26°31	0°15	T 30
F 31	3 1 54	14♏ 7'33	29♑51	25♎19	28♍54	4♐54	2♊57	26♎11	28♑16	13♐45	8♊ 3	15♎13	13♎53	26♏38	0♋13	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s34	18s30	5n 1	17s12	3s 8	1n59	4s47	16s11	0s24	20n27	0s54	6s44	2n16	21s16	0s36	21s 6	1n21	12n38	9s18	6s11	6s 7	15s37	18n 3	5s29
T 2	5 57	18 0	5 16	17 25	3 9	2 10	4 33	16 25	0 24	20 26	0 54	6 46	2 16	21 16	0 36	21 6	1 21	12 37	9 18	6 11	6 6	15 38	18 3	5 30
F 3	6 20	16 39	5 16	17 36	3 9	2 20	4 20	16 38	0 25	20 26	0 54	6 49	2 16	21 16	0 36	21 7	1 21	12 37	9 18	6 11	6 5	15 39	18 2	5 31
S 4	6 43	14 28	5 2	17 44	3 9	2 29	4 7	16 52	0 25	20 25	0 54	6 52	2 16	21 16	0 36	21 7	1 21	12 37	9 18	6 11	6 3	15 40	18 2	5 31
S 5	7 6	11 31	4 32	17 49	3 7	2 37	3 54	17 5	0 26	20 24	0 54	6 54	2 16	21 16	0 36	21 7	1 21	12 37	9 18	6 11	6 2	15 41	18 1	5 32
M 6	7 29	7 52	3 46	17 51	3 4	2 43	3 41	17 18	0 27	20 24	0 54	6 57	2 16	21 16	0 36	21 7	1 21	12 37	9 19	6 11	6 1	15 42	18 0	5 32
T 7	7 52	3 40	2 46	17 50	3 0	2 49	3 28	17 31	0 27	20 23	0 54	7 0	2 16	21 16	0 36	21 8	1 21	12 36	9 19	6 11	6 0	15 43	18 0	5 33
W 8	8 14	0n52	1 33	17 44	2 55	2 54	3 15	17 44	0 28	20 22	0 54	7 2	2 16	21 16	0 36	21 8	1 21	12 36	9 19	6 11	5 58	15 44	17 59	5 33
T 9	8 37	5 28	0 13	17 35	2 48	2 58	3 3	17 56	0 28	20 22	0 54	7 5	2 16	21 16	0 36	21 8	1 21	12 36	9 19	6 12	5 57	15 45	17 59	5 34
F 10	8 59	9 49	1s 9	17 21	2 40	3 1	2 51	18 9	0 29	20 21	0 54	7 8	2 16	21 16	0 36	21 8	1 21	12 36	9 19	6 11	5 56	15 46	17 58	5 34
S 11	9 21	13 33	2 28	17 3	2 30	3 3	2 39	18 21	0 30	20 20	0 54	7 10	2 16	21 15	0 36	21 9	1 21	12 35	9 19	6 11	5 55	15 47	17 58	5 35
S 12	9 43	16 22	3 35	16 40	2 18	3 5	2 27	18 33	0 30	20 19	0 54	7 13	2 16	21 15	0 36	21 9	1 21	12 35	9 19	6 11	5 54	15 48	17 57	5 36
M13	10 5	18 3	4 28	16 12	2 5	3 5	2 15	18 45	0 31	20 18	0 54	7 16	2 16	21 15	0 36	21 9	1 21	12 35	9 19	6 10	5 52	15 49	17 57	5 36
T 14	10 27	18 30	5 2	15 39	1 49	3 4	2 4	18 57	0 31	20 17	0 54	7 18	2 16	21 15	0 36	21 9	1 21	12 35	9 19	6 10	5 51	15 50	17 56	5 37
W15	10 49	17 45	5 16	15 2	1 33	3 3	1 53	19 9	0 32	20 17	0 54	7 21	2 16	21 15	0 36	21 10	1 21	12 35	9 19	6 10	5 50	15 50	17 56	5 37
T 16	11 10	15 57	5 12	14 21	1 14	3 1	1 42	19 20	0 32	20 16	0 54	7 23	2 16	21 15	0 36	21 10	1 20	12 34	9 20	6 9	5 49	15 51	17 55	5 38
F 17	11 32	13 19	4 50	13 37	0 55	2 57	1 31	19 32	0 33	20 15	0 54	7 26	2 16	21 15	0 36	21 10	1 20	12 34	9 20	6 9	5 47	15 52	17 54	5 38
S 18	11 53	10 5	4 14	12 51	0 34	2 53	1 21	19 43	0 34	20 14	0 54	7 29	2 16	21 14	0 36	21 10	1 20	12 34	9 20	6 10	5 46	15 53	17 54	5 39
S 19	12 14	6 26	3 26	12 4	0 14	2 49	1 11	19 54	0 34	20 12	0 54	7 31	2 16	21 14	0 36	21 11	1 20	12 34	9 20	6 10	5 45	15 54	17 53	5 39
M20	12 35	2 35	2 28	11 18	0n 7	2 43	1 1	20 5	0 35	20 11	0 54	7 34	2 16	21 14	0 36	21 11	1 20	12 33	9 20	6 11	5 44	15 55	17 53	5 40
T 21	12 55	1s20	1 25	10 33	0 27	2 37	0 51	20 16	0 35	20 10	0 54	7 36	2 16	21 14	0 36	21 11	1 20	12 33	9 20	6 11	5 42	15 56	17 52	5 40
W22	13 16	5 9	0 19	9 51	0 46	2 30	0 42	20 26	0 36	20 9	0 54	7 39	2 16	21 13	0 36	21 11	1 20	12 33	9 20	6 12	5 41	15 57	17 52	5 41
T 23	13 36	8 42	0n47	9 14	1 4	2 22	0 33	20 37	0 36	20 8	0 54	7 42	2 16	21 13	0 36	21 12	1 20	12 33	9 20	6 11	5 40	15 58	17 51	5 41
F 24	13 56	11 53	1 51	8 42	1 20	2 14	0 24	20 47	0 37	20 7	0 54	7 44	2 16	21 13	0 36	21 12	1 20	12 33	9 20	6 11	5 39	15 59	17 51	5 42
S 25	14 16	14 34	2 49	8 15	1 35	2 4	0 15	20 57	0 37	20 6	0 54	7 47	2 16	21 13	0 36	21 12	1 20	12 32	9 20	6 10	5 37	16 0	17 50	5 42
S 26	14 35	16 37	3 40	7 54	1 47	1 55	0 6	21 7	0 38	20 4	0 54	7 49	2 16	21 12	0 36	21 12	1 20	12 32	9 20	6 9	5 36	16 1	17 50	5 43
M27	14 54	17 58	4 21	7 40	1 58	1 44	0n 2	21 16	0 38	20 3	0 54	7 52	2 16	21 12	0 36	21 13	1 20	12 32	9 20	6 7	5 35	16 2	17 49	5 43
T 28	15 13	18 32	4 51	7 31	2 6	1 33	0 10	21 25	0 39	20 2	0 54	7 54	2 16	21 12	0 36	21 13	1 20	12 32	9 20	6 5	5 34	16 2	17 49	5 44
W29	15 32	18 17	5 9	7 28	2 13	1 21	0 18	21 35	0 40	20 1	0 54	7 57	2 16	21 12	0 36	21 13	1 20	12 32	9 20	6 3	5 33	16 3	17 48	5 44
T 30	15 51	17 13	5 13	7 31	2 18	1 9	0 25	21 44	0 40	19 59	0 54	7 59	2 17	21 11	0 36	21 13	1 20	12 31	9 20	6 2	5 31	16 4	17 48	5 45
F 31	16s 9	15s20	5n 3	7s38	2n22	0n56	0n33	21s52	0s41	19n58	0s54	8s 2	2n17	21s11	0s36	21s14	1n20	12n31	9s21	6s 1	5s30	16s 5	17n48	5s45

Julian Day Number = 2144290.5, Delta T = 14m56s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'40, Lahiri = 12°07'41 Julian Calendar 1 Oct. 1158 == Greg. Calendar 8 Oct. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

NOVEMBER 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 5 51	15♏ 8'11	12♒24	25♎56	29♍43	5♐39	2°R50	26♎18	28♑17	13♐47	8°R 2	15°D12	13♎50	26♏44	0°R11	S 1
S 2	3 9 47	16° 8'50	25°18	26°41	0♎34	6°24	2♊42	26°24	28°19	13°49	8♊ 1	15♎13	13°47	26°51	0♋ 8	S 2
M 3	3 13 44	17° 9'30	8♓35	27°32	1°25	7° 9	2°35	26°31	28°21	13°51	8° 0	15°14	13°44	26°58	0° 6	M 3
T 4	3 17 40	18°10'11	22°19	28°29	2°17	7°53	2°27	26°38	28°22	13°53	7°58	15°15	13°40	27° 4	0° 4	T 4
W 5	3 21 37	19°10'54	6♈31	29°32	3°10	8°38	2°19	26°45	28°24	13°55	7°57	15°17	13°37	27°11	0° 1	W 5
T 6	3 25 34	20°11'37	21° 9	0♏39	4° 4	9°23	2°11	26°52	28°26	13°58	7°56	15°R17	13°34	27°18	29♊58	T 6
F 7	3 29 30	21°12'22	6♉ 9	1°49	4°58	10° 8	2° 3	26°59	28°27	14° 0	7°55	15°15	13°31	27°24	29°56	F 7
S 8	3 33 27	22°13'08	21°23	3° 3	5°53	10°54	1°55	27° 5	28°29	14° 2	7°54	15°12	13°28	27°31	29°53	S 8
S 9	3 37 23	23°13'55	6♊41	4°20	6°49	11°39	1°47	27°12	28°31	14° 4	7°53	15° 7	13°24	27°38	29°50	S 9
M10	3 41 20	24°14'44	21°53	5°39	7°45	12°24	1°39	27°19	28°33	14° 6	7°52	15° 1	13°21	27°44	29°47	M10
T 11	3 45 16	25°15'34	6♋48	7° 1	8°42	13° 9	1°31	27°26	28°35	14° 8	7°51	14°55	13°18	27°51	29°44	T 11
W12	3 49 13	26°16'26	21°20	8°24	9°39	13°54	1°23	27°32	28°37	14°10	7°50	14°50	13°15	27°58	29°41	W12
T 13	3 53 9	27°17'19	5♌23	9°48	10°37	14°40	1°15	27°39	28°39	14°13	7°48	14°46	13°12	28° 4	29°38	T 13
F 14	3 57 6	28°18'13	18°56	11°14	11°35	15°25	1° 7	27°45	28°41	14°15	7°47	14°43	13° 9	28°11	29°35	F 14
S 15	4 1 3	29°19'09	2♍ 3	12°41	12°34	16°11	0°59	27°52	28°43	14°17	7°46	14°D43	13° 5	28°18	29°32	S 15
S 16	4 4 59	0♐20'06	14°46	14° 8	13°34	16°56	0°51	27°58	28°45	14°19	7°45	14°44	13° 2	28°25	29°29	S 16
M17	4 8 56	1°21'04	27°10	15°37	14°33	17°42	0°42	28° 5	28°48	14°21	7°44	14°45	12°59	28°31	29°26	M17
T 18	4 12 52	2°22'03	9♎19	17° 6	15°34	18°27	0°34	28°11	28°50	14°24	7°43	14°R46	12°56	28°38	29°22	T 18
W19	4 16 49	3°23'04	21°18	18°36	16°35	19°13	0°26	28°17	28°52	14°26	7°42	14°46	12°53	28°45	29°19	W19
T 20	4 20 45	4°24'06	3♏10	20° 6	17°36	19°59	0°18	28°24	28°55	14°28	7°40	14°44	12°50	28°51	29°16	T 20
F 21	4 24 42	5°25'09	14°59	21°36	18°37	20°45	0°10	28°30	28°57	14°30	7°39	14°40	12°46	28°58	29°12	F 21
S 22	4 28 38	6°26'13	26°48	23° 7	19°39	21°30	0° 2	28°36	28°59	14°33	7°38	14°33	12°43	29° 5	29° 9	S 22
S 23	4 32 35	7°27'17	8♐38	24°39	20°42	22°16	29♉54	28°42	29° 2	14°35	7°37	14°24	12°40	29°11	29° 5	S 23
M24	4 36 32	8°28'23	20°32	26°10	21°45	23° 2	29°45	28°49	29° 4	14°37	7°36	14°13	12°37	29°18	29° 2	M24
T 25	4 40 28	9°29'29	2♑30	27°42	22°48	23°48	29°38	28°55	29° 7	14°39	7°35	14° 1	12°34	29°25	28°58	T 25
W26	4 44 25	10°30'36	14°34	29°14	23°51	24°34	29°30	29° 1	29° 9	14°42	7°33	13°50	12°30	29°31	28°54	W26
T 27	4 48 21	11°31'43	26°46	0♐46	24°55	25°20	29°22	29° 7	29°12	14°44	7°32	13°41	12°27	29°38	28°51	T 27
F 28	4 52 18	12°32'51	9♒ 7	2°18	25°59	26° 6	29°14	29°12	29°15	14°46	7°31	13°33	12°24	29°45	28°47	F 28
S 29	4 56 14	13°33'59	21°42	3°51	27° 4	26°52	29° 6	29°18	29°17	14°48	7°30	13°28	12°21	29°51	28°43	S 29
S 30	5 0 11	14♐35'08	4♓31	5♐23	28♎ 8	27♐39	28♉59	29♎24	29♑20	14♐51	7♊29	13♎26	12♎18	29♏58	28♊39	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s27	12s41	4n39	7s50	2n24	0n43	0n40	22s 1	0s41	19n56	0s54	8s 4	2n17	21s11	0s36	21s14	1n20	12n31	9s21	6s 1	5s29	16s 6	17n47	5s46
S 2	16 45	9 22	4 0	8 5	2 25	0 29	0 47	22 9	0 42	19 55	0 54	8 7	2 17	21 10	0 36	21 14	1 20	12 31	9 21	6 1	5 28	16 7	17 47	5 46
M 3	17 2	5 29	3 7	8 24	2 24	0 15	0 53	22 17	0 42	19 54	0 53	8 9	2 17	21 10	0 36	21 15	1 20	12 31	9 21	6 1	5 26	16 8	17 46	5 47
T 4	17 19	1 11	2 2	8 45	2 23	0s 0	1 0	22 25	0 43	19 52	0 53	8 11	2 17	21 10	0 36	21 15	1 20	12 30	9 21	6 2	5 25	16 9	17 46	5 47
W 5	17 36	3n20	0 48	9 10	2 21	0 16	1 6	22 33	0 43	19 51	0 53	8 14	2 17	21 9	0 36	21 15	1 20	12 30	9 21	6 3	5 24	16 10	17 45	5 48
T 6	17 52	7 48	0s32	9 36	2 18	0 31	1 12	22 40	0 44	19 49	0 53	8 16	2 17	21 9	0 36	21 15	1 20	12 30	9 21	6 3	5 23	16 10	17 45	5 48
F 7	18 8	11 53	1 51	10 4	2 14	0 48	1 18	22 48	0 44	19 48	0 53	8 19	2 17	21 8	0 35	21 16	1 20	12 30	9 21	6 2	5 21	16 11	17 44	5 48
S 8	18 24	15 14	3 4	10 33	2 10	1 4	1 23	22 55	0 45	19 46	0 53	8 21	2 17	21 8	0 35	21 16	1 20	12 30	9 21	6 1	5 20	16 12	17 44	5 49
S 9	18 40	17 31	4 4	11 4	2 5	1 21	1 29	23 1	0 45	19 45	0 53	8 23	2 17	21 8	0 35	21 16	1 20	12 29	9 21	5 59	5 19	16 13	17 44	5 49
M10	18 55	18 33	4 46	11 35	2 0	1 39	1 34	23 8	0 45	19 43	0 53	8 26	2 17	21 7	0 35	21 16	1 20	12 29	9 21	5 56	5 18	16 14	17 43	5 50
T 11	19 10	18 15	5 7	12 7	1 54	1 57	1 39	23 14	0 46	19 42	0 53	8 28	2 17	21 7	0 35	21 17	1 20	12 29	9 21	5 54	5 16	16 15	17 43	5 50
W12	19 24	16 46	5 8	12 39	1 48	2 15	1 44	23 20	0 46	19 40	0 53	8 30	2 17	21 6	0 35	21 17	1 20	12 29	9 21	5 52	5 15	16 16	17 42	5 50
T 13	19 38	14 19	4 51	13 12	1 42	2 34	1 48	23 26	0 47	19 39	0 52	8 33	2 18	21 6	0 35	21 17	1 20	12 29	9 21	5 50	5 14	16 16	17 42	5 51
F 14	19 52	11 8	4 17	13 45	1 36	2 52	1 53	23 32	0 47	19 37	0 52	8 35	2 18	21 5	0 35	21 18	1 20	12 29	9 21	5 50	5 13	16 17	17 42	5 51
S 15	20 6	7 31	3 31	14 18	1 29	3 12	1 57	23 37	0 48	19 36	0 52	8 37	2 18	21 5	0 35	21 18	1 20	12 28	9 21	5 49	5 11	16 18	17 41	5 52
S 16	20 19	3 38	2 35	14 51	1 22	3 31	2 1	23 42	0 48	19 34	0 52	8 39	2 18	21 5	0 35	21 18	1 20	12 28	9 21	5 50	5 10	16 19	17 41	5 52
M17	20 31	0s18	1 34	15 23	1 15	3 51	2 5	23 47	0 49	19 33	0 52	8 41	2 18	21 4	0 35	21 18	1 20	12 28	9 21	5 50	5 9	16 20	17 40	5 52
T 18	20 44	4 10	0 30	15 56	1 8	4 11	2 8	23 51	0 49	19 31	0 52	8 44	2 18	21 4	0 35	21 19	1 20	12 28	9 21	5 51	5 8	16 21	17 40	5 53
W19	20 56	7 48	0n35	16 28	1 1	4 31	2 12	23 56	0 49	19 29	0 52	8 46	2 18	21 3	0 35	21 19	1 20	12 28	9 21	5 51	5 6	16 22	17 40	5 53
T 20	21 7	11 6	1 38	16 59	0 54	4 51	2 15	24 0	0 50	19 28	0 52	8 48	2 18	21 3	0 35	21 19	1 20	12 28	9 21	5 50	5 5	16 22	17 39	5 53
F 21	21 18	13 56	2 35	17 30	0 47	5 12	2 18	24 3	0 50	19 26	0 51	8 50	2 18	21 2	0 35	21 20	1 20	12 28	9 21	5 48	5 4	16 23	17 39	5 54
S 22	21 29	16 11	3 26	18 0	0 39	5 33	2 21	24 7	0 51	19 25	0 51	8 52	2 19	21 2	0 35	21 20	1 19	12 27	9 21	5 45	5 3	16 24	17 39	5 54
S 23	21 39	17 45	4 8	18 30	0 32	5 54	2 24	24 10	0 51	19 23	0 51	8 54	2 19	21 1	0 35	21 20	1 19	12 27	9 21	5 42	5 2	16 25	17 38	5 54
M24	21 49	18 34	4 39	18 59	0 25	6 15	2 26	24 13	0 52	19 22	0 51	8 56	2 19	21 0	0 35	21 20	1 19	12 27	9 21	5 38	5 0	16 26	17 38	5 55
T 25	21 58	18 33	4 59	19 27	0 18	6 36	2 29	24 16	0 52	19 20	0 51	8 58	2 19	21 0	0 35	21 21	1 19	12 27	9 20	5 33	4 59	16 27	17 38	5 55
W26	22 7	17 42	5 5	19 54	0 11	6 57	2 31	24 18	0 52	19 19	0 51	9 0	2 19	20 59	0 35	21 21	1 19	12 27	9 20	5 29	4 58	16 27	17 37	5 55
T 27	22 16	16 2	4 57	20 20	0 4	7 19	2 33	24 20	0 53	19 17	0 50	9 2	2 19	20 59	0 35	21 21	1 19	12 27	9 20	5 25	4 57	16 28	17 37	5 55
F 28	22 24	13 38	4 35	20 46	0s 3	7 40	2 35	24 22	0 53	19 15	0 50	9 4	2 19	20 58	0 35	21 21	1 19	12 27	9 20	5 22	4 55	16 29	17 37	5 56
S 29	22 32	10 33	4 0	21 11	0 10	8 2	2 37	24 24	0 53	19 14	0 50	9 6	2 20	20 58	0 35	21 22	1 19	12 26	9 20	5 20	4 54	16 30	17 37	5 56
S 30	22s39	6s55	3n12	21s34	0s17	8s24	2n38	24s25	0s54	19n13	0s50	9s 8	2n20	20s57	0s35	21s22	1n19	12n26	9s20	5s19	4s53	16s31	17n36	5s56

Julian Day Number = 2144321.5, Delta T = 14m56s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'44, Lahiri = 12°07'45 Julian Calendar 1 Nov. 1158 == Greg. Calendar 8 Nov. 1158

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ASTRODIENST EPHEMERIS for the year 1158
geocentric

DECEMBER 1158 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 4 7	15♐36'16	17♓41	6♐56	29♎13	28♐25	28°R51	29♎30	29♑23	14♐53	7°R28	13°D25	12♎15	0♐ 5	28°R35	M 1
T 2	5 8 4	16°37'25	1♈12	8°29	0♏19	29°11	28♉44	29°35	29°26	14°55	7♊26	13♎26	12°11	0°12	28♊32	T 2
W 3	5 12 1	17°38'34	15° 9	10° 2	1°24	29°57	28°36	29°41	29°28	14°57	7°25	13°R26	12° 8	0°18	28°28	W 3
T 4	5 15 57	18°39'43	29°31	11°36	2°30	0♑44	28°29	29°47	29°31	15° 0	7°24	13°25	12° 5	0°25	28°24	T 4
F 5	5 19 54	19°40'53	14♉17	13° 9	3°36	1°30	28°22	29°52	29°34	15° 2	7°23	13°22	12° 2	0°32	28°20	F 5
S 6	5 23 50	20°42'02	29°21	14°43	4°42	2°16	28°15	29°57	29°37	15° 4	7°22	13°16	11°59	0°38	28°16	S 6
S 7	5 27 47	21°43'12	14♊36	16°17	5°49	3° 3	28° 8	0♏ 3	29°40	15° 7	7°21	13° 7	11°56	0°45	28°12	S 7
M 8	5 31 43	22°44'22	29°51	17°51	6°56	3°49	28° 1	0° 8	29°43	15° 9	7°20	12°57	11°52	0°52	28° 8	M 8
T 9	5 35 40	23°45'32	14♋54	19°26	8° 3	4°36	27°55	0°13	29°46	15°11	7°19	12°46	11°49	0°58	28° 4	T 9
W10	5 39 36	24°46'42	29°36	21° 1	9°10	5°22	27°48	0°18	29°49	15°13	7°17	12°35	11°46	1° 5	28° 0	W10
T 11	5 43 33	25°47'53	13♌50	22°36	10°17	6° 9	27°42	0°24	29°52	15°16	7°16	12°27	11°43	1°12	27°56	T 11
F 12	5 47 30	26°49'04	27°34	24°11	11°25	6°56	27°35	0°29	29°55	15°18	7°15	12°21	11°40	1°18	27°52	F 12
S 13	5 51 26	27°50'15	10♍48	25°47	12°33	7°42	27°29	0°34	29°58	15°20	7°14	12°18	11°36	1°25	27°48	S 13
S 14	5 55 23	28°51'27	23°35	27°23	13°41	8°29	27°23	0°38	0♒ 1	15°22	7°13	12°17	11°33	1°32	27°44	S 14
M15	5 59 19	29°52'39	6♎ 0	28°59	14°49	9°16	27°17	0°43	0° 4	15°24	7°12	12°17	11°30	1°39	27°40	M15
T 16	6 3 16	0♑53'51	18° 8	0♑36	15°58	10° 2	27°12	0°48	0° 7	15°27	7°11	12°17	11°27	1°45	27°36	T 16
W17	6 7 12	1°55'03	0♏ 4	2°13	17° 6	10°49	27° 6	0°53	0°10	15°29	7°10	12°15	11°24	1°52	27°32	W17
T 18	6 11 9	2°56'15	11°53	3°51	18°15	11°36	27° 1	0°57	0°14	15°31	7° 9	12°12	11°21	1°59	27°28	T 18
F 19	6 15 5	3°57'28	23°41	5°29	19°24	12°23	26°56	1° 2	0°17	15°33	7° 8	12° 6	11°17	2° 5	27°24	F 19
S 20	6 19 2	4°58'40	5♐30	7° 7	20°33	13°10	26°51	1° 6	0°20	15°35	7° 7	11°56	11°14	2°12	27°20	S 20
S 21	6 22 59	5°59'53	17°24	8°46	21°42	13°57	26°46	1°10	0°23	15°38	7° 6	11°44	11°11	2°19	27°16	S 21
M22	6 26 55	7° 1'05	29°24	10°25	22°52	14°44	26°41	1°15	0°27	15°40	7° 5	11°30	11° 8	2°25	27°12	M22
T 23	6 30 52	8° 2'17	11♑31	12° 5	24° 1	15°31	26°37	1°19	0°30	15°42	7° 4	11°15	11° 5	2°32	27° 8	T 23
W24	6 34 48	9° 3'28	23°48	13°44	25°11	16°18	26°33	1°23	0°33	15°44	7° 3	11° 0	11° 2	2°39	27° 5	W24
T 25	6 38 45	10° 4'39	6♒13	15°25	26°21	17° 5	26°29	1°27	0°37	15°46	7° 2	10°47	10°58	2°45	27° 1	T 25
F 26	6 42 41	11° 5'50	18°47	17° 6	27°31	17°52	26°25	1°31	0°40	15°48	7° 1	10°36	10°55	2°52	26°57	F 26
S 27	6 46 38	12° 6'59	1♓32	18°47	28°41	18°39	26°21	1°35	0°43	15°50	7° 0	10°29	10°52	2°59	26°53	S 27
S 28	6 50 35	13° 8'08	14°30	20°28	29°51	19°26	26°17	1°39	0°47	15°52	6°59	10°25	10°49	3° 6	26°49	S 28
M29	6 54 31	14° 9'16	27°41	22°10	1♑ 1	20°13	26°14	1°42	0°50	15°54	6°58	10°23	10°46	3°12	26°45	M29
T 30	6 58 28	15°10'24	11♈ 9	23°52	2°11	21° 0	26°11	1°46	0°53	15°57	6°57	10°22	10°42	3°19	26°42	T 30
W31	7 2 24	16♑11'30	24♈55	25♑34	3♑22	21♑47	26♉ 8	1♏49	0♒57	15♐59	6♊56	10♎22	10♎39	3♐26	26♊38	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s46	2s51	2n13	21s57	0s24	8s45	2n40	24s26	0s54	19n11	0s50	9s10	2n20	20s57	0s35	21s22	1n19	12n26	9s20	5s19	4s52	16s31	17n36	5s56
T 2	22 52	1n28	1 5	22 19	0 30	9 7	2 41	24 27	0 55	19 10	0 49	9 12	2 20	20 56	0 35	21 22	1 19	12 26	9 20	5 19	4 50	16 32	17 36	5 57
W 3	22 58	5 51	0s 9	22 39	0 37	9 29	2 42	24 28	0 55	19 8	0 49	9 13	2 20	20 55	0 35	21 23	1 19	12 26	9 20	5 20	4 49	16 33	17 35	5 57
T 4	23 4	10 2	1 25	22 59	0 43	9 50	2 43	24 28	0 55	19 7	0 49	9 15	2 20	20 55	0 35	21 23	1 19	12 26	9 20	5 19	4 48	16 34	17 35	5 57
F 5	23 9	13 42	2 36	23 17	0 49	10 12	2 44	24 28	0 56	19 5	0 49	9 17	2 20	20 54	0 35	21 23	1 19	12 26	9 20	5 18	4 47	16 35	17 35	5 57
S 6	23 13	16 33	3 39	23 35	0 55	10 34	2 45	24 28	0 56	19 4	0 49	9 19	2 21	20 53	0 35	21 23	1 19	12 26	9 20	5 15	4 45	16 35	17 35	5 57
S 7	23 17	18 15	4 26	23 51	1 1	10 55	2 45	24 27	0 56	19 3	0 48	9 20	2 21	20 53	0 35	21 24	1 19	12 26	9 20	5 12	4 44	16 36	17 35	5 58
M 8	23 21	18 38	4 54	24 5	1 6	11 17	2 46	24 26	0 57	19 1	0 48	9 22	2 21	20 52	0 35	21 24	1 19	12 26	9 19	5 8	4 43	16 37	17 34	5 58
T 9	23 24	17 42	5 2	24 19	1 12	11 38	2 46	24 25	0 57	19 0	0 48	9 24	2 21	20 52	0 35	21 24	1 19	12 26	9 19	5 4	4 42	16 38	17 34	5 58
W10	23 27	15 37	4 49	24 31	1 17	11 59	2 46	24 23	0 57	18 59	0 48	9 25	2 21	20 51	0 35	21 24	1 19	12 25	9 19	5 0	4 40	16 39	17 34	5 58
T 11	23 29	12 37	4 18	24 42	1 22	12 20	2 46	24 22	0 58	18 58	0 48	9 27	2 21	20 50	0 35	21 25	1 19	12 25	9 19	4 56	4 39	16 39	17 34	5 58
F 12	23 30	9 2	3 34	24 52	1 27	12 41	2 46	24 20	0 58	18 56	0 47	9 29	2 22	20 50	0 35	21 25	1 19	12 25	9 19	4 54	4 38	16 40	17 34	5 58
S 13	23 32	5 6	2 39	25 0	1 32	13 2	2 46	24 17	0 58	18 55	0 47	9 30	2 22	20 49	0 35	21 25	1 19	12 25	9 19	4 53	4 37	16 41	17 33	5 58
S 14	23 32	1 4	1 38	25 7	1 36	13 23	2 46	24 15	0 58	18 54	0 47	9 32	2 22	20 48	0 35	21 25	1 19	12 25	9 19	4 52	4 35	16 42	17 33	5 58
M15	23 33	2s54	0 33	25 13	1 40	13 44	2 45	24 12	0 59	18 53	0 47	9 33	2 22	20 48	0 35	21 26	1 19	12 25	9 19	4 52	4 34	16 42	17 33	5 58
T 16	23 33	6 40	0n31	25 17	1 44	14 4	2 44	24 9	0 59	18 52	0 47	9 35	2 22	20 47	0 35	21 26	1 19	12 25	9 19	4 52	4 33	16 43	17 33	5 59
W17	23 32	10 6	1 33	25 19	1 48	14 24	2 44	24 5	0 59	18 51	0 46	9 36	2 23	20 46	0 35	21 26	1 19	12 25	9 18	4 52	4 32	16 44	17 33	5 59
T 18	23 31	13 5	2 30	25 20	1 51	14 44	2 43	24 2	1 0	18 50	0 46	9 38	2 23	20 46	0 35	21 26	1 19	12 25	9 18	4 50	4 30	16 45	17 33	5 59
F 19	23 29	15 33	3 20	25 20	1 54	15 4	2 42	23 58	1 0	18 49	0 46	9 39	2 23	20 45	0 35	21 27	1 19	12 25	9 18	4 48	4 29	16 46	17 33	5 59
S 20	23 27	17 21	4 2	25 18	1 57	15 23	2 41	23 53	1 0	18 48	0 46	9 40	2 23	20 44	0 35	21 27	1 19	12 25	9 18	4 44	4 28	16 46	17 32	5 59
S 21	23 25	18 24	4 33	25 14	1 59	15 42	2 40	23 49	1 0	18 47	0 45	9 42	2 23	20 43	0 35	21 27	1 19	12 25	9 18	4 40	4 27	16 47	17 32	5 59
M22	23 22	18 40	4 53	25 9	2 1	16 1	2 38	23 44	1 1	18 46	0 45	9 43	2 24	20 43	0 35	21 27	1 19	12 25	9 18	4 34	4 25	16 48	17 32	5 59
T 23	23 18	18 4	4 59	25 2	2 3	16 19	2 37	23 39	1 1	18 45	0 45	9 44	2 24	20 42	0 35	21 27	1 19	12 25	9 18	4 28	4 24	16 49	17 32	5 59
W24	23 14	16 39	4 52	24 53	2 4	16 38	2 36	23 33	1 1	18 45	0 45	9 45	2 24	20 41	0 35	21 28	1 19	12 25	9 17	4 22	4 23	16 49	17 32	5 59
T 25	23 10	14 26	4 31	24 43	2 5	16 56	2 34	23 28	1 1	18 44	0 44	9 47	2 24	20 41	0 35	21 28	1 19	12 25	9 17	4 17	4 22	16 50	17 32	5 59
F 26	23 5	11 31	3 56	24 31	2 6	17 13	2 32	23 22	1 2	18 43	0 44	9 48	2 24	20 40	0 35	21 28	1 19	12 25	9 17	4 13	4 20	16 51	17 32	5 59
S 27	22 59	8 1	3 10	24 18	2 6	17 30	2 31	23 16	1 2	18 43	0 44	9 49	2 25	20 39	0 35	21 28	1 19	12 25	9 17	4 10	4 19	16 51	17 32	5 59
S 28	22 54	4 6	2 12	24 2	2 5	17 47	2 29	23 9	1 2	18 42	0 44	9 50	2 25	20 38	0 35	21 29	1 19	12 25	9 17	4 8	4 18	16 52	17 32	5 59
M29	22 47	0n 5	1 7	23 45	2 4	18 4	2 27	23 2	1 2	18 42	0 43	9 51	2 25	20 38	0 35	21 29	1 19	12 25	9 17	4 8	4 17	16 53	17 32	5 59
T 30	22 41	4 22	0s 4	23 27	2 3	18 20	2 25	22 55	1 2	18 41	0 43	9 52	2 25	20 37	0 35	21 29	1 20	12 25	9 16	4 8	4 15	16 54	17 32	5 58
W31	22s34	8n30	1s16	23s 6	2s 1	18s35	2n23	22s48	1s 3	18n41	0s43	9s53	2n25	20s36	0s35	21s29	1n20	12n25	9s16	4s 7	4s14	16s54	17n32	5s58

Julian Day Number = 2144351.5, Delta T = 14m55s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'48, Lahiri = 12°07'49 Julian Calendar 1 Dec. 1158 == Greg. Calendar 8 Dec. 1158

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

JANUARY 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 6 21	17♑12'35	9♉ 1	27♑16	4♐32	22♑34	26°R 5	1♏53	1♒ 0	16♐ 1	6°R56	10°R21	10♎36	3♐32	26°R34	T 1
F 2	7 10 17	18°13'40	23°26	28°59	5°43	23°22	26♉ 3	1°56	1° 4	16° 3	6♊55	10♎17	10°33	3°39	26♊31	F 2
S 3	7 14 14	19°14'43	8♊ 8	0♒41	6°54	24° 9	26° 0	1°59	1° 7	16° 5	6°54	10°11	10°30	3°46	26°27	S 3
S 4	7 18 10	20°15'46	23° 2	2°22	8° 5	24°56	25°58	2° 2	1°11	16° 7	6°53	10° 2	10°27	3°52	26°24	S 4
M 5	7 22 7	21°16'47	7♋59	4° 4	9°15	25°43	25°56	2° 5	1°14	16° 8	6°52	9°51	10°23	3°59	26°20	M 5
T 6	7 26 4	22°17'48	22°50	5°45	10°27	26°31	25°55	2° 8	1°17	16°10	6°51	9°39	10°20	4° 6	26°17	T 6
W 7	7 30 0	23°18'48	7♌26	7°24	11°38	27°18	25°53	2°11	1°21	16°12	6°51	9°28	10°17	4°12	26°13	W 7
T 8	7 33 57	24°19'46	21°40	9° 3	12°49	28° 5	25°52	2°14	1°24	16°14	6°50	9°19	10°14	4°19	26°10	T 8
F 9	7 37 53	25°20'44	5♍27	10°40	14° 0	28°52	25°51	2°17	1°28	16°16	6°49	9°12	10°11	4°26	26° 6	F 9
S 10	7 41 50	26°21'41	18°47	12°15	15°11	29°40	25°50	2°19	1°31	16°18	6°49	9° 8	10° 8	4°33	26° 3	S 10
S 11	7 45 46	27°22'38	1♎39	13°48	16°23	0♒27	25°49	2°22	1°35	16°20	6°48	9° 6	10° 4	4°39	26° 0	S 11
M12	7 49 43	28°23'33	14° 9	15°18	17°34	1°14	25°49	2°24	1°38	16°22	6°47	9°D 6	10° 1	4°46	25°57	M12
T 13	7 53 39	29°24'28	26°21	16°44	18°46	2° 2	25°48	2°26	1°42	16°23	6°46	9°R 6	9°58	4°53	25°54	T 13
W14	7 57 36	0♒25'22	8♏19	18° 7	19°58	2°49	25°D48	2°28	1°45	16°25	6°46	9° 6	9°55	4°59	25°51	W14
T 15	8 1 33	1°26'15	20°11	19°25	21° 9	3°36	25°48	2°31	1°49	16°27	6°45	9° 4	9°52	5° 6	25°48	T 15
F 16	8 5 29	2°27'07	1♐59	20°37	22°21	4°24	25°49	2°33	1°52	16°29	6°45	9° 0	9°48	5°13	25°45	F 16
S 17	8 9 26	3°27'58	13°51	21°43	23°33	5°11	25°49	2°34	1°56	16°30	6°44	8°53	9°45	5°19	25°42	S 17
S 18	8 13 22	4°28'48	25°48	22°42	24°45	5°59	25°50	2°36	1°59	16°32	6°43	8°43	9°42	5°26	25°39	S 18
M19	8 17 19	5°29'37	7♑55	23°34	25°57	6°46	25°51	2°38	2° 3	16°34	6°43	8°32	9°39	5°33	25°36	M19
T 20	8 21 15	6°30'25	20°12	24°17	27° 9	7°33	25°52	2°39	2° 6	16°35	6°42	8°20	9°36	5°40	25°34	T 20
W21	8 25 12	7°31'12	2♒42	24°51	28°21	8°21	25°53	2°41	2°10	16°37	6°42	8° 8	9°33	5°46	25°31	W21
T 22	8 29 8	8°31'57	15°24	25°15	29°33	9° 8	25°55	2°42	2°13	16°38	6°41	7°57	9°29	5°53	25°28	T 22
F 23	8 33 5	9°32'41	28°18	25°28	0♑45	9°56	25°57	2°44	2°17	16°40	6°41	7°49	9°26	6° 0	25°26	F 23
S 24	8 37 2	10°33'23	11♓24	25°R32	1°57	10°43	25°59	2°45	2°20	16°42	6°41	7°43	9°23	6° 6	25°24	S 24
S 25	8 40 58	11°34'03	24°40	25°24	3°10	11°30	26° 1	2°46	2°24	16°43	6°40	7°40	9°20	6°13	25°21	S 25
M26	8 44 55	12°34'42	8♈ 7	25° 6	4°22	12°18	26° 3	2°47	2°27	16°45	6°40	7°D39	9°17	6°20	25°19	M26
T 27	8 48 51	13°35'19	21°44	24°38	5°34	13° 5	26° 5	2°48	2°31	16°46	6°39	7°40	9°13	6°26	25°17	T 27
W28	8 52 48	14°35'55	5♉34	24° 0	6°47	13°53	26° 8	2°48	2°34	16°47	6°39	7°41	9°10	6°33	25°15	W28
T 29	8 56 44	15°36'28	19°34	23°14	7°59	14°40	26°11	2°49	2°38	16°49	6°39	7°R41	9° 7	6°40	25°13	T 29
F 30	9 0 41	16°37'00	3♊46	22°21	9°11	15°27	26°14	2°50	2°41	16°50	6°38	7°40	9° 4	6°47	25°11	F 30
S 31	9 4 37	17♒37'30	18♊ 7	21♒21	10♑24	16♒15	26♉18	2♏50	2♒44	16♐52	6♊38	7♎36	9♎ 1	6♐53	25♊ 9	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s26	12n16	2s25	22s44	1s58	18s50	2n20	22s41	1s 3	18n40	0s43	9s54	2n26	20s35	0s35	21s29	1n20	12n25	9s16	4s 7	4s13	16s55	17n32	5s58
F 2	22 18	15 23	3 27	22 20	1 55	19 5	2 18	22 33	1 3	18 40	0 42	9 55	2 26	20 35	0 35	21 30	1 20	12 25	9 16	4 6	4 12	16 56	17 32	5 58
S 3	22 9	17 33	4 16	21 55	1 52	19 19	2 16	22 25	1 3	18 40	0 42	9 56	2 26	20 34	0 35	21 30	1 20	12 25	9 16	4 3	4 10	16 57	17 32	5 58
S 4	22 1	18 34	4 48	21 27	1 47	19 33	2 13	22 16	1 3	18 39	0 42	9 57	2 26	20 33	0 35	21 30	1 20	12 25	9 16	3 59	4 9	16 57	17 32	5 58
M 5	21 51	18 18	5 1	20 59	1 42	19 47	2 11	22 8	1 3	18 39	0 42	9 58	2 27	20 32	0 35	21 30	1 20	12 25	9 15	3 55	4 8	16 58	17 32	5 58
T 6	21 42	16 47	4 53	20 29	1 36	20 0	2 8	21 59	1 3	18 39	0 41	9 58	2 27	20 32	0 35	21 30	1 20	12 25	9 15	3 50	4 7	16 59	17 32	5 58
W 7	21 31	14 12	4 26	19 57	1 30	20 12	2 6	21 50	1 4	18 39	0 41	9 59	2 27	20 31	0 35	21 30	1 20	12 25	9 15	3 46	4 5	16 59	17 32	5 58
T 8	21 21	10 49	3 43	19 24	1 23	20 24	2 3	21 41	1 4	18 39	0 41	10 0	2 27	20 30	0 35	21 31	1 20	12 26	9 15	3 42	4 4	17 0	17 32	5 57
F 9	21 10	6 57	2 48	18 50	1 15	20 35	2 0	21 31	1 4	18 39	0 41	10 1	2 28	20 29	0 35	21 31	1 20	12 26	9 15	3 40	4 3	17 1	17 32	5 57
S 10	20 58	2 50	1 46	18 15	1 6	20 46	1 58	21 21	1 4	18 39	0 40	10 1	2 28	20 28	0 35	21 31	1 20	12 26	9 14	3 38	4 2	17 1	17 32	5 57
S 11	20 47	1s16	0 39	17 39	0 56	20 56	1 55	21 11	1 4	18 39	0 40	10 2	2 28	20 28	0 35	21 31	1 20	12 26	9 14	3 37	4 0	17 2	17 32	5 57
M12	20 34	5 12	0n27	17 3	0 45	21 6	1 52	21 1	1 4	18 39	0 40	10 2	2 28	20 27	0 35	21 31	1 20	12 26	9 14	3 37	3 59	17 3	17 33	5 57
T 13	20 22	8 48	1 30	16 26	0 34	21 15	1 49	20 50	1 4	18 39	0 40	10 3	2 28	20 26	0 35	21 31	1 20	12 26	9 14	3 37	3 58	17 4	17 33	5 56
W14	20 9	12 0	2 29	15 49	0 22	21 24	1 46	20 40	1 4	18 39	0 39	10 3	2 29	20 25	0 35	21 32	1 20	12 26	9 14	3 37	3 57	17 4	17 33	5 56
T 15	19 56	14 39	3 20	15 12	0 9	21 32	1 43	20 29	1 4	18 40	0 39	10 4	2 29	20 25	0 35	21 32	1 20	12 26	9 13	3 36	3 55	17 5	17 33	5 56
F 16	19 42	16 41	4 3	14 36	0n 5	21 40	1 40	20 17	1 5	18 40	0 39	10 4	2 29	20 24	0 35	21 32	1 20	12 26	9 13	3 35	3 54	17 6	17 33	5 56
S 17	19 28	18 1	4 35	14 1	0 20	21 46	1 37	20 6	1 5	18 40	0 39	10 5	2 29	20 23	0 35	21 32	1 20	12 26	9 13	3 32	3 53	17 6	17 33	5 56
S 18	19 14	18 33	4 55	13 27	0 35	21 53	1 34	19 54	1 5	18 41	0 39	10 5	2 30	20 22	0 35	21 32	1 20	12 27	9 13	3 28	3 52	17 7	17 33	5 55
M19	18 59	18 16	5 3	12 55	0 51	21 58	1 31	19 43	1 5	18 41	0 38	10 6	2 30	20 21	0 35	21 32	1 20	12 27	9 13	3 24	3 50	17 8	17 33	5 55
T 20	18 44	17 8	4 57	12 26	1 7	22 3	1 27	19 30	1 5	18 42	0 38	10 6	2 30	20 21	0 35	21 32	1 20	12 27	9 12	3 19	3 49	17 8	17 34	5 55
W21	18 28	15 10	4 36	11 59	1 24	22 8	1 24	19 18	1 5	18 42	0 38	10 6	2 30	20 20	0 35	21 33	1 20	12 27	9 12	3 14	3 48	17 9	17 34	5 55
T 22	18 13	12 26	4 2	11 35	1 41	22 12	1 21	19 6	1 5	18 43	0 38	10 6	2 31	20 19	0 35	21 33	1 20	12 27	9 12	3 10	3 47	17 10	17 34	5 54
F 23	17 57	9 5	3 14	11 14	1 58	22 15	1 18	18 53	1 5	18 43	0 37	10 7	2 31	20 18	0 35	21 33	1 20	12 27	9 12	3 7	3 45	17 10	17 34	5 54
S 24	17 40	5 14	2 16	10 58	2 14	22 18	1 14	18 40	1 5	18 44	0 37	10 7	2 31	20 17	0 35	21 33	1 20	12 27	9 11	3 5	3 44	17 11	17 34	5 54
S 25	17 23	1 4	1 9	10 45	2 30	22 19	1 11	18 27	1 5	18 45	0 37	10 7	2 31	20 17	0 35	21 33	1 20	12 28	9 11	3 3	3 43	17 12	17 35	5 53
M26	17 6	3n12	0s 2	10 37	2 45	22 21	1 8	18 14	1 5	18 46	0 37	10 7	2 32	20 16	0 35	21 33	1 20	12 28	9 11	3 3	3 42	17 12	17 35	5 53
T 27	16 49	7 21	1 15	10 33	2 59	22 21	1 4	18 0	1 5	18 46	0 36	10 7	2 32	20 15	0 35	21 33	1 20	12 28	9 11	3 3	3 40	17 13	17 35	5 53
W28	16 32	11 10	2 24	10 34	3 12	22 21	1 1	17 46	1 5	18 47	0 36	10 7	2 32	20 14	0 35	21 33	1 20	12 28	9 11	3 4	3 39	17 13	17 35	5 52
T 29	16 14	14 24	3 26	10 39	3 23	22 21	0 58	17 32	1 5	18 48	0 36	10 7	2 32	20 14	0 35	21 34	1 20	12 28	9 10	3 4	3 38	17 14	17 36	5 52
F 30	15 56	16 49	4 15	10 47	3 32	22 19	0 54	17 18	1 5	18 49	0 36	10 7	2 33	20 13	0 35	21 34	1 20	12 28	9 10	3 3	3 37	17 15	17 36	5 52
S 31	15s37	18n12	4s50	11s 0	3n39	22s17	0n51	17s 4	1s 5	18n50	0s35	10s 7	2n33	20s12	0s35	21s34	1n20	12n29	9s10	3s 2	3s35	17s15	17n36	5s52

Julian Day Number = 2144382.5, Delta T = 14m55s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'53, Lahiri = 12°07'53 Julian Calendar 1 Jan. 1159 == Greg. Calendar 8 Jan. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

FEBRUARY 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 8 34	18♒37'57	2♋34	20°R18	11♉36	17♒ 2	26♉21	2♏50	2♒48	16♐53	6°R38	7°R30	8♎58	7♐ 0	25°R 7	S 1
M 2	9 12 31	19°38'23	17° 3	19♒12	12°49	17°50	26°25	2°51	2°51	16°54	6♊37	7♎23	8°54	7° 7	25♊ 5	M 2
T 3	9 16 27	20°38'48	1♌27	18° 5	14° 2	18°37	26°29	2°51	2°55	16°55	6°37	7°15	8°51	7°13	25° 4	T 3
W 4	9 20 24	21°39'10	15°41	16°59	15°14	19°24	26°33	2°R51	2°58	16°57	6°37	7° 8	8°48	7°20	25° 2	W 4
T 5	9 24 20	22°39'30	29°38	15°56	16°27	20°12	26°37	2°51	3° 1	16°58	6°37	7° 2	8°45	7°27	25° 1	T 5
F 6	9 28 17	23°39'49	13♍15	14°56	17°39	20°59	26°41	2°51	3° 5	16°59	6°37	6°57	8°42	7°33	24°59	F 6
S 7	9 32 13	24°40'06	26°30	14° 1	18°52	21°46	26°46	2°50	3° 8	17° 0	6°37	6°55	8°39	7°40	24°58	S 7
S 8	9 36 10	25°40'21	9♎22	13°12	20° 5	22°34	26°50	2°50	3°11	17° 1	6°36	6°D54	8°35	7°47	24°57	S 8
M 9	9 40 6	26°40'35	21°54	12°29	21°18	23°21	26°55	2°49	3°15	17° 2	6°36	6°55	8°32	7°54	24°56	M 9
T 10	9 44 3	27°40'48	4♏ 9	11°53	22°30	24° 8	27° 0	2°49	3°18	17° 3	6°36	6°57	8°29	8° 0	24°54	T 10
W11	9 47 59	28°40'58	16°11	11°24	23°43	24°56	27° 6	2°48	3°21	17° 4	6°36	6°58	8°26	8° 7	24°54	W11
T 12	9 51 56	29°41'07	28° 5	11° 2	24°56	25°43	27°11	2°47	3°24	17° 5	6°36	6°R59	8°23	8°14	24°53	T 12
F 13	9 55 53	0♓41'15	9♐56	10°47	26° 9	26°30	27°17	2°47	3°28	17° 6	6°D36	6°59	8°19	8°20	24°52	F 13
S 14	9 59 49	1°41'21	21°49	10°39	27°22	27°17	27°23	2°46	3°31	17° 7	6°36	6°56	8°16	8°27	24°51	S 14
S 15	10 3 46	2°41'25	3♑49	10°D38	28°35	28° 5	27°28	2°44	3°34	17° 8	6°36	6°53	8°13	8°34	24°50	S 15
M16	10 7 42	3°41'28	15°59	10°42	29°48	28°52	27°35	2°43	3°37	17° 9	6°36	6°48	8°10	8°41	24°50	M16
T 17	10 11 39	4°41'29	28°24	10°53	1♒ 1	29°39	27°41	2°42	3°40	17°10	6°36	6°42	8° 7	8°47	24°49	T 17
W18	10 15 35	5°41'28	11♒ 4	11°10	2°14	0♓26	27°47	2°41	3°43	17°11	6°37	6°37	8° 4	8°54	24°49	W18
T 19	10 19 32	6°41'25	24° 1	11°32	3°27	1°14	27°54	2°39	3°46	17°11	6°37	6°32	8° 0	9° 1	24°49	T 19
F 20	10 23 28	7°41'20	7♓14	11°58	4°40	2° 1	28° 1	2°38	3°49	17°12	6°37	6°28	7°57	9° 7	24°49	F 20
S 21	10 27 25	8°41'13	20°43	12°30	5°53	2°48	28° 7	2°36	3°52	17°13	6°37	6°26	7°54	9°14	24°48	S 21
S 22	10 31 22	9°41'04	4♈25	13° 6	7° 6	3°35	28°14	2°34	3°55	17°13	6°37	6°D25	7°51	9°21	24°D48	S 22
M23	10 35 18	10°40'53	18°18	13°46	8°19	4°22	28°22	2°32	3°58	17°14	6°37	6°25	7°48	9°27	24°49	M23
T 24	10 39 15	11°40'40	2♉18	14°30	9°32	5° 9	28°29	2°30	4° 1	17°15	6°38	6°26	7°45	9°34	24°49	T 24
W25	10 43 11	12°40'25	16°25	15°17	10°45	5°56	28°36	2°28	4° 4	17°15	6°38	6°28	7°41	9°41	24°49	W25
T 26	10 47 8	13°40'07	0♊34	16° 8	11°58	6°43	28°44	2°26	4° 7	17°16	6°38	6°29	7°38	9°48	24°49	T 26
F 27	10 51 4	14°39'47	14°46	17° 2	13°11	7°30	28°52	2°24	4°10	17°16	6°38	6°R30	7°35	9°54	24°50	F 27
S 28	10 55 1	15♓39'25	28♊57	17♒59	14♒24	8♓17	29♉ 0	2♏22	4♒13	17♐17	6♊39	6♎29	7♎32	10♐ 1	24♊50	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s18	18n25	5s 6	11s15	3n43	22s15	0n47	16s50	1s 5	18n51	0s35	10s 7	2n33	20s11	0s35	21s34	1n20	12n29	9s10	3s 0	3s34	17s16	17n36	5s51
M 2	15 0	17 27	5 3	11 33	3 46	22 12	0 44	16 35	1 5	18 52	0 35	10 7	2 33	20 10	0 35	21 34	1 20	12 29	9 9	2 57	3 33	17 17	17 37	5 51
T 3	14 40	15 22	4 41	11 53	3 46	22 8	0 41	16 20	1 5	18 53	0 35	10 7	2 34	20 10	0 35	21 34	1 20	12 29	9 9	2 54	3 32	17 17	17 37	5 51
W 4	14 21	12 22	4 1	12 15	3 44	22 3	0 37	16 5	1 5	18 55	0 35	10 6	2 34	20 9	0 35	21 34	1 20	12 29	9 9	2 51	3 30	17 18	17 37	5 50
T 5	14 1	8 43	3 8	12 38	3 40	21 58	0 34	15 50	1 5	18 56	0 34	10 6	2 34	20 8	0 35	21 34	1 20	12 30	9 9	2 48	3 29	17 19	17 38	5 50
F 6	13 42	4 42	2 5	13 1	3 34	21 52	0 31	15 35	1 5	18 57	0 34	10 6	2 34	20 7	0 35	21 34	1 20	12 30	9 8	2 46	3 28	17 19	17 38	5 49
S 7	13 21	0 32	0 56	13 24	3 26	21 46	0 27	15 20	1 5	18 58	0 34	10 5	2 35	20 7	0 35	21 34	1 20	12 30	9 8	2 45	3 26	17 20	17 38	5 49
S 8	13 1	3s31	0n13	13 47	3 17	21 39	0 24	15 4	1 4	19 0	0 34	10 5	2 35	20 6	0 35	21 34	1 21	12 30	9 8	2 45	3 25	17 20	17 38	5 49
M 9	12 41	7 19	1 21	14 9	3 6	21 31	0 21	14 48	1 4	19 1	0 33	10 5	2 35	20 5	0 35	21 35	1 21	12 30	9 8	2 45	3 24	17 21	17 39	5 48
T 10	12 20	10 43	2 23	14 30	2 55	21 22	0 17	14 33	1 4	19 2	0 33	10 4	2 35	20 4	0 35	21 35	1 21	12 31	9 7	2 46	3 23	17 22	17 39	5 48
W11	11 59	13 36	3 17	14 50	2 42	21 13	0 14	14 17	1 4	19 4	0 33	10 4	2 36	20 4	0 35	21 35	1 21	12 31	9 7	2 47	3 21	17 22	17 39	5 48
T 12	11 38	15 52	4 3	15 8	2 30	21 4	0 11	14 0	1 4	19 5	0 33	10 3	2 36	20 3	0 35	21 35	1 21	12 31	9 7	2 47	3 20	17 23	17 40	5 47
F 13	11 17	17 27	4 38	15 25	2 16	20 53	0 7	13 44	1 4	19 7	0 33	10 3	2 36	20 2	0 35	21 35	1 21	12 31	9 7	2 47	3 19	17 23	17 40	5 47
S 14	10 55	18 17	5 1	15 40	2 3	20 43	0 4	13 28	1 4	19 8	0 32	10 2	2 36	20 1	0 35	21 35	1 21	12 32	9 6	2 46	3 18	17 24	17 40	5 46
S 15	10 34	18 18	5 11	15 54	1 49	20 31	0 1	13 11	1 4	19 10	0 32	10 2	2 36	20 1	0 35	21 35	1 21	12 32	9 6	2 45	3 16	17 25	17 41	5 46
M16	10 12	17 29	5 8	16 6	1 35	20 19	0s 2	12 55	1 3	19 11	0 32	10 1	2 37	20 0	0 35	21 35	1 21	12 32	9 6	2 43	3 15	17 25	17 41	5 46
T 17	9 50	15 51	4 50	16 16	1 22	20 6	0 5	12 38	1 3	19 13	0 32	10 0	2 37	19 59	0 35	21 35	1 21	12 32	9 6	2 40	3 14	17 26	17 42	5 45
W18	9 28	13 24	4 18	16 24	1 8	19 53	0 8	12 21	1 3	19 15	0 31	10 0	2 37	19 59	0 35	21 35	1 21	12 33	9 5	2 38	3 13	17 26	17 42	5 45
T 19	9 6	10 15	3 31	16 31	0 55	19 39	0 11	12 4	1 3	19 16	0 31	9 59	2 37	19 58	0 35	21 35	1 21	12 33	9 5	2 36	3 11	17 27	17 42	5 45
F 20	8 43	6 31	2 33	16 36	0 42	19 25	0 14	11 47	1 3	19 18	0 31	9 58	2 38	19 57	0 35	21 35	1 21	12 33	9 5	2 35	3 10	17 27	17 43	5 44
S 21	8 21	2 23	1 25	16 39	0 30	19 10	0 17	11 30	1 3	19 20	0 31	9 58	2 38	19 56	0 35	21 35	1 21	12 33	9 5	2 34	3 9	17 28	17 43	5 44
S 22	7 58	1n56	0 11	16 41	0 17	18 55	0 20	11 12	1 2	19 22	0 31	9 57	2 38	19 56	0 35	21 35	1 21	12 34	9 5	2 33	3 8	17 29	17 44	5 43
M23	7 36	6 12	1s 5	16 41	0 6	18 38	0 23	10 55	1 2	19 23	0 30	9 56	2 38	19 55	0 35	21 35	1 21	12 34	9 4	2 34	3 6	17 29	17 44	5 43
T 24	7 13	10 10	2 18	16 39	0s 6	18 22	0 26	10 38	1 2	19 25	0 30	9 55	2 38	19 54	0 35	21 35	1 21	12 34	9 4	2 34	3 5	17 30	17 44	5 43
W25	6 50	13 35	3 23	16 36	0 17	18 5	0 29	10 20	1 2	19 27	0 30	9 54	2 39	19 54	0 35	21 35	1 21	12 35	9 4	2 35	3 4	17 30	17 45	5 42
T 26	6 27	16 12	4 15	16 31	0 27	17 47	0 32	10 2	1 2	19 29	0 30	9 53	2 39	19 53	0 35	21 35	1 21	12 35	9 4	2 35	3 3	17 31	17 45	5 42
F 27	6 4	17 49	4 53	16 24	0 38	17 29	0 34	9 45	1 1	19 31	0 30	9 52	2 39	19 52	0 35	21 35	1 21	12 35	9 3	2 35	3 1	17 31	17 46	5 41
S 28	5s41	18n20	5s12	16s16	0s47	17s11	0s37	9s27	1s 1	19n33	0s29	9s51	2n39	19s52	0s35	21s35	1n21	12n35	9s 3	2s35	3s 0	17s32	17n46	5s41

Julian Day Number = 2144413.5, Delta T = 14m55s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°00'57, Lahiri = 12°07'57 Julian Calendar 1 Feb. 1159 == Greg. Calendar 8 Feb. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

MARCH 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 58 57	16♓39'00	13♋ 5	18♒58	15♒37	9♓ 4	29♉ 8	2°R19	4♒16	17♐17	6♊39	6°R28	7♎29	10♐ 8	24♊51	S 1
M 2	11 2 54	17°38'33	27° 8	20° 1	16°51	9°51	29°16	2♏17	4°19	17°18	6°40	6♎25	7°25	10°14	24°51	M 2
T 3	11 6 51	18°38'04	11♌ 3	21° 6	18° 4	10°38	29°24	2°14	4°21	17°18	6°40	6°23	7°22	10°21	24°52	T 3
W 4	11 10 47	19°37'32	24°47	22°13	19°17	11°25	29°33	2°11	4°24	17°18	6°40	6°21	7°19	10°28	24°53	W 4
T 5	11 14 44	20°36'58	8♍18	23°22	20°30	12°12	29°41	2° 9	4°27	17°19	6°41	6°19	7°16	10°35	24°54	T 5
F 6	11 18 40	21°36'22	21°34	24°34	21°43	12°59	29°50	2° 6	4°29	17°19	6°41	6°17	7°13	10°41	24°55	F 6
S 7	11 22 37	22°35'44	4♎33	25°47	22°56	13°45	29°59	2° 3	4°32	17°19	6°42	6°D17	7°10	10°48	24°56	S 7
S 8	11 26 33	23°35'04	17°16	27° 3	24°10	14°32	0♊ 8	2° 0	4°35	17°19	6°42	6°17	7° 6	10°55	24°57	S 8
M 9	11 30 30	24°34'22	29°43	28°21	25°23	15°19	0°17	1°57	4°37	17°19	6°43	6°18	7° 3	11° 1	24°59	M 9
T 10	11 34 26	25°33'38	11♏56	29°40	26°36	16° 6	0°26	1°54	4°40	17°20	6°43	6°19	7° 0	11° 8	25° 0	T 10
W11	11 38 23	26°32'52	23°59	1♓ 1	27°49	16°52	0°35	1°51	4°42	17°20	6°44	6°20	6°57	11°15	25° 1	W11
T 12	11 42 19	27°32'04	5♐54	2°24	29° 2	17°39	0°45	1°47	4°45	17°20	6°44	6°21	6°54	11°21	25° 3	T 12
F 13	11 46 16	28°31'15	17°46	3°48	0♓16	18°25	0°54	1°44	4°47	17°R20	6°45	6°21	6°50	11°28	25° 5	F 13
S 14	11 50 13	29°30'23	29°40	5°15	1°29	19°12	1° 4	1°41	4°49	17°20	6°46	6°R22	6°47	11°35	25° 6	S 14
S 15	11 54 9	0♈29'30	11♑40	6°42	2°42	19°59	1°14	1°37	4°52	17°20	6°46	6°21	6°44	11°42	25° 8	S 15
M16	11 58 6	1°28'35	23°51	8°12	3°55	20°45	1°23	1°34	4°54	17°20	6°47	6°21	6°41	11°48	25°10	M16
T 17	12 2 2	2°27'38	6♒17	9°43	5° 9	21°31	1°33	1°30	4°56	17°20	6°48	6°21	6°38	11°55	25°12	T 17
W18	12 5 59	3°26'40	19° 1	11°15	6°22	22°18	1°43	1°26	4°58	17°19	6°48	6°20	6°35	12° 2	25°14	W18
T 19	12 9 55	4°25'39	2♓ 6	12°49	7°35	23° 4	1°54	1°23	5° 1	17°19	6°49	6°20	6°31	12° 8	25°16	T 19
F 20	12 13 52	5°24'37	15°32	14°25	8°49	23°51	2° 4	1°19	5° 3	17°19	6°50	6°20	6°28	12°15	25°18	F 20
S 21	12 17 48	6°23'32	29°19	16° 2	10° 2	24°37	2°14	1°15	5° 5	17°19	6°50	6°20	6°25	12°22	25°21	S 21
S 22	12 21 45	7°22'26	13♈25	17°41	11°15	25°23	2°25	1°11	5° 7	17°18	6°51	6°20	6°22	12°29	25°23	S 22
M23	12 25 42	8°21'17	27°45	19°21	12°28	26°10	2°35	1° 7	5° 9	17°18	6°52	6°20	6°19	12°35	25°25	M23
T 24	12 29 38	9°20'06	12♉14	21° 3	13°42	26°56	2°46	1° 3	5°11	17°18	6°53	6°19	6°16	12°42	25°28	T 24
W25	12 33 35	10°18'54	26°47	22°46	14°55	27°42	2°57	0°59	5°13	17°18	6°54	6°19	6°12	12°49	25°30	W25
T 26	12 37 31	11°17'39	11♊18	24°31	16° 8	28°28	3° 8	0°55	5°15	17°17	6°55	6°19	6° 9	12°55	25°33	T 26
F 27	12 41 28	12°16'21	25°42	26°17	17°22	29°14	3°19	0°51	5°17	17°17	6°55	6°18	6° 6	13° 2	25°36	F 27
S 28	12 45 24	13°15'02	9♋55	28° 5	18°35	0♈ 0	3°30	0°47	5°18	17°16	6°56	6°D18	6° 3	13° 9	25°39	S 28
S 29	12 49 21	14°13'40	23°57	29°54	19°48	0°46	3°41	0°42	5°20	17°16	6°57	6°18	6° 0	13°16	25°42	S 29
M30	12 53 17	15°12'16	7♌44	1♈45	21° 2	1°32	3°52	0°38	5°22	17°15	6°58	6°18	5°56	13°22	25°45	M30
T 31	12 57 14	16♈10'49	21♌17	3♈38	22♓15	2♈18	4♊ 3	0♏34	5♒24	17♐15	6♊59	6♎19	5♎53	13♐29	25♊48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s18	17n42	5s13	16s 6	0s57	16s51	0s40	9s 9	1s 1	19n35	0s29	9s50	2n39	19s51	0s35	21s35	1n21	12n36	9s 3	2s35	2s59	17s33	17n46	5s40
M 2	4 54	16 0	4 55	15 55	1 6	16 32	0 42	8 51	1 1	19 37	0 29	9 49	2 40	19 50	0 35	21 35	1 21	12 36	9 3	2 34	2 58	17 33	17 47	5 40
T 3	4 31	13 22	4 19	15 42	1 14	16 12	0 45	8 33	1 1	19 39	0 29	9 48	2 40	19 50	0 35	21 35	1 21	12 36	9 2	2 33	2 56	17 34	17 47	5 40
W 4	4 8	10 2	3 30	15 28	1 22	15 51	0 47	8 15	1 0	19 41	0 29	9 47	2 40	19 49	0 36	21 35	1 21	12 37	9 2	2 32	2 55	17 34	17 48	5 39
T 5	3 44	6 12	2 29	15 12	1 29	15 30	0 50	7 56	1 0	19 43	0 29	9 46	2 40	19 49	0 36	21 35	1 21	12 37	9 2	2 31	2 54	17 35	17 48	5 39
F 6	3 21	2 8	1 21	14 54	1 36	15 9	0 52	7 38	1 0	19 45	0 28	9 45	2 40	19 48	0 36	21 35	1 21	12 37	9 2	2 30	2 52	17 35	17 49	5 38
S 7	2 57	1s58	0 10	14 36	1 43	14 47	0 55	7 20	1 0	19 47	0 28	9 44	2 40	19 47	0 36	21 35	1 22	12 37	9 1	2 30	2 51	17 36	17 49	5 38
S 8	2 34	5 53	1n 0	14 15	1 49	14 25	0 57	7 2	0 59	19 49	0 28	9 43	2 41	19 47	0 36	21 35	1 22	12 38	9 1	2 30	2 50	17 36	17 50	5 38
M 9	2 10	9 27	2 6	13 54	1 55	14 3	0 59	6 43	0 59	19 51	0 28	9 41	2 41	19 46	0 36	21 35	1 22	12 38	9 1	2 31	2 49	17 37	17 50	5 37
T 10	1 46	12 33	3 5	13 31	2 0	13 40	1 1	6 25	0 59	19 53	0 28	9 40	2 41	19 46	0 36	21 35	1 22	12 38	9 1	2 31	2 47	17 37	17 50	5 37
W11	1 23	15 4	3 55	13 6	2 5	13 16	1 3	6 6	0 58	19 55	0 27	9 39	2 41	19 45	0 36	21 35	1 22	12 39	9 0	2 32	2 46	17 38	17 51	5 36
T 12	0 59	16 54	4 34	12 40	2 9	12 53	1 5	5 48	0 58	19 57	0 27	9 38	2 41	19 44	0 36	21 35	1 22	12 39	9 0	2 32	2 45	17 38	17 51	5 36
F 13	0 35	17 59	5 1	12 13	2 13	12 29	1 7	5 29	0 58	19 59	0 27	9 36	2 41	19 44	0 36	21 35	1 22	12 39	9 0	2 32	2 44	17 39	17 52	5 36
S 14	0 12	18 18	5 15	11 44	2 16	12 4	1 9	5 10	0 57	20 1	0 27	9 35	2 42	19 43	0 36	21 35	1 22	12 40	9 0	2 32	2 42	17 39	17 52	5 35
S 15	0n12	17 47	5 16	11 14	2 19	11 39	1 11	4 52	0 57	20 4	0 27	9 34	2 42	19 43	0 36	21 35	1 22	12 40	9 0	2 32	2 41	17 40	17 53	5 35
M16	0 35	16 28	5 3	10 43	2 21	11 14	1 13	4 33	0 57	20 6	0 27	9 32	2 42	19 42	0 36	21 35	1 22	12 40	8 59	2 32	2 40	17 40	17 53	5 34
T 17	0 59	14 21	4 35	10 10	2 23	10 49	1 14	4 14	0 56	20 8	0 26	9 31	2 42	19 42	0 36	21 35	1 22	12 41	8 59	2 32	2 39	17 41	17 54	5 34
W18	1 23	11 29	3 53	9 36	2 24	10 23	1 16	3 56	0 56	20 10	0 26	9 30	2 42	19 41	0 36	21 35	1 22	12 41	8 59	2 32	2 37	17 41	17 54	5 34
T 19	1 46	8 0	2 59	9 0	2 25	9 58	1 17	3 37	0 56	20 12	0 26	9 28	2 42	19 41	0 36	21 35	1 22	12 41	8 59	2 31	2 36	17 42	17 55	5 33
F 20	2 10	4 0	1 53	8 24	2 25	9 31	1 19	3 18	0 55	20 15	0 26	9 27	2 42	19 40	0 36	21 35	1 22	12 42	8 58	2 31	2 35	17 42	17 55	5 33
S 21	2 33	0n19	0 39	7 46	2 25	9 5	1 20	2 59	0 55	20 17	0 26	9 25	2 42	19 40	0 36	21 35	1 22	12 42	8 58	2 31	2 34	17 43	17 56	5 32
S 22	2 56	4 43	0s39	7 6	2 25	8 38	1 22	2 41	0 55	20 19	0 26	9 24	2 43	19 39	0 36	21 35	1 22	12 42	8 58	2 31	2 32	17 43	17 56	5 32
M23	3 20	8 55	1 56	6 26	2 23	8 11	1 23	2 22	0 54	20 21	0 25	9 22	2 43	19 39	0 36	21 34	1 22	12 43	8 58	2 31	2 31	17 44	17 56	5 32
T 24	3 43	12 37	3 6	5 44	2 22	7 44	1 24	2 3	0 54	20 24	0 25	9 21	2 43	19 38	0 36	21 34	1 22	12 43	8 58	2 31	2 30	17 44	17 57	5 31
W25	4 6	15 33	4 5	5 1	2 20	7 17	1 25	1 44	0 54	20 26	0 25	9 19	2 43	19 38	0 36	21 34	1 22	12 43	8 57	2 31	2 28	17 45	17 57	5 31
T 26	4 29	17 29	4 47	4 17	2 17	6 49	1 26	1 26	0 53	20 28	0 25	9 18	2 43	19 38	0 36	21 34	1 22	12 44	8 57	2 31	2 27	17 45	17 58	5 31
F 27	4 52	18 17	5 12	3 32	2 14	6 21	1 27	1 7	0 53	20 30	0 25	9 16	2 43	19 37	0 36	21 34	1 22	12 44	8 57	2 31	2 26	17 46	17 58	5 30
S 28	5 15	17 55	5 16	2 45	2 10	5 53	1 28	0 48	0 52	20 33	0 25	9 15	2 43	19 37	0 36	21 34	1 22	12 44	8 57	2 31	2 25	17 46	17 59	5 30
S 29	5 38	16 27	5 2	1 58	2 6	5 25	1 29	0 29	0 52	20 35	0 24	9 13	2 43	19 36	0 36	21 34	1 22	12 45	8 57	2 31	2 23	17 47	17 59	5 29
M30	6 1	14 3	4 31	1 9	2 1	4 57	1 30	0 11	0 52	20 37	0 24	9 12	2 43	19 36	0 36	21 34	1 22	12 45	8 56	2 31	2 22	17 47	18 0	5 29
T 31	6n23	10n55	3s45	0s19	1s56	4s29	1s31	0n 8	0s51	20n39	0s24	9s10	2n43	19s36	0s36	21s34	1n22	12n45	8s56	2s31	2s21	17s48	18n 0	5s29

Julian Day Number = 2144441.5, Delta T = 14m55s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'01, Lahiri = 12°08'01 Julian Calendar 1 March 1159 == Greg. Calendar 8 March 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

APRIL 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 1 11	17♈ 9'20	4♍36	5♈32	23♓28	3♈ 4	4♊15	0°R30	5♒25	17°R14	7♊ 0	6♎20	5♎50	13♐36	25♊51	W 1
T 2	13 5 7	18° 7'50	17°41	7°28	24°41	3°50	4°26	0♏25	5°27	17♐13	7° 1	6°21	5°47	13°42	25°54	T 2
F 3	13 9 4	19° 6'17	0♎33	9°25	25°55	4°35	4°38	0°21	5°28	17°13	7° 2	6°R22	5°44	13°49	25°57	F 3
S 4	13 13 0	20° 4'42	13°13	11°24	27° 8	5°21	4°49	0°16	5°30	17°12	7° 3	6°22	5°41	13°56	26° 0	S 4
S 5	13 16 57	21° 3'05	25°40	13°25	28°21	6° 7	5° 1	0°12	5°31	17°11	7° 4	6°21	5°37	14° 3	26° 4	S 5
M 6	13 20 53	22° 1'26	7♏57	15°27	29°35	6°52	5°13	0° 8	5°33	17°11	7° 5	6°19	5°34	14° 9	26° 7	M 6
T 7	13 24 50	22°59'46	20° 4	17°30	0♈48	7°38	5°25	0° 3	5°34	17°10	7° 6	6°17	5°31	14°16	26°11	T 7
W 8	13 28 46	23°58'03	2♐ 4	19°35	2° 1	8°24	5°36	29♎59	5°35	17° 9	7° 7	6°14	5°28	14°23	26°14	W 8
T 9	13 32 43	24°56'20	13°58	21°40	3°15	9° 9	5°48	29°54	5°37	17° 8	7° 8	6°12	5°25	14°29	26°18	T 9
F 10	13 36 39	25°54'34	25°51	23°47	4°28	9°55	6° 0	29°50	5°38	17° 8	7° 9	6° 9	5°21	14°36	26°22	F 10
S 11	13 40 36	26°52'47	7♑44	25°55	5°41	10°40	6°13	29°45	5°39	17° 7	7°10	6° 7	5°18	14°43	26°26	S 11
S 12	13 44 33	27°50'59	19°43	28° 4	6°55	11°25	6°25	29°41	5°40	17° 6	7°11	6° 6	5°15	14°50	26°29	S 12
M13	13 48 29	28°49'08	1♒52	0♉13	8° 8	12°11	6°37	29°36	5°41	17° 5	7°13	6°D 5	5°12	14°56	26°33	M13
T 14	13 52 26	29°47'17	14°16	2°23	9°21	12°56	6°49	29°32	5°42	17° 4	7°14	6° 6	5° 9	15° 3	26°37	T 14
W15	13 56 22	0♉45'24	26°58	4°32	10°35	13°41	7° 2	29°27	5°43	17° 3	7°15	6° 7	5° 6	15°10	26°41	W15
T 16	14 0 19	1°43'29	10♓ 2	6°42	11°48	14°26	7°14	29°23	5°44	17° 2	7°16	6° 9	5° 2	15°16	26°45	T 16
F 17	14 4 15	2°41'33	23°32	8°51	13° 1	15°12	7°26	29°18	5°45	17° 1	7°17	6°10	4°59	15°23	26°50	F 17
S 18	14 8 12	3°39'36	7♈27	10°59	14°15	15°57	7°39	29°14	5°46	17° 0	7°18	6°R11	4°56	15°30	26°54	S 18
S 19	14 12 8	4°37'37	21°47	13° 6	15°28	16°42	7°52	29° 9	5°47	16°59	7°20	6°10	4°53	15°37	26°58	S 19
M20	14 16 5	5°35'36	6♉27	15°12	16°41	17°27	8° 4	29° 5	5°47	16°58	7°21	6° 8	4°50	15°43	27° 2	M20
T 21	14 20 2	6°33'34	21°20	17°17	17°55	18°12	8°17	29° 0	5°48	16°57	7°22	6° 4	4°47	15°50	27° 7	T 21
W22	14 23 58	7°31'30	6♊19	19°19	19° 8	18°56	8°30	28°56	5°49	16°56	7°23	6° 0	4°43	15°57	27°11	W22
T 23	14 27 55	8°29'25	21°14	21°19	20°21	19°41	8°42	28°51	5°49	16°54	7°24	5°56	4°40	16° 3	27°16	T 23
F 24	14 31 51	9°27'18	5♋58	23°17	21°35	20°26	8°55	28°47	5°50	16°53	7°26	5°52	4°37	16°10	27°20	F 24
S 25	14 35 48	10°25'09	20°24	25°12	22°48	21°11	9° 8	28°42	5°50	16°52	7°27	5°49	4°34	16°17	27°25	S 25
S 26	14 39 44	11°22'58	4♌30	27° 5	24° 1	21°55	9°21	28°38	5°51	16°51	7°28	5°47	4°31	16°24	27°30	S 26
M27	14 43 41	12°20'45	18°13	28°55	25°15	22°40	9°34	28°34	5°51	16°50	7°29	5°D47	4°27	16°30	27°34	M27
T 28	14 47 37	13°18'31	1♍36	0♊42	26°28	23°25	9°47	28°29	5°51	16°48	7°31	5°48	4°24	16°37	27°39	T 28
W29	14 51 34	14°16'15	14°40	2°26	27°41	24° 9	10° 0	28°25	5°52	16°47	7°32	5°50	4°21	16°44	27°44	W29
T 30	14 55 31	15♉13'57	27♍27	4♊ 6	28♈55	24♈54	10♊13	28♎21	5♒52	16♐46	7♊33	5♎51	4♎18	16♐50	27♊49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n46	7n16	2s47	0n32	1s50	4s 0	1s31	0n27	0s51	20n42	0s24	9s 9	2n43	19s35	0s36	21s34	1n22	12n46	8s56	2s32	2s20	17s48	18n 1	5s28
T 2	7 8	3 20	1 42	1 23	1 44	3 32	1 32	0 45	0 50	20 44	0 24	9 7	2 43	19 35	0 36	21 34	1 22	12 46	8 56	2 32	2 18	17 49	18 1	5 28
F 3	7 31	0s43	0 32	2 16	1 37	3 3	1 33	1 4	0 50	20 46	0 24	9 6	2 44	19 34	0 36	21 34	1 22	12 46	8 56	2 32	2 17	17 49	18 1	5 28
S 4	7 53	4 40	0n38	3 9	1 30	2 34	1 33	1 23	0 50	20 49	0 24	9 4	2 44	19 34	0 36	21 33	1 23	12 47	8 55	2 32	2 16	17 50	18 2	5 27
S 5	8 15	8 20	1 45	4 3	1 22	2 5	1 33	1 41	0 49	20 51	0 23	9 2	2 44	19 34	0 37	21 33	1 23	12 47	8 55	2 32	2 15	17 50	18 2	5 27
M 6	8 37	11 36	2 46	4 58	1 14	1 36	1 34	2 0	0 49	20 53	0 23	9 1	2 44	19 34	0 37	21 33	1 23	12 47	8 55	2 31	2 13	17 50	18 3	5 27
T 7	8 59	14 20	3 39	5 54	1 5	1 7	1 34	2 18	0 48	20 55	0 23	8 59	2 44	19 33	0 37	21 33	1 23	12 48	8 55	2 30	2 12	17 51	18 3	5 26
W 8	9 20	16 24	4 21	6 49	0 56	0 38	1 34	2 37	0 48	20 58	0 23	8 58	2 44	19 33	0 37	21 33	1 23	12 48	8 55	2 29	2 11	17 51	18 4	5 26
T 9	9 42	17 45	4 52	7 46	0 47	0 9	1 34	2 55	0 47	21 0	0 23	8 56	2 44	19 33	0 37	21 33	1 23	12 48	8 55	2 28	2 10	17 52	18 4	5 26
F 10	10 3	18 19	5 10	8 42	0 37	0n21	1 34	3 14	0 47	21 2	0 23	8 54	2 44	19 32	0 37	21 33	1 23	12 49	8 54	2 27	2 8	17 52	18 4	5 25
S 11	10 24	18 5	5 15	9 38	0 27	0 50	1 34	3 32	0 46	21 4	0 23	8 53	2 44	19 32	0 37	21 33	1 23	12 49	8 54	2 26	2 7	17 53	18 5	5 25
S 12	10 45	17 2	5 6	10 34	0 17	1 19	1 34	3 50	0 46	21 6	0 22	8 51	2 44	19 32	0 37	21 33	1 23	12 49	8 54	2 26	2 6	17 53	18 5	5 25
M13	11 6	15 13	4 44	11 30	0 6	1 48	1 34	4 8	0 45	21 9	0 22	8 50	2 44	19 32	0 37	21 33	1 23	12 50	8 54	2 26	2 4	17 54	18 6	5 24
T 14	11 27	12 40	4 8	12 25	0n 4	2 18	1 33	4 26	0 45	21 11	0 22	8 48	2 44	19 31	0 37	21 32	1 23	12 50	8 54	2 26	2 3	17 54	18 6	5 24
W15	11 47	9 28	3 19	13 19	0 15	2 47	1 33	4 45	0 44	21 13	0 22	8 47	2 44	19 31	0 37	21 32	1 23	12 50	8 54	2 27	2 2	17 54	18 6	5 24
T 16	12 8	5 42	2 19	14 13	0 26	3 16	1 33	5 3	0 44	21 15	0 22	8 45	2 44	19 31	0 37	21 32	1 23	12 51	8 53	2 27	2 1	17 55	18 7	5 24
F 17	12 28	1 32	1 9	15 5	0 36	3 45	1 32	5 20	0 43	21 18	0 22	8 43	2 44	19 31	0 37	21 32	1 23	12 51	8 53	2 28	1 59	17 55	18 7	5 23
S 18	12 48	2n52	0s 7	15 56	0 47	4 14	1 32	5 38	0 43	21 20	0 22	8 42	2 44	19 31	0 37	21 32	1 23	12 51	8 53	2 28	1 58	17 56	18 8	5 23
S 19	13 7	7 13	1 25	16 45	0 57	4 43	1 31	5 56	0 42	21 22	0 21	8 40	2 43	19 31	0 37	21 32	1 23	12 52	8 53	2 28	1 57	17 56	18 8	5 23
M20	13 27	11 14	2 38	17 32	1 7	5 12	1 30	6 14	0 42	21 24	0 21	8 39	2 43	19 30	0 37	21 32	1 23	12 52	8 53	2 27	1 56	17 56	18 8	5 22
T 21	13 46	14 36	3 42	18 17	1 16	5 41	1 30	6 32	0 41	21 26	0 21	8 37	2 43	19 30	0 37	21 32	1 23	12 52	8 53	2 25	1 54	17 57	18 9	5 22
W22	14 5	17 0	4 31	19 0	1 25	6 9	1 29	6 49	0 41	21 28	0 21	8 36	2 43	19 30	0 37	21 31	1 23	12 53	8 53	2 24	1 53	17 57	18 9	5 22
T 23	14 24	18 14	5 2	19 41	1 34	6 38	1 28	7 7	0 40	21 30	0 21	8 34	2 43	19 30	0 37	21 31	1 23	12 53	8 52	2 22	1 52	17 58	18 9	5 22
F 24	14 42	18 13	5 12	20 19	1 42	7 6	1 27	7 24	0 40	21 33	0 21	8 33	2 43	19 30	0 37	21 31	1 23	12 53	8 52	2 20	1 51	17 58	18 10	5 21
S 25	15 1	17 1	5 2	20 55	1 49	7 34	1 26	7 41	0 39	21 35	0 21	8 31	2 43	19 30	0 37	21 31	1 23	12 54	8 52	2 19	1 49	17 58	18 10	5 21
S 26	15 19	14 47	4 34	21 28	1 56	8 2	1 25	7 59	0 39	21 37	0 21	8 30	2 43	19 30	0 37	21 31	1 23	12 54	8 52	2 18	1 48	17 59	18 10	5 21
M27	15 37	11 47	3 51	21 59	2 2	8 30	1 24	8 16	0 38	21 39	0 20	8 28	2 43	19 30	0 37	21 31	1 23	12 54	8 52	2 18	1 47	17 59	18 11	5 21
T 28	15 54	8 13	2 56	22 27	2 7	8 58	1 23	8 33	0 38	21 41	0 20	8 27	2 43	19 30	0 37	21 31	1 23	12 55	8 52	2 19	1 45	18 0	18 11	5 20
W29	16 12	4 20	1 53	22 53	2 11	9 26	1 22	8 50	0 37	21 43	0 20	8 25	2 43	19 30	0 37	21 30	1 23	12 55	8 52	2 19	1 44	18 0	18 11	5 20
T 30	16n29	0n19	0s46	23n16	2n15	9n53	1s20	9n 7	0s37	21n45	0s20	8s24	2n43	19s30	0s37	21s30	1n23	12n55	8s52	2s20	1s43	18s 0	18n12	5s20

Julian Day Number = 2144472.5, Delta T = 14m55s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'05, Lahiri = 12°08'06 Julian Calendar 1 Apr. 1159 == Greg. Calendar 8 Apr. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

MAY 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 59 27	16♉11'37	10♎ 0	5♊44	0♉ 8	25♈38	10♊26	28°R17	5♒52	16°R44	7♊35	5°R51	4♎15	16♐57	27♊54	F 1
S 2	15 3 24	17° 9'16	22°22	7°18	1°21	26°22	10°39	28♎12	5°52	16♐43	7°36	5♎50	4°12	17° 4	27°59	S 2
S 3	15 7 20	18° 6'54	4♏35	8°49	2°35	27° 7	10°53	28° 8	5°52	16°42	7°37	5°46	4° 8	17°11	28° 4	S 3
M 4	15 11 17	19° 4'31	16°41	10°17	3°48	27°51	11° 6	28° 4	5°R52	16°40	7°39	5°41	4° 5	17°17	28° 9	M 4
T 5	15 15 13	20° 2'06	28°40	11°41	5° 1	28°35	11°19	28° 0	5°52	16°39	7°40	5°34	4° 2	17°24	28°14	T 5
W 6	15 19 10	20°59'40	10♐36	13° 2	6°15	29°19	11°32	27°56	5°52	16°37	7°41	5°26	3°59	17°31	28°19	W 6
T 7	15 23 6	21°57'12	22°29	14°19	7°28	0♊ 3	11°46	27°52	5°52	16°36	7°43	5°17	3°56	17°37	28°24	T 7
F 8	15 27 3	22°54'44	4♑21	15°33	8°42	0°47	11°59	27°48	5°52	16°35	7°44	5° 9	3°53	17°44	28°29	F 8
S 9	15 31 0	23°52'15	16°15	16°43	9°55	1°31	12°13	27°45	5°52	16°33	7°45	5° 2	3°49	17°51	28°35	S 9
S 10	15 34 56	24°49'45	28°14	17°50	11° 8	2°15	12°26	27°41	5°52	16°32	7°47	4°56	3°46	17°58	28°40	S 10
M11	15 38 53	25°47'14	10♒22	18°53	12°22	2°59	12°39	27°37	5°51	16°30	7°48	4°53	3°43	18° 4	28°45	M11
T 12	15 42 49	26°44'42	22°42	19°52	13°35	3°43	12°53	27°33	5°51	16°29	7°49	4°D52	3°40	18°11	28°51	T 12
W13	15 46 46	27°42'09	5♓20	20°47	14°49	4°26	13° 6	27°30	5°51	16°27	7°51	4°52	3°37	18°18	28°56	W13
T 14	15 50 42	28°39'36	18°20	21°38	16° 2	5°10	13°20	27°26	5°50	16°26	7°52	4°53	3°33	18°24	29° 1	T 14
F 15	15 54 39	29°37'01	1♈45	22°26	17°15	5°54	13°33	27°23	5°50	16°24	7°54	4°R53	3°30	18°31	29° 7	F 15
S 16	15 58 35	0♊34'27	15°38	23° 9	18°29	6°37	13°47	27°19	5°49	16°23	7°55	4°53	3°27	18°38	29°12	S 16
S 17	16 2 32	1°31'51	29°59	23°48	19°42	7°21	14° 0	27°16	5°49	16°21	7°56	4°51	3°24	18°45	29°18	S 17
M18	16 6 29	2°29'15	14♉46	24°23	20°56	8° 4	14°14	27°13	5°48	16°20	7°58	4°46	3°21	18°51	29°24	M18
T 19	16 10 25	3°26'38	29°51	24°54	22° 9	8°48	14°28	27°10	5°47	16°18	7°59	4°39	3°18	18°58	29°29	T 19
W20	16 14 22	4°24'00	15♊ 6	25°20	23°23	9°31	14°41	27° 6	5°47	16°16	8° 1	4°31	3°14	19° 5	29°35	W20
T 21	16 18 18	5°21'21	0♋19	25°42	24°36	10°14	14°55	27° 3	5°46	16°15	8° 2	4°22	3°11	19°11	29°41	T 21
F 22	16 22 15	6°18'42	15°21	25°59	25°49	10°58	15° 9	27° 0	5°45	16°13	8° 3	4°14	3° 8	19°18	29°46	F 22
S 23	16 26 11	7°16'01	0♌ 3	26°12	27° 3	11°41	15°22	26°57	5°44	16°12	8° 5	4° 7	3° 5	19°25	29°52	S 23
S 24	16 30 8	8°13'20	14°19	26°20	28°16	12°24	15°36	26°55	5°43	16°10	8° 6	4° 3	3° 2	19°32	29°58	S 24
M25	16 34 4	9°10'37	28° 7	26°R23	29°30	13° 7	15°50	26°52	5°42	16° 8	8° 8	4° 0	2°59	19°38	0♋ 3	M25
T 26	16 38 1	10° 7'54	11♍29	26°22	0♊43	13°50	16° 3	26°49	5°41	16° 7	8° 9	4°D 0	2°55	19°45	0° 9	T 26
W27	16 41 58	11° 5'09	24°27	26°17	1°57	14°33	16°17	26°47	5°40	16° 5	8°10	4° 0	2°52	19°52	0°15	W27
T 28	16 45 54	12° 2'24	7♎ 6	26° 7	3°10	15°16	16°31	26°44	5°39	16° 4	8°12	4°R 0	2°49	19°59	0°21	T 28
F 29	16 49 51	12°59'38	19°29	25°53	4°24	15°59	16°44	26°42	5°38	16° 2	8°13	3°59	2°46	20° 5	0°27	F 29
S 30	16 53 47	13°56'51	1♏40	25°35	5°37	16°41	16°58	26°39	5°37	16° 0	8°15	3°56	2°43	20°12	0°33	S 30
S 31	16 57 44	14♊54'03	13♏43	25♊14	6♊51	17♉24	17♊12	26♎37	5♒36	15♐59	8♊16	3♎50	2♎39	20♐19	0♋39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n45	3s38	0n23	23n37	2n18	10n20	1s19	9n24	0s36	21n47	0s20	8s23	2n43	19s30	0s37	21s30	1n23	12n56	8s51	2s20	1s42	18s 1	18n12	5s20
S 2	17 2	7 23	1 28	23 56	2 20	10 47	1 18	9 40	0 35	21 49	0 20	8 21	2 42	19 30	0 37	21 30	1 23	12 56	8 51	2 19	1 40	18 1	18 12	5 20
S 3	17 18	10 46	2 29	24 12	2 21	11 14	1 16	9 57	0 35	21 51	0 20	8 20	2 42	19 30	0 38	21 30	1 23	12 56	8 51	2 18	1 39	18 1	18 13	5 19
M 4	17 34	13 39	3 23	24 26	2 22	11 40	1 15	10 13	0 34	21 53	0 20	8 19	2 42	19 30	0 38	21 30	1 23	12 57	8 51	2 16	1 38	18 2	18 13	5 19
T 5	17 50	15 57	4 7	24 37	2 22	12 6	1 13	10 30	0 34	21 55	0 19	8 17	2 42	19 30	0 38	21 29	1 23	12 57	8 51	2 13	1 37	18 2	18 13	5 19
W 6	18 5	17 32	4 39	24 47	2 20	12 32	1 12	10 46	0 33	21 57	0 19	8 16	2 42	19 30	0 38	21 29	1 23	12 57	8 51	2 10	1 35	18 3	18 13	5 19
T 7	18 20	18 21	5 0	24 54	2 18	12 58	1 10	11 2	0 33	21 59	0 19	8 15	2 42	19 30	0 38	21 29	1 23	12 58	8 51	2 7	1 34	18 3	18 14	5 19
F 8	18 35	18 21	5 7	25 0	2 15	13 23	1 8	11 18	0 32	22 1	0 19	8 13	2 42	19 30	0 38	21 29	1 23	12 58	8 51	2 3	1 33	18 3	18 14	5 18
S 9	18 49	17 34	5 1	25 4	2 11	13 48	1 7	11 34	0 31	22 3	0 19	8 12	2 42	19 30	0 38	21 29	1 23	12 58	8 51	2 0	1 32	18 4	18 14	5 18
S 10	19 4	16 0	4 42	25 5	2 7	14 13	1 5	11 50	0 31	22 4	0 19	8 11	2 41	19 30	0 38	21 29	1 23	12 58	8 51	1 58	1 30	18 4	18 14	5 18
M11	19 17	13 42	4 11	25 6	2 1	14 37	1 3	12 5	0 30	22 6	0 19	8 10	2 41	19 30	0 38	21 29	1 23	12 59	8 50	1 57	1 29	18 4	18 15	5 18
T 12	19 31	10 45	3 27	25 4	1 55	15 1	1 1	12 21	0 30	22 8	0 19	8 9	2 41	19 30	0 38	21 28	1 23	12 59	8 50	1 56	1 28	18 5	18 15	5 18
W13	19 44	7 14	2 32	25 1	1 48	15 24	0 59	12 36	0 29	22 10	0 19	8 8	2 41	19 30	0 38	21 28	1 23	12 59	8 50	1 56	1 26	18 5	18 15	5 18
T 14	19 57	3 17	1 28	24 56	1 40	15 48	0 57	12 51	0 28	22 12	0 18	8 6	2 41	19 31	0 38	21 28	1 23	13 0	8 50	1 57	1 25	18 5	18 15	5 17
F 15	20 10	0n57	0 17	24 50	1 31	16 10	0 55	13 6	0 28	22 13	0 18	8 5	2 41	19 31	0 38	21 28	1 23	13 0	8 50	1 57	1 24	18 6	18 15	5 17
S 16	20 22	5 18	0s57	24 43	1 21	16 33	0 53	13 21	0 27	22 15	0 18	8 4	2 40	19 31	0 38	21 28	1 23	13 0	8 50	1 57	1 23	18 6	18 16	5 17
S 17	20 34	9 29	2 10	24 34	1 11	16 55	0 51	13 36	0 27	22 17	0 18	8 3	2 40	19 31	0 38	21 28	1 23	13 0	8 50	1 56	1 21	18 6	18 16	5 17
M18	20 45	13 12	3 16	24 25	0 59	17 16	0 49	13 51	0 26	22 19	0 18	8 2	2 40	19 31	0 38	21 27	1 23	13 1	8 50	1 54	1 20	18 7	18 16	5 17
T 19	20 56	16 8	4 10	24 14	0 47	17 38	0 47	14 6	0 25	22 20	0 18	8 1	2 40	19 31	0 38	21 27	1 23	13 1	8 50	1 51	1 19	18 7	18 16	5 17
W20	21 7	17 57	4 47	24 2	0 34	17 58	0 45	14 20	0 25	22 22	0 18	8 0	2 40	19 32	0 38	21 27	1 23	13 1	8 50	1 48	1 18	18 7	18 16	5 17
T 21	21 17	18 29	5 3	23 49	0 21	18 19	0 43	14 34	0 24	22 24	0 18	7 59	2 39	19 32	0 38	21 27	1 23	13 1	8 50	1 45	1 16	18 8	18 16	5 16
F 22	21 27	17 43	4 58	23 36	0 7	18 38	0 41	14 49	0 24	22 25	0 18	7 59	2 39	19 32	0 38	21 27	1 23	13 2	8 50	1 41	1 15	18 8	18 16	5 16
S 23	21 37	15 46	4 34	23 21	0s 8	18 58	0 39	15 3	0 23	22 27	0 18	7 58	2 39	19 32	0 38	21 27	1 23	13 2	8 50	1 39	1 14	18 8	18 16	5 16
S 24	21 47	12 54	3 53	23 6	0 23	19 16	0 36	15 16	0 22	22 29	0 17	7 57	2 39	19 33	0 38	21 26	1 23	13 2	8 50	1 37	1 13	18 8	18 17	5 16
M25	21 55	9 23	2 59	22 50	0 39	19 35	0 34	15 30	0 22	22 30	0 17	7 56	2 39	19 33	0 38	21 26	1 23	13 3	8 50	1 36	1 11	18 9	18 17	5 16
T 26	22 4	5 29	1 57	22 34	0 56	19 52	0 32	15 44	0 21	22 32	0 17	7 55	2 38	19 33	0 38	21 26	1 23	13 3	8 50	1 36	1 10	18 9	18 17	5 16
W27	22 12	1 26	0 51	22 18	1 12	20 10	0 30	15 57	0 20	22 33	0 17	7 55	2 38	19 33	0 38	21 26	1 23	13 3	8 50	1 36	1 9	18 9	18 17	5 16
T 28	22 20	2s35	0n16	22 1	1 29	20 26	0 27	16 10	0 20	22 35	0 17	7 54	2 38	19 34	0 38	21 26	1 23	13 3	8 49	1 36	1 7	18 10	18 17	5 16
F 29	22 27	6 24	1 21	21 43	1 46	20 42	0 25	16 23	0 19	22 36	0 17	7 53	2 38	19 34	0 38	21 26	1 23	13 3	8 49	1 36	1 6	18 10	18 17	5 16
S 30	22 35	9 54	2 21	21 26	2 2	20 58	0 23	16 36	0 18	22 38	0 17	7 53	2 37	19 34	0 38	21 25	1 23	13 4	8 49	1 34	1 5	18 10	18 17	5 16
S 31	22n41	12s56	3n14	21n 9	2s19	21n13	0s20	16n49	0s18	22n39	0s17	7s52	2n37	19s35	0s38	21s25	1n23	13n 4	8s49	1s32	1s 4	18s11	18n17	5s16

Julian Day Number = 2144502.5, Delta T = 14m54s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'09, Lahiri = 12°08'10 Julian Calendar 1 May 1159 == Greg. Calendar 8 May 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

JUNE 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 1 40	15♊51'15	25♏40	24°R49	8♊ 4	18♉ 7	17♊26	26°R35	5°R34	15°R57	8♊17	3°R42	2♎36	20♐25	0♋45	M 1
T 2	17 5 37	16°48'27	7♐34	24♊21	9°18	18°49	17°39	26♎33	5♒33	15♐56	8°19	3♎31	2°33	20°32	0°50	T 2
W 3	17 9 33	17°45'38	19°27	23°50	10°31	19°32	17°53	26°31	5°32	15°54	8°20	3°18	2°30	20°39	0°56	W 3
T 4	17 13 30	18°42'48	1♑19	23°18	11°45	20°14	18° 7	26°29	5°30	15°52	8°22	3° 5	2°27	20°46	1° 2	T 4
F 5	17 17 27	19°39'59	13°14	22°44	12°58	20°57	18°20	26°27	5°29	15°51	8°23	2°53	2°24	20°52	1° 8	F 5
S 6	17 21 23	20°37'09	25°11	22° 9	14°12	21°39	18°34	26°25	5°28	15°49	8°24	2°41	2°20	20°59	1°14	S 6
S 7	17 25 20	21°34'19	7♒13	21°34	15°26	22°21	18°48	26°24	5°26	15°47	8°26	2°32	2°17	21° 6	1°20	S 7
M 8	17 29 16	22°31'29	19°24	20°59	16°39	23° 3	19° 2	26°22	5°25	15°46	8°27	2°26	2°14	21°12	1°26	M 8
T 9	17 33 13	23°28'39	1♓46	20°25	17°53	23°46	19°15	26°21	5°23	15°44	8°28	2°22	2°11	21°19	1°33	T 9
W10	17 37 9	24°25'49	14°23	19°52	19° 6	24°28	19°29	26°19	5°21	15°43	8°30	2°21	2° 8	21°26	1°39	W10
T 11	17 41 6	25°22'59	27°19	19°21	20°20	25°10	19°43	26°18	5°20	15°41	8°31	2°20	2° 4	21°33	1°45	T 11
F 12	17 45 2	26°20'09	10♈38	18°53	21°34	25°52	19°56	26°17	5°18	15°39	8°32	2°20	2° 1	21°39	1°51	F 12
S 13	17 48 59	27°17'19	24°24	18°28	22°47	26°34	20°10	26°16	5°16	15°38	8°34	2°19	1°58	21°46	1°57	S 13
S 14	17 52 56	28°14'30	8♉37	18° 6	24° 1	27°16	20°24	26°15	5°15	15°36	8°35	2°16	1°55	21°53	2° 3	S 14
M15	17 56 52	29°11'41	23°17	17°49	25°15	27°58	20°37	26°14	5°13	15°35	8°36	2°10	1°52	22° 0	2° 9	M15
T 16	18 0 49	0♋ 8'52	8♊18	17°35	26°28	28°39	20°51	26°13	5°11	15°33	8°38	2° 2	1°49	22° 6	2°15	T 16
W17	18 4 45	1° 6'04	23°34	17°26	27°42	29°21	21° 4	26°12	5° 9	15°32	8°39	1°52	1°45	22°13	2°21	W17
T 18	18 8 42	2° 3'16	8♋52	17°D22	28°56	0♊ 3	21°18	26°11	5° 8	15°30	8°40	1°41	1°42	22°20	2°27	T 18
F 19	18 12 38	3° 0'27	24° 1	17°23	0♋10	0°44	21°32	26°11	5° 6	15°29	8°42	1°31	1°39	22°26	2°33	F 19
S 20	18 16 35	3°57'39	8♌52	17°28	1°23	1°26	21°45	26°11	5° 4	15°27	8°43	1°22	1°36	22°33	2°40	S 20
S 21	18 20 32	4°54'51	23°17	17°39	2°37	2° 7	21°59	26°10	5° 2	15°25	8°44	1°16	1°33	22°40	2°46	S 21
M22	18 24 28	5°52'02	7♍13	17°55	3°51	2°49	22°12	26°10	5° 0	15°24	8°46	1°13	1°30	22°47	2°52	M22
T 23	18 28 25	6°49'14	20°40	18°17	5° 5	3°30	22°26	26°10	4°58	15°23	8°47	1°11	1°26	22°53	2°58	T 23
W24	18 32 21	7°46'25	3♎40	18°43	6°18	4°11	22°39	26°D10	4°56	15°21	8°48	1°11	1°23	23° 0	3° 4	W24
T 25	18 36 18	8°43'37	16°18	19°15	7°32	4°52	22°52	26°10	4°54	15°20	8°49	1°11	1°20	23° 7	3°10	T 25
F 26	18 40 14	9°40'49	28°38	19°52	8°46	5°34	23° 6	26°10	4°52	15°18	8°51	1°10	1°17	23°13	3°16	F 26
S 27	18 44 11	10°38'01	10♏44	20°34	10° 0	6°15	23°19	26°10	4°50	15°17	8°52	1° 7	1°14	23°20	3°22	S 27
S 28	18 48 7	11°35'13	22°43	21°22	11°14	6°56	23°33	26°11	4°47	15°15	8°53	1° 1	1°10	23°27	3°28	S 28
M29	18 52 4	12°32'25	4♐36	22°15	12°27	7°37	23°46	26°11	4°45	15°14	8°54	0°52	1° 7	23°34	3°35	M29
T 30	18 56 0	13♋29'38	16♐28	23♊12	13♋41	8♊17	23♊59	26♎12	4♒43	15♐13	8♊55	0♎42	1♎ 4	23♐40	3♋41	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n47	15s24	3n58	20n52	2s35	21n27	0s18	17n 2	0s17	22n40	0s17	7s51	2n37	19s35	0s39	21s25	1n23	13n 4	8s49	1s29	1s 2	18s11	18n17	5s16
T 2	22 53	17 13	4 31	20 35	2 51	21 41	0 15	17 14	0 16	22 42	0 17	7 51	2 37	19 35	0 39	21 25	1 23	13 4	8 49	1 24	1 1	18 11	18 17	5 16
W 3	22 59	18 16	4 52	20 18	3 6	21 54	0 13	17 26	0 16	22 43	0 16	7 50	2 37	19 36	0 39	21 25	1 23	13 5	8 49	1 19	1 0	18 11	18 17	5 16
T 4	23 4	18 32	5 0	20 2	3 20	22 7	0 11	17 38	0 15	22 44	0 16	7 50	2 36	19 36	0 39	21 25	1 23	13 5	8 49	1 14	0 59	18 12	18 17	5 16
F 5	23 8	17 59	4 56	19 47	3 34	22 19	0 8	17 50	0 14	22 46	0 16	7 49	2 36	19 36	0 39	21 25	1 23	13 5	8 49	1 9	0 57	18 12	18 17	5 16
S 6	23 13	16 38	4 38	19 33	3 46	22 30	0 6	18 2	0 14	22 47	0 16	7 49	2 36	19 37	0 39	21 24	1 23	13 5	8 49	1 4	0 56	18 12	18 17	5 16
S 7	23 17	14 33	4 8	19 19	3 58	22 41	0 4	18 14	0 13	22 48	0 16	7 49	2 36	19 37	0 39	21 24	1 23	13 5	8 49	1 1	0 55	18 12	18 17	5 16
M 8	23 20	11 48	3 26	19 7	4 7	22 51	0 1	18 25	0 12	22 50	0 16	7 48	2 35	19 38	0 39	21 24	1 23	13 6	8 49	0 58	0 54	18 13	18 17	5 16
T 9	23 23	8 30	2 34	18 56	4 16	23 1	0n 1	18 36	0 12	22 51	0 16	7 48	2 35	19 38	0 39	21 24	1 23	13 6	8 49	0 57	0 52	18 13	18 17	5 16
W10	23 26	4 44	1 34	18 47	4 23	23 9	0 4	18 47	0 11	22 52	0 16	7 48	2 35	19 38	0 39	21 24	1 23	13 6	8 49	0 56	0 51	18 13	18 17	5 16
T 11	23 28	0 40	0 27	18 39	4 29	23 17	0 6	18 58	0 10	22 53	0 16	7 48	2 35	19 39	0 39	21 24	1 23	13 6	8 49	0 56	0 50	18 14	18 16	5 16
F 12	23 30	3n33	0s44	18 33	4 33	23 25	0 8	19 9	0 10	22 54	0 16	7 47	2 34	19 39	0 39	21 23	1 23	13 6	8 49	0 56	0 48	18 14	18 16	5 16
S 13	23 31	7 44	1 54	18 28	4 36	23 32	0 11	19 20	0 9	22 55	0 15	7 47	2 34	19 40	0 39	21 23	1 23	13 7	8 49	0 56	0 47	18 14	18 16	5 16
S 14	23 32	11 37	2 59	18 25	4 37	23 38	0 13	19 30	0 8	22 56	0 15	7 47	2 34	19 40	0 39	21 23	1 23	13 7	8 49	0 54	0 46	18 14	18 16	5 16
M15	23 33	14 53	3 55	18 24	4 36	23 43	0 15	19 40	0 8	22 58	0 15	7 47	2 34	19 41	0 39	21 23	1 23	13 7	8 49	0 52	0 45	18 15	18 16	5 16
T 16	23 33	17 15	4 35	18 24	4 35	23 48	0 18	19 50	0 7	22 59	0 15	7 47	2 33	19 41	0 39	21 23	1 23	13 7	8 49	0 49	0 43	18 15	18 16	5 16
W17	23 32	18 26	4 57	18 27	4 32	23 52	0 20	20 0	0 6	23 0	0 15	7 47	2 33	19 42	0 39	21 23	1 23	13 7	8 49	0 45	0 42	18 15	18 16	5 16
T 18	23 32	18 17	4 58	18 31	4 27	23 55	0 22	20 10	0 6	23 1	0 15	7 47	2 33	19 42	0 39	21 23	1 23	13 7	8 49	0 40	0 41	18 15	18 15	5 16
F 19	23 31	16 50	4 38	18 36	4 22	23 57	0 25	20 19	0 5	23 2	0 15	7 47	2 33	19 43	0 39	21 22	1 23	13 8	8 50	0 36	0 40	18 15	18 15	5 16
S 20	23 29	14 17	3 59	18 43	4 15	23 59	0 27	20 28	0 4	23 2	0 15	7 47	2 32	19 43	0 39	21 22	1 23	13 8	8 50	0 33	0 38	18 16	18 15	5 16
S 21	23 27	10 54	3 6	18 52	4 7	24 0	0 29	20 37	0 3	23 3	0 15	7 47	2 32	19 44	0 39	21 22	1 23	13 8	8 50	0 30	0 37	18 16	18 15	5 16
M22	23 25	7 0	2 3	19 2	3 58	24 1	0 31	20 46	0 3	23 4	0 15	7 47	2 32	19 44	0 39	21 22	1 23	13 8	8 50	0 29	0 36	18 16	18 15	5 16
T 23	23 22	2 52	0 55	19 14	3 49	24 0	0 34	20 55	0 2	23 5	0 15	7 48	2 31	19 45	0 39	21 22	1 23	13 8	8 50	0 28	0 35	18 16	18 14	5 16
W24	23 19	1s16	0n13	19 26	3 38	23 59	0 36	21 3	0 1	23 6	0 14	7 48	2 31	19 45	0 39	21 22	1 23	13 8	8 50	0 28	0 33	18 17	18 14	5 16
T 25	23 15	5 13	1 19	19 40	3 27	23 58	0 38	21 12	0 1	23 7	0 14	7 48	2 31	19 46	0 39	21 22	1 23	13 9	8 50	0 28	0 32	18 17	18 14	5 17
F 26	23 11	8 51	2 20	19 54	3 16	23 55	0 40	21 20	0n 0	23 8	0 14	7 48	2 31	19 46	0 39	21 21	1 23	13 9	8 50	0 28	0 31	18 17	18 14	5 17
S 27	23 7	12 3	3 13	20 10	3 3	23 52	0 42	21 28	0 1	23 8	0 14	7 49	2 30	19 47	0 39	21 21	1 23	13 9	8 50	0 27	0 29	18 17	18 13	5 17
S 28	23 2	14 43	3 57	20 26	2 51	23 48	0 44	21 35	0 1	23 9	0 14	7 49	2 30	19 47	0 39	21 21	1 23	13 9	8 50	0 24	0 28	18 17	18 13	5 17
M29	22 57	16 44	4 30	20 42	2 37	23 43	0 46	21 43	0 2	23 10	0 14	7 50	2 30	19 48	0 39	21 21	1 23	13 9	8 50	0 21	0 27	18 18	18 13	5 17
T 30	22n51	18s 1	4n52	20n58	2s24	23n38	0n48	21n50	0n 3	23n11	0s14	7s50	2n30	19s48	0s39	21s21	1n23	13n 9	8s50	0s17	0s26	18s18	18n13	5s17

Julian Day Number = 2144533.5, Delta T = 14m54s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'13, Lahiri = 12°08'14 Julian Calendar 1 June 1159 == Greg. Calendar 8 June 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

JULY 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 59 57	14♋26'51	28♐20	24♊15	14♋55	8♊58	24♊12	26♎12	4°R41	15°R11	8♊57	0°R29	1♎ 1	23♐47	3♋47	W 1
T 2	19 3 54	15°24'04	10♑16	25°23	16° 9	9°39	24°26	26°13	4♒39	15♐10	8°58	0♎16	0°58	23°54	3°53	T 2
F 3	19 7 50	16°21'18	22°15	26°35	17°23	10°20	24°39	26°14	4°36	15° 8	8°59	0° 3	0°55	24° 1	3°59	F 3
S 4	19 11 47	17°18'33	4♒20	27°52	18°37	11° 0	24°52	26°15	4°34	15° 7	9° 0	29♍52	0°51	24° 7	4° 5	S 4
S 5	19 15 43	18°15'48	16°31	29°14	19°51	11°41	25° 5	26°16	4°32	15° 6	9° 1	29°43	0°48	24°14	4°11	S 5
M 6	19 19 40	19°13'04	28°50	0♋41	21° 5	12°22	25°18	26°17	4°30	15° 5	9° 2	29°37	0°45	24°21	4°17	M 6
T 7	19 23 36	20°10'21	11♓20	2°11	22°19	13° 2	25°31	26°18	4°27	15° 3	9° 3	29°33	0°42	24°27	4°23	T 7
W 8	19 27 33	21° 7'39	24° 3	3°46	23°33	13°42	25°44	26°20	4°25	15° 2	9° 4	29°D32	0°39	24°34	4°29	W 8
T 9	19 31 29	22° 4'58	7♈ 1	5°25	24°46	14°23	25°57	26°21	4°23	15° 1	9° 6	29°32	0°36	24°41	4°35	T 9
F 10	19 35 26	23° 2'18	20°19	7° 8	26° 0	15° 3	26°10	26°23	4°20	15° 0	9° 7	29°R32	0°32	24°48	4°41	F 10
S 11	19 39 23	23°59'39	3♉59	8°54	27°14	15°43	26°23	26°24	4°18	14°58	9° 8	29°32	0°29	24°54	4°47	S 11
S 12	19 43 19	24°57'02	18° 3	10°44	28°28	16°23	26°36	26°26	4°16	14°57	9° 9	29°30	0°26	25° 1	4°53	S 12
M13	19 47 16	25°54'25	2♊29	12°36	29°42	17° 4	26°48	26°28	4°13	14°56	9°10	29°25	0°23	25° 8	4°58	M13
T 14	19 51 12	26°51'50	17°16	14°32	0♌57	17°44	27° 1	26°30	4°11	14°55	9°11	29°19	0°20	25°14	5° 4	T 14
W15	19 55 9	27°49'16	2♋17	16°29	2°11	18°24	27°14	26°32	4° 9	14°54	9°12	29°11	0°16	25°21	5°10	W15
T 16	19 59 5	28°46'43	17°23	18°28	3°25	19° 4	27°26	26°34	4° 6	14°53	9°13	29° 2	0°13	25°28	5°16	T 16
F 17	20 3 2	29°44'11	2♌24	20°30	4°39	19°43	27°39	26°36	4° 4	14°52	9°14	28°53	0°10	25°35	5°22	F 17
S 18	20 6 59	0♌41'40	17°11	22°32	5°53	20°23	27°52	26°38	4° 1	14°51	9°15	28°46	0° 7	25°41	5°28	S 18
S 19	20 10 55	1°39'10	1♍37	24°35	7° 7	21° 3	28° 4	26°40	3°59	14°50	9°16	28°41	0° 4	25°48	5°33	S 19
M20	20 14 52	2°36'41	15°36	26°39	8°21	21°43	28°16	26°43	3°57	14°49	9°16	28°38	0° 1	25°55	5°39	M20
T 21	20 18 48	3°34'13	29° 7	28°43	9°35	22°22	28°29	26°45	3°54	14°48	9°17	28°D37	29♍57	26° 2	5°45	T 21
W22	20 22 45	4°31'46	12♎12	0♌47	10°49	23° 2	28°41	26°48	3°52	14°47	9°18	28°38	29°54	26° 8	5°50	W22
T 23	20 26 41	5°29'19	24°53	2°50	12° 3	23°41	28°53	26°51	3°50	14°46	9°19	28°39	29°51	26°15	5°56	T 23
F 24	20 30 38	6°26'54	7♏15	4°54	13°17	24°21	29° 5	26°54	3°47	14°45	9°20	28°R39	29°48	26°22	6° 2	F 24
S 25	20 34 34	7°24'29	19°22	6°56	14°32	25° 0	29°17	26°56	3°45	14°44	9°21	28°38	29°45	26°28	6° 7	S 25
S 26	20 38 31	8°22'06	1♐20	8°58	15°46	25°39	29°30	26°59	3°42	14°44	9°22	28°36	29°42	26°35	6°13	S 26
M27	20 42 27	9°19'43	13°13	10°59	17° 0	26°18	29°41	27° 2	3°40	14°43	9°22	28°31	29°38	26°42	6°18	M27
T 28	20 46 24	10°17'22	25° 5	12°58	18°14	26°57	29°53	27° 6	3°38	14°42	9°23	28°24	29°35	26°49	6°24	T 28
W29	20 50 21	11°15'02	7♑ 0	14°57	19°28	27°36	0♋ 5	27° 9	3°35	14°41	9°24	28°16	29°32	26°55	6°29	W29
T 30	20 54 17	12°12'43	18°59	16°54	20°42	28°15	0°17	27°12	3°33	14°41	9°25	28° 8	29°29	27° 2	6°35	T 30
F 31	20 58 14	13♌10'25	1♒ 6	18♌50	21♌57	28♊54	0♋29	27♎16	3♒30	14♐40	9♊25	27♍59	29♍26	27♐ 9	6♋40	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n46	18s32	5n 0	21n15	2s10	23n32	0n50	21n57	0n 4	23n11	0s14	7s51	2n29	19s49	0s39	21s21	1n23	13n 9	8s50	0s12	0s24	18s18	18n12	5s17
T 2	22 39	18 14	4 56	21 32	1 56	23 25	0 52	22 4	0 4	23 12	0 14	7 51	2 29	19 49	0 39	21 21	1 23	13 9	8 50	0 6	0 23	18 18	18 12	5 17
F 3	22 32	17 7	4 39	21 48	1 42	23 18	0 54	22 11	0 5	23 13	0 14	7 52	2 29	19 50	0 39	21 21	1 23	13 9	8 50	0 1	0 22	18 18	18 12	5 18
S 4	22 25	15 14	4 9	22 3	1 28	23 10	0 56	22 17	0 6	23 13	0 14	7 52	2 28	19 50	0 39	21 20	1 23	13 10	8 50	0n 3	0 21	18 19	18 11	5 18
S 5	22 18	12 40	3 27	22 18	1 14	23 1	0 57	22 24	0 6	23 14	0 13	7 53	2 28	19 51	0 39	21 20	1 23	13 10	8 50	0 7	0 19	18 19	18 11	5 18
M 6	22 10	9 30	2 35	22 32	1 0	22 52	0 59	22 30	0 7	23 14	0 13	7 53	2 28	19 52	0 39	21 20	1 23	13 10	8 51	0 9	0 18	18 19	18 11	5 18
T 7	22 1	5 53	1 35	22 45	0 47	22 41	1 1	22 36	0 8	23 15	0 13	7 54	2 28	19 52	0 39	21 20	1 23	13 10	8 51	0 11	0 17	18 19	18 10	5 18
W 8	21 53	1 56	0 29	22 56	0 33	22 31	1 2	22 41	0 9	23 15	0 13	7 55	2 27	19 53	0 39	21 20	1 23	13 10	8 51	0 11	0 15	18 19	18 10	5 18
T 9	21 44	2n11	0s40	23 6	0 20	22 19	1 4	22 47	0 9	23 16	0 13	7 56	2 27	19 53	0 39	21 20	1 22	13 10	8 51	0 11	0 14	18 19	18 9	5 19
F 10	21 34	6 18	1 48	23 14	0 7	22 7	1 6	22 52	0 10	23 16	0 13	7 56	2 27	19 54	0 39	21 20	1 22	13 10	8 51	0 11	0 13	18 20	18 9	5 19
S 11	21 24	10 12	2 53	23 20	0n 5	21 54	1 7	22 57	0 11	23 17	0 13	7 57	2 27	19 54	0 39	21 20	1 22	13 10	8 51	0 11	0 12	18 20	18 9	5 19
S 12	21 14	13 37	3 48	23 24	0 17	21 41	1 9	23 2	0 12	23 17	0 13	7 58	2 26	19 55	0 39	21 20	1 22	13 10	8 51	0 12	0 10	18 20	18 8	5 19
M13	21 4	16 19	4 31	23 25	0 28	21 27	1 10	23 7	0 12	23 18	0 13	7 59	2 26	19 56	0 39	21 20	1 22	13 10	8 51	0 14	0 9	18 20	18 8	5 20
T 14	20 53	18 0	4 57	23 24	0 39	21 12	1 11	23 12	0 13	23 18	0 13	8 0	2 26	19 56	0 39	21 20	1 22	13 10	8 51	0 16	0 8	18 20	18 7	5 20
W15	20 41	18 28	5 3	23 20	0 49	20 57	1 13	23 16	0 14	23 18	0 13	8 1	2 26	19 57	0 39	21 19	1 22	13 10	8 51	0 20	0 7	18 20	18 7	5 20
T 16	20 30	17 38	4 49	23 13	0 58	20 41	1 14	23 20	0 15	23 19	0 13	8 2	2 25	19 57	0 39	21 19	1 22	13 10	8 51	0 23	0 5	18 21	18 6	5 20
F 17	20 18	15 35	4 14	23 4	1 6	20 24	1 15	23 24	0 15	23 19	0 12	8 3	2 25	19 58	0 39	21 19	1 22	13 10	8 52	0 27	0 4	18 21	18 6	5 20
S 18	20 5	12 32	3 23	22 52	1 14	20 7	1 16	23 28	0 16	23 19	0 12	8 4	2 25	19 58	0 39	21 19	1 22	13 10	8 52	0 30	0 3	18 21	18 5	5 21
S 19	19 53	8 47	2 19	22 38	1 21	19 49	1 17	23 31	0 17	23 20	0 12	8 5	2 24	19 59	0 39	21 19	1 22	13 10	8 52	0 32	0 2	18 21	18 5	5 21
M20	19 40	4 38	1 9	22 20	1 27	19 31	1 18	23 35	0 18	23 20	0 12	8 6	2 24	20 0	0 39	21 19	1 22	13 10	8 52	0 33	0 0	18 21	18 5	5 21
T 21	19 27	0 24	0n 3	22 1	1 32	19 12	1 19	23 38	0 18	23 20	0 12	8 7	2 24	20 0	0 39	21 19	1 22	13 10	8 52	0 33	0n 1	18 21	18 4	5 22
W22	19 13	3s44	1 12	21 38	1 36	18 53	1 20	23 41	0 19	23 20	0 12	8 9	2 24	20 1	0 40	21 19	1 22	13 10	8 52	0 33	0 2	18 21	18 3	5 22
T 23	18 59	7 34	2 16	21 14	1 40	18 33	1 21	23 43	0 20	23 20	0 12	8 10	2 23	20 1	0 40	21 19	1 22	13 10	8 52	0 32	0 4	18 22	18 3	5 22
F 24	18 45	10 58	3 12	20 47	1 43	18 13	1 22	23 46	0 21	23 21	0 12	8 11	2 23	20 2	0 40	21 19	1 22	13 10	8 52	0 32	0 5	18 22	18 2	5 22
S 25	18 30	13 49	3 58	20 18	1 45	17 52	1 23	23 48	0 21	23 21	0 12	8 12	2 23	20 2	0 40	21 19	1 22	13 10	8 52	0 33	0 6	18 22	18 2	5 23
S 26	18 15	16 3	4 33	19 48	1 46	17 30	1 23	23 51	0 22	23 21	0 12	8 14	2 23	20 3	0 40	21 19	1 22	13 10	8 53	0 34	0 7	18 22	18 1	5 23
M27	18 0	17 35	4 56	19 15	1 46	17 8	1 24	23 53	0 23	23 21	0 12	8 15	2 22	20 4	0 40	21 19	1 22	13 10	8 53	0 36	0 9	18 22	18 1	5 23
T 28	17 44	18 21	5 7	18 42	1 46	16 46	1 24	23 54	0 24	23 21	0 12	8 16	2 22	20 4	0 40	21 19	1 22	13 10	8 53	0 38	0 10	18 22	18 0	5 24
W29	17 29	18 18	5 4	18 6	1 46	16 23	1 25	23 56	0 24	23 21	0 11	8 18	2 22	20 5	0 40	21 19	1 22	13 10	8 53	0 41	0 11	18 22	18 0	5 24
T 30	17 13	17 27	4 47	17 30	1 44	16 0	1 25	23 57	0 25	23 21	0 11	8 19	2 22	20 5	0 40	21 19	1 22	13 10	8 53	0 45	0 12	18 22	17 59	5 24
F 31	16n56	15s48	4n18	16n52	1n42	15n36	1n26	23n58	0n26	23n21	0s11	8s21	2n21	20s 6	0s40	21s19	1n22	13n10	8s53	0n48	0n14	18s22	17n58	5s25

Julian Day Number = 2144563.5, Delta T = 14m54s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'18, Lahiri = 12°08'18 Julian Calendar 1 July 1159 == Greg. Calendar 8 July 1159

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1159
geocentric

AUGUST 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 2 10	14♌ 8'09	13♒21	20♌45	23♌11	29♊33	0♋40	27♎19	3°R28	14°R39	9♊26	27°R52	29♍22	27♐16	6♋45	S 1
S 2	21 6 7	15° 5'54	25°45	22°38	24°25	0♋12	0°52	27°23	3♒26	14♐39	9°27	27♍46	29°19	27°22	6°51	S 2
M 3	21 10 3	16° 3'41	8♓20	24°30	25°39	0°51	1° 3	27°26	3°23	14°38	9°27	27°43	29°16	27°29	6°56	M 3
T 4	21 14 0	17° 1'29	21° 6	26°21	26°53	1°29	1°15	27°30	3°21	14°38	9°28	27°41	29°13	27°36	7° 1	T 4
W 5	21 17 56	17°59'19	4♈ 3	28°10	28° 8	2° 8	1°26	27°34	3°19	14°37	9°29	27°D41	29°10	27°42	7° 6	W 5
T 6	21 21 53	18°57'10	17°14	29°58	29°22	2°46	1°37	27°38	3°17	14°37	9°29	27°42	29° 7	27°49	7°11	T 6
F 7	21 25 50	19°55'03	0♉40	1♍44	0♍36	3°25	1°48	27°42	3°14	14°36	9°30	27°43	29° 3	27°56	7°16	F 7
S 8	21 29 46	20°52'58	14°22	3°30	1°50	4° 3	1°59	27°46	3°12	14°36	9°30	27°44	29° 0	28° 3	7°21	S 8
S 9	21 33 43	21°50'56	28°21	5°14	3° 5	4°42	2°10	27°50	3°10	14°35	9°31	27°R44	28°57	28° 9	7°26	S 9
M10	21 37 39	22°48'55	12♊35	6°56	4°19	5°20	2°21	27°54	3° 8	14°35	9°32	27°43	28°54	28°16	7°31	M10
T 11	21 41 36	23°46'56	27° 4	8°38	5°33	5°58	2°32	27°58	3° 5	14°35	9°32	27°40	28°51	28°23	7°36	T 11
W12	21 45 32	24°44'59	11♋42	10°18	6°47	6°36	2°43	28° 3	3° 3	14°34	9°33	27°36	28°48	28°29	7°41	W12
T 13	21 49 29	25°43'04	26°24	11°57	8° 2	7°14	2°53	28° 7	3° 1	14°34	9°33	27°31	28°44	28°36	7°46	T 13
F 14	21 53 25	26°41'11	11♌ 4	13°34	9°16	7°52	3° 4	28°12	2°59	14°34	9°33	27°27	28°41	28°43	7°51	F 14
S 15	21 57 22	27°39'19	25°34	15°11	10°30	8°30	3°14	28°16	2°57	14°34	9°34	27°23	28°38	28°50	7°55	S 15
S 16	22 1 19	28°37'29	9♍47	16°46	11°44	9° 8	3°25	28°21	2°55	14°34	9°34	27°21	28°35	28°56	8° 0	S 16
M17	22 5 15	29°35'41	23°39	18°19	12°59	9°46	3°35	28°26	2°53	14°33	9°35	27°D20	28°32	29° 3	8° 5	M17
T 18	22 9 12	0♍33'55	7♎ 8	19°52	14°13	10°23	3°45	28°30	2°51	14°33	9°35	27°20	28°28	29°10	8° 9	T 18
W19	22 13 8	1°32'10	20°13	21°24	15°27	11° 1	3°55	28°35	2°49	14°33	9°35	27°21	28°25	29°17	8°14	W19
T 20	22 17 5	2°30'26	2♏57	22°54	16°42	11°38	4° 5	28°40	2°47	14°33	9°36	27°23	28°22	29°23	8°18	T 20
F 21	22 21 1	3°28'45	15°21	24°23	17°56	12°16	4°15	28°45	2°45	14°D33	9°36	27°24	28°19	29°30	8°22	F 21
S 22	22 24 58	4°27'05	27°31	25°51	19°10	12°53	4°25	28°50	2°43	14°33	9°36	27°25	28°16	29°37	8°27	S 22
S 23	22 28 54	5°25'26	9♐31	27°17	20°25	13°31	4°34	28°55	2°41	14°33	9°37	27°R25	28°13	29°43	8°31	S 23
M24	22 32 51	6°23'50	21°25	28°43	21°39	14° 8	4°44	29° 0	2°39	14°33	9°37	27°25	28° 9	29°50	8°35	M24
T 25	22 36 48	7°22'14	3♑18	0♎ 7	22°53	14°45	4°53	29° 6	2°37	14°33	9°37	27°23	28° 6	29°57	8°39	T 25
W26	22 40 44	8°20'41	15°15	1°29	24° 7	15°22	5° 2	29°11	2°35	14°34	9°37	27°20	28° 3	0♑ 4	8°43	W26
T 27	22 44 41	9°19'09	27°18	2°51	25°22	15°59	5°12	29°16	2°33	14°34	9°37	27°18	28° 0	0°10	8°47	T 27
F 28	22 48 37	10°17'39	9♒31	4°11	26°36	16°36	5°21	29°22	2°32	14°34	9°37	27°15	27°57	0°17	8°51	F 28
S 29	22 52 34	11°16'11	21°57	5°29	27°50	17°13	5°30	29°27	2°30	14°34	9°38	27°13	27°53	0°24	8°55	S 29
S 30	22 56 30	12°14'45	4♓36	6°46	29° 5	17°49	5°38	29°33	2°28	14°35	9°38	27°11	27°50	0°31	8°59	S 30
M31	23 0 27	13♍13'20	17♓29	8♎ 2	0♎19	18♋26	5♋47	29♎38	2♒27	14♐35	9♊38	27♍10	27♍47	0♑37	9♋ 3	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n40	13s26	3n36	16n13	1n40	15n12	1n26	23n59	0n27	23n21	0s11	8s22	2n21	20s 6	0s40	21s19	1n22	13n10	8s53	0n51	0n15	18s23	17n58	5s25
S 2	16 23	10 25	2 44	15 33	1 37	14 48	1 26	24 0	0 28	23 21	0 11	8 24	2 21	20 7	0 40	21 19	1 21	13 10	8 53	0 53	0 16	18 23	17 57	5 25
M 3	16 6	6 53	1 43	14 53	1 34	14 23	1 26	24 1	0 28	23 21	0 11	8 25	2 21	20 7	0 40	21 19	1 21	13 10	8 54	0 55	0 18	18 23	17 57	5 26
T 4	15 48	3 0	0 36	14 12	1 30	13 57	1 26	24 1	0 29	23 21	0 11	8 27	2 21	20 8	0 40	21 19	1 21	13 10	8 54	0 56	0 19	18 23	17 56	5 26
W 5	15 30	1n 5	0s35	13 30	1 25	13 32	1 26	24 2	0 30	23 21	0 11	8 28	2 20	20 9	0 40	21 19	1 21	13 10	8 54	0 56	0 20	18 23	17 55	5 26
T 6	15 13	5 12	1 44	12 48	1 21	13 5	1 26	24 2	0 31	23 21	0 11	8 30	2 20	20 9	0 40	21 18	1 21	13 10	8 54	0 55	0 21	18 23	17 55	5 27
F 7	14 54	9 6	2 50	12 5	1 16	12 39	1 26	24 2	0 31	23 21	0 11	8 31	2 20	20 10	0 39	21 18	1 21	13 10	8 54	0 55	0 23	18 23	17 54	5 27
S 8	14 36	12 36	3 47	11 22	1 10	12 12	1 26	24 1	0 32	23 21	0 11	8 33	2 20	20 10	0 39	21 18	1 21	13 10	8 54	0 54	0 24	18 23	17 53	5 27
S 9	14 17	15 28	4 32	10 38	1 5	11 45	1 26	24 1	0 33	23 21	0 11	8 35	2 19	20 11	0 39	21 18	1 21	13 10	8 54	0 54	0 25	18 23	17 53	5 28
M10	13 58	17 26	5 1	9 55	0 59	11 18	1 25	24 0	0 34	23 21	0 10	8 37	2 19	20 11	0 39	21 19	1 21	13 10	8 55	0 55	0 26	18 23	17 52	5 28
T 11	13 39	18 19	5 12	9 11	0 53	10 50	1 25	23 59	0 35	23 21	0 10	8 38	2 19	20 12	0 39	21 19	1 21	13 10	8 55	0 56	0 28	18 23	17 52	5 29
W12	13 20	18 0	5 2	8 27	0 46	10 22	1 24	23 58	0 35	23 21	0 10	8 40	2 19	20 12	0 39	21 19	1 21	13 10	8 55	0 58	0 29	18 24	17 51	5 29
T 13	13 0	16 30	4 33	7 43	0 39	9 54	1 24	23 57	0 36	23 21	0 10	8 42	2 18	20 13	0 39	21 19	1 21	13 10	8 55	0 59	0 30	18 24	17 50	5 29
F 14	12 40	13 54	3 46	6 59	0 33	9 25	1 23	23 56	0 37	23 20	0 10	8 44	2 18	20 13	0 39	21 19	1 21	13 10	8 55	1 1	0 31	18 24	17 49	5 30
S 15	12 20	10 28	2 45	6 16	0 26	8 56	1 23	23 54	0 38	23 20	0 10	8 45	2 18	20 14	0 39	21 19	1 21	13 9	8 55	1 3	0 33	18 24	17 49	5 30
S 16	12 0	6 28	1 35	5 32	0 18	8 27	1 22	23 52	0 39	23 20	0 10	8 47	2 18	20 14	0 39	21 19	1 21	13 9	8 55	1 4	0 34	18 24	17 48	5 31
M17	11 40	2 13	0 20	4 48	0 11	7 58	1 21	23 50	0 39	23 20	0 10	8 49	2 18	20 15	0 39	21 19	1 21	13 9	8 56	1 4	0 35	18 24	17 47	5 31
T 18	11 19	2s 1	0n54	4 5	0 3	7 28	1 20	23 48	0 40	23 20	0 10	8 51	2 17	20 15	0 39	21 19	1 21	13 9	8 56	1 4	0 37	18 24	17 47	5 32
W19	10 59	6 3	2 2	3 22	0s 4	6 59	1 19	23 46	0 41	23 20	0 10	8 53	2 17	20 15	0 39	21 19	1 21	13 9	8 56	1 3	0 38	18 24	17 46	5 32
T 20	10 38	9 41	3 3	2 39	0 12	6 29	1 19	23 44	0 42	23 19	0 10	8 55	2 17	20 16	0 39	21 19	1 21	13 9	8 56	1 3	0 39	18 24	17 45	5 32
F 21	10 17	12 47	3 54	1 56	0 20	5 59	1 17	23 41	0 43	23 19	0 10	8 57	2 17	20 16	0 39	21 19	1 20	13 9	8 56	1 2	0 40	18 24	17 45	5 33
S 22	9 55	15 16	4 33	1 14	0 28	5 28	1 16	23 38	0 43	23 19	0 9	8 59	2 17	20 17	0 39	21 19	1 20	13 9	8 56	1 2	0 42	18 24	17 44	5 33
S 23	9 34	17 2	5 0	0 32	0 36	4 58	1 15	23 35	0 44	23 19	0 9	9 1	2 16	20 17	0 39	21 19	1 20	13 9	8 57	1 2	0 43	18 24	17 43	5 34
M24	9 12	18 3	5 13	0s10	0 44	4 28	1 14	23 32	0 45	23 18	0 9	9 3	2 16	20 18	0 39	21 19	1 20	13 9	8 57	1 2	0 44	18 24	17 42	5 34
T 25	8 51	18 17	5 13	0 51	0 52	3 57	1 13	23 29	0 46	23 18	0 9	9 5	2 16	20 18	0 39	21 19	1 20	13 8	8 57	1 3	0 45	18 24	17 42	5 35
W26	8 29	17 42	5 0	1 31	1 1	3 26	1 11	23 26	0 47	23 18	0 9	9 7	2 16	20 18	0 39	21 19	1 20	13 8	8 57	1 4	0 47	18 24	17 41	5 35
T 27	8 7	16 20	4 33	2 11	1 9	2 55	1 10	23 22	0 48	23 18	0 9	9 9	2 16	20 19	0 39	21 19	1 20	13 8	8 57	1 5	0 48	18 24	17 40	5 36
F 28	7 44	14 12	3 54	2 51	1 17	2 24	1 9	23 19	0 48	23 17	0 9	9 11	2 15	20 19	0 39	21 19	1 20	13 8	8 57	1 6	0 49	18 24	17 39	5 36
S 29	7 22	11 23	3 2	3 29	1 25	1 53	1 7	23 15	0 49	23 17	0 9	9 13	2 15	20 20	0 39	21 19	1 20	13 8	8 57	1 7	0 51	18 24	17 39	5 37
S 30	7 0	7 59	2 2	4 7	1 33	1 22	1 5	23 11	0 50	23 17	0 9	9 15	2 15	20 20	0 39	21 19	1 20	13 8	8 58	1 8	0 52	18 24	17 38	5 37
M31	6n37	4s 9	0n53	4s45	1s41	0n51	1n 4	23n 7	0n51	23n16	0s 9	9s17	2n15	20s20	0s39	21s20	1n20	13n 8	8s58	1n 8	0n53	18s24	17n37	5s38

Julian Day Number = 2144594.5, Delta T = 14m54s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'22, Lahiri = 12°08'22 Julian Calendar 1 Aug. 1159 == Greg. Calendar 8 Aug. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

SEPTEMBER 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 23	14♍11'57	0♈36	9♎16	1♎33	19♋ 3	5♋56	29♎44	2°R25	14♐35	9♊38	27°D10	27♍44	0♉44	9♋ 6	T 1
W 2	23 8 20	15°10'37	13°57	10°28	2°47	19°39	6° 4	29°50	2♒24	14°36	9°38	27♍10	27°41	0°51	9°10	W 2
T 3	23 12 16	16° 9'19	27°30	11°39	4° 2	20°16	6°12	29°56	2°22	14°36	9°R38	27°11	27°38	0°57	9°13	T 3
F 4	23 16 13	17° 8'03	11♉15	12°48	5°16	20°52	6°20	0♏ 1	2°21	14°37	9°38	27°12	27°34	1° 4	9°17	F 4
S 5	23 20 10	18° 6'49	25°10	13°54	6°30	21°28	6°29	0° 7	2°19	14°37	9°38	27°13	27°31	1°11	9°20	S 5
S 6	23 24 6	19° 5'38	9♊14	14°59	7°44	22° 4	6°36	0°13	2°18	14°38	9°38	27°13	27°28	1°18	9°24	S 6
M 7	23 28 3	20° 4'28	23°25	16° 1	8°59	22°40	6°44	0°19	2°16	14°38	9°38	27°R13	27°25	1°24	9°27	M 7
T 8	23 31 59	21° 3'22	7♋40	17° 1	10°13	23°16	6°52	0°25	2°15	14°39	9°38	27°13	27°22	1°31	9°30	T 8
W 9	23 35 56	22° 2'18	21°57	17°58	11°27	23°52	6°59	0°31	2°14	14°39	9°38	27°13	27°19	1°38	9°33	W 9
T 10	23 39 52	23° 1'16	6♌13	18°53	12°41	24°28	7° 7	0°37	2°12	14°40	9°37	27°12	27°15	1°44	9°36	T 10
F 11	23 43 49	24° 0'16	20°25	19°44	13°56	25° 4	7°14	0°43	2°11	14°41	9°37	27°12	27°12	1°51	9°39	F 11
S 12	23 47 45	24°59'18	4♍27	20°32	15°10	25°39	7°21	0°50	2°10	14°41	9°37	27°11	27° 9	1°58	9°42	S 12
S 13	23 51 42	25°58'23	18°17	21°17	16°24	26°15	7°28	0°56	2° 9	14°42	9°37	27°11	27° 6	2° 5	9°45	S 13
M14	23 55 39	26°57'30	1♎52	21°57	17°38	26°50	7°35	1° 2	2° 8	14°43	9°37	27°11	27° 3	2°11	9°48	M14
T 15	23 59 35	27°56'38	15° 9	22°33	18°53	27°26	7°41	1° 9	2° 7	14°44	9°36	27°11	26°59	2°18	9°50	T 15
W16	0 3 32	28°55'49	28° 8	23° 5	20° 7	28° 1	7°48	1°15	2° 6	14°44	9°36	27°11	26°56	2°25	9°53	W16
T 17	0 7 28	29°55'02	10♏49	23°31	21°21	28°36	7°54	1°21	2° 5	14°45	9°36	27°11	26°53	2°32	9°55	T 17
F 18	0 11 25	0♎54'17	23°13	23°52	22°35	29°11	8° 0	1°28	2° 4	14°46	9°36	27°11	26°50	2°38	9°58	F 18
S 19	0 15 21	1°53'33	5♐24	24° 7	23°50	29°46	8° 6	1°34	2° 3	14°47	9°35	27°10	26°47	2°45	10° 0	S 19
S 20	0 19 18	2°52'52	17°25	24°16	25° 4	0♌21	8°12	1°41	2° 2	14°48	9°35	27°10	26°44	2°52	10° 2	S 20
M21	0 23 14	3°52'12	29°19	24°R17	26°18	0°56	8°18	1°47	2° 2	14°49	9°34	27°D 9	26°40	2°58	10° 4	M21
T 22	0 27 11	4°51'34	11♑12	24°11	27°32	1°30	8°23	1°54	2° 1	14°50	9°34	27° 9	26°37	3° 5	10° 6	T 22
W23	0 31 8	5°50'58	23° 8	23°57	28°46	2° 5	8°29	2° 1	2° 0	14°51	9°34	27°10	26°34	3°12	10° 8	W23
T 24	0 35 4	6°50'24	5♒12	23°36	0♏ 1	2°39	8°34	2° 7	2° 0	14°52	9°33	27°11	26°31	3°19	10°10	T 24
F 25	0 39 1	7°49'51	17°28	23° 5	1°15	3°14	8°39	2°14	1°59	14°53	9°33	27°12	26°28	3°25	10°12	F 25
S 26	0 42 57	8°49'21	29°59	22°27	2°29	3°48	8°44	2°21	1°59	14°55	9°32	27°13	26°24	3°32	10°14	S 26
S 27	0 46 54	9°48'52	12♓49	21°40	3°43	4°22	8°49	2°27	1°58	14°56	9°32	27°13	26°21	3°39	10°16	S 27
M28	0 50 50	10°48'25	25°58	20°45	4°57	4°56	8°53	2°34	1°58	14°57	9°31	27°R14	26°18	3°45	10°17	M28
T 29	0 54 47	11°48'00	9♈27	19°43	6°11	5°30	8°57	2°41	1°57	14°58	9°31	27°14	26°15	3°52	10°19	T 29
W30	0 58 43	12♎47'37	23♈14	18♎36	7♏25	6♌ 4	9♋ 2	2♏48	1♒57	14♐59	9♊30	27♍12	26♍12	3♉59	10♋20	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n15	0s 3	0s19	5s22	1s49	0n20	1n 2	23n 2	0n52	23n16	0s 9	9s20	2n15	20s21	0s39	21s20	1n20	13n 7	8s58	1n 8	0n54	18s24	17n36	5s38
W 2	5 52	4n 7	1 32	5 57	1 57	0s11	1 0	22 58	0 53	23 16	0 8	9 22	2 15	20 21	0 39	21 20	1 20	13 7	8 58	1 8	0 56	18 24	17 36	5 39
T 3	5 29	8 8	2 40	6 32	2 5	0 43	0 59	22 54	0 54	23 16	0 8	9 24	2 14	20 21	0 39	21 20	1 20	13 7	8 58	1 7	0 57	18 24	17 35	5 39
F 4	5 6	11 47	3 41	7 6	2 13	1 14	0 57	22 49	0 54	23 15	0 8	9 26	2 14	20 22	0 39	21 20	1 20	13 7	8 58	1 7	0 58	18 24	17 34	5 40
S 5	4 43	14 48	4 29	7 40	2 20	1 45	0 55	22 44	0 55	23 15	0 8	9 28	2 14	20 22	0 39	21 20	1 20	13 7	8 59	1 7	0 59	18 24	17 33	5 40
S 6	4 20	16 58	5 1	8 11	2 27	2 16	0 53	22 39	0 56	23 15	0 8	9 31	2 14	20 22	0 39	21 20	1 20	13 7	8 59	1 7	1 1	18 24	17 33	5 41
M 7	3 57	18 7	5 16	8 42	2 35	2 48	0 51	22 34	0 57	23 14	0 8	9 33	2 14	20 23	0 39	21 20	1 20	13 7	8 59	1 7	1 2	18 24	17 32	5 41
T 8	3 34	18 8	5 12	9 12	2 42	3 19	0 49	22 29	0 58	23 14	0 8	9 35	2 14	20 23	0 39	21 20	1 20	13 6	8 59	1 7	1 3	18 24	17 31	5 42
W 9	3 10	17 1	4 48	9 40	2 48	3 50	0 47	22 23	0 59	23 14	0 8	9 37	2 14	20 23	0 39	21 21	1 19	13 6	8 59	1 7	1 4	18 24	17 30	5 42
T 10	2 47	14 49	4 6	10 7	2 55	4 21	0 45	22 18	1 0	23 13	0 8	9 40	2 13	20 23	0 39	21 21	1 19	13 6	8 59	1 7	1 6	18 24	17 30	5 43
F 11	2 23	11 45	3 10	10 32	3 1	4 52	0 42	22 12	1 0	23 13	0 8	9 42	2 13	20 24	0 39	21 21	1 19	13 6	8 59	1 7	1 7	18 24	17 29	5 44
S 12	2 0	8 1	2 3	10 56	3 6	5 23	0 40	22 7	1 1	23 13	0 8	9 44	2 13	20 24	0 39	21 21	1 19	13 6	9 0	1 7	1 8	18 24	17 28	5 44
S 13	1 36	3 54	0 49	11 17	3 11	5 54	0 38	22 1	1 2	23 13	0 7	9 46	2 13	20 24	0 39	21 21	1 19	13 6	9 0	1 7	1 10	18 24	17 27	5 45
M14	1 13	0s21	0n26	11 37	3 16	6 24	0 36	21 55	1 3	23 12	0 7	9 49	2 13	20 24	0 39	21 21	1 19	13 5	9 0	1 7	1 11	18 24	17 27	5 45
T 15	0 49	4 29	1 38	11 54	3 20	6 55	0 33	21 49	1 4	23 12	0 7	9 51	2 13	20 25	0 39	21 21	1 19	13 5	9 0	1 7	1 12	18 24	17 26	5 46
W16	0 26	8 19	2 43	12 10	3 24	7 25	0 31	21 43	1 5	23 12	0 7	9 53	2 13	20 25	0 39	21 22	1 19	13 5	9 0	1 7	1 13	18 24	17 25	5 46
T 17	0 2	11 40	3 39	12 22	3 26	7 55	0 29	21 36	1 6	23 11	0 7	9 56	2 12	20 25	0 39	21 22	1 19	13 5	9 0	1 8	1 15	18 24	17 24	5 47
F 18	0s22	14 25	4 23	12 32	3 28	8 25	0 26	21 30	1 7	23 11	0 7	9 58	2 12	20 25	0 39	21 22	1 19	13 5	9 0	1 8	1 16	18 24	17 24	5 47
S 19	0 45	16 28	4 54	12 38	3 30	8 55	0 24	21 23	1 8	23 11	0 7	10 0	2 12	20 25	0 39	21 22	1 19	13 4	9 1	1 8	1 17	18 24	17 23	5 48
S 20	1 9	17 46	5 12	12 41	3 30	9 25	0 21	21 17	1 9	23 11	0 7	10 3	2 12	20 25	0 39	21 22	1 19	13 4	9 1	1 8	1 18	18 24	17 22	5 49
M21	1 33	18 16	5 17	12 41	3 29	9 54	0 19	21 10	1 9	23 10	0 7	10 5	2 12	20 26	0 39	21 22	1 19	13 4	9 1	1 8	1 20	18 24	17 21	5 49
T 22	1 56	17 58	5 8	12 37	3 26	10 24	0 16	21 3	1 10	23 10	0 7	10 8	2 12	20 26	0 39	21 22	1 19	13 4	9 1	1 8	1 21	18 24	17 21	5 50
W23	2 20	16 52	4 45	12 28	3 22	10 53	0 13	20 56	1 11	23 10	0 7	10 10	2 12	20 26	0 39	21 23	1 19	13 4	9 1	1 8	1 22	18 24	17 20	5 50
T 24	2 44	15 1	4 10	12 15	3 17	11 21	0 11	20 50	1 12	23 10	0 6	10 12	2 12	20 26	0 39	21 23	1 19	13 3	9 1	1 8	1 24	18 24	17 19	5 51
F 25	3 7	12 27	3 23	11 57	3 10	11 50	0 8	20 42	1 13	23 9	0 6	10 15	2 11	20 26	0 39	21 23	1 19	13 3	9 1	1 7	1 25	18 24	17 18	5 52
S 26	3 31	9 16	2 25	11 35	3 2	12 18	0 5	20 35	1 14	23 9	0 6	10 17	2 11	20 26	0 39	21 23	1 19	13 3	9 2	1 7	1 26	18 24	17 18	5 52
S 27	3 54	5 34	1 19	11 7	2 51	12 46	0 3	20 28	1 15	23 9	0 6	10 20	2 11	20 26	0 39	21 23	1 19	13 3	9 2	1 7	1 27	18 24	17 17	5 53
M28	4 18	1 30	0 7	10 35	2 39	13 14	0 0	20 21	1 16	23 9	0 6	10 22	2 11	20 26	0 39	21 23	1 19	13 3	9 2	1 6	1 29	18 24	17 16	5 53
T 29	4 41	2n44	1s 7	9 59	2 25	13 41	0s 3	20 13	1 17	23 9	0 6	10 24	2 11	20 26	0 39	21 24	1 18	13 2	9 2	1 6	1 30	18 23	17 16	5 54
W30	5s 5	6n55	2s19	9s18	2s 9	14s 8	0s 5	20n 6	1n18	23n 8	0s 6	10s27	2n11	20s26	0s39	21s24	1n18	13n 2	9s 2	1n 7	1n31	18s23	17n15	5s55

Julian Day Number = 2144625.5, Delta T = 14m54s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'26, Lahiri = 12°08'27 Julian Calendar 1 Sept. 1159 == Greg. Calendar 8 Sept. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

OCTOBER 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 2 40	13♎47'17	7♉16	17°R24	8♏40	6♌37	9♋ 6	2♏55	1°R57	15♐ 1	9°R30	27°R11	26♍ 9	4♑ 6	10♋21	T 1
F 2	1 6 36	14°46'58	21°29	16♎ 9	9°54	7°11	9° 9	3° 2	1♒57	15° 2	9♊29	27♍ 8	26° 5	4°12	10°23	F 2
S 3	1 10 33	15°46'42	5♊49	14°54	11° 8	7°44	9°13	3° 9	1°56	15° 3	9°28	27° 6	26° 2	4°19	10°24	S 3
S 4	1 14 30	16°46'28	20°10	13°41	12°22	8°18	9°16	3°16	1°56	15° 5	9°28	27° 4	25°59	4°26	10°25	S 4
M 5	1 18 26	17°46'16	4♋29	12°32	13°36	8°51	9°20	3°22	1°56	15° 6	9°27	27° 2	25°56	4°33	10°26	M 5
T 6	1 22 23	18°46'07	18°42	11°29	14°50	9°24	9°23	3°29	1°D56	15° 8	9°26	27°D 2	25°53	4°39	10°27	T 6
W 7	1 26 19	19°46'00	2♌47	10°34	16° 4	9°57	9°26	3°36	1°56	15° 9	9°26	27° 2	25°50	4°46	10°27	W 7
T 8	1 30 16	20°45'55	16°43	9°49	17°18	10°30	9°28	3°43	1°56	15°10	9°25	27° 3	25°46	4°53	10°28	T 8
F 9	1 34 12	21°45'53	0♍29	9°14	18°32	11° 2	9°31	3°50	1°57	15°12	9°24	27° 5	25°43	4°59	10°29	F 9
S 10	1 38 9	22°45'52	14° 4	8°50	19°46	11°35	9°33	3°58	1°57	15°14	9°24	27° 6	25°40	5° 6	10°29	S 10
S 11	1 42 5	23°45'54	27°27	8°38	21° 0	12° 7	9°35	4° 5	1°57	15°15	9°23	27°R 7	25°37	5°13	10°30	S 11
M12	1 46 2	24°45'58	10♎38	8°D37	22°14	12°40	9°37	4°12	1°57	15°17	9°22	27° 6	25°34	5°20	10°30	M12
T 13	1 49 59	25°46'03	23°36	8°47	23°28	13°12	9°39	4°19	1°58	15°18	9°21	27° 4	25°30	5°26	10°30	T 13
W14	1 53 55	26°46'11	6♏22	9° 8	24°42	13°44	9°41	4°26	1°58	15°20	9°20	27° 0	25°27	5°33	10°30	W14
T 15	1 57 52	27°46'21	18°53	9°39	25°56	14°15	9°42	4°33	1°58	15°22	9°20	26°55	25°24	5°40	10°R30	T 15
F 16	2 1 48	28°46'32	1♐13	10°18	27°10	14°47	9°43	4°40	1°59	15°23	9°19	26°49	25°21	5°46	10°30	F 16
S 17	2 5 45	29°46'45	13°21	11° 5	28°24	15°19	9°44	4°47	1°59	15°25	9°18	26°44	25°18	5°53	10°30	S 17
S 18	2 9 41	0♏47'00	25°20	12° 0	29°38	15°50	9°45	4°54	2° 0	15°27	9°17	26°38	25°15	6° 0	10°30	S 18
M19	2 13 38	1°47'16	7♑13	13° 1	0♐52	16°21	9°45	5° 1	2° 1	15°28	9°16	26°34	25°11	6° 7	10°30	M19
T 20	2 17 34	2°47'34	19° 4	14° 7	2° 6	16°52	9°46	5° 9	2° 1	15°30	9°15	26°31	25° 8	6°13	10°29	T 20
W21	2 21 31	3°47'54	0♒58	15°18	3°20	17°23	9°R46	5°16	2° 2	15°32	9°14	26°D30	25° 5	6°20	10°29	W21
T 22	2 25 28	4°48'14	12°59	16°33	4°34	17°54	9°46	5°23	2° 3	15°34	9°13	26°30	25° 2	6°27	10°28	T 22
F 23	2 29 24	5°48'37	25°13	17°52	5°48	18°24	9°46	5°30	2° 4	15°36	9°13	26°32	24°59	6°34	10°27	F 23
S 24	2 33 21	6°49'01	7♓43	19°14	7° 2	18°55	9°45	5°37	2° 5	15°37	9°12	26°33	24°56	6°40	10°27	S 24
S 25	2 37 17	7°49'26	20°35	20°38	8°16	19°25	9°45	5°44	2° 6	15°39	9°11	26°R34	24°52	6°47	10°26	S 25
M26	2 41 14	8°49'52	3♈52	22° 4	9°29	19°55	9°44	5°51	2° 7	15°41	9°10	26°34	24°49	6°54	10°25	M26
T 27	2 45 10	9°50'20	17°34	23°32	10°43	20°25	9°43	5°59	2° 8	15°43	9° 9	26°32	24°46	7° 0	10°24	T 27
W28	2 49 7	10°50'50	1♉40	25° 1	11°57	20°55	9°42	6° 6	2° 9	15°45	9° 8	26°28	24°43	7° 7	10°23	W28
T 29	2 53 3	11°51'21	16° 8	26°32	13°11	21°24	9°40	6°13	2°10	15°47	9° 7	26°22	24°40	7°14	10°21	T 29
F 30	2 57 0	12°51'54	0♊50	28° 3	14°24	21°54	9°38	6°20	2°11	15°49	9° 6	26°15	24°36	7°21	10°20	F 30
S 31	3 0 57	13♏52'28	15♊39	29♎35	15♐38	22♌23	9♋37	6♏27	2♒13	15♐51	9♊ 5	26♍ 8	24♍33	7♑27	10♋19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s28	10n48	3s23	8s34	1s51	14s35	0s 8	19n58	1n19	23n 8	0s 6	10s29	2n11	20s26	0s38	21s24	1n18	13n 2	9s 2	1n 8	1n32	18s23	17n14	5s55
F 2	5 51	14 5	4 16	7 48	1 32	15 1	0 11	19 51	1 20	23 8	0 6	10 32	2 11	20 26	0 38	21 24	1 18	13 2	9 2	1 9	1 34	18 23	17 13	5 56
S 3	6 14	16 33	4 54	7 1	1 13	15 27	0 14	19 43	1 21	23 8	0 5	10 34	2 11	20 26	0 38	21 24	1 18	13 2	9 2	1 10	1 35	18 23	17 13	5 56
S 4	6 37	17 59	5 13	6 13	0 52	15 53	0 16	19 35	1 22	23 8	0 5	10 36	2 11	20 26	0 38	21 25	1 18	13 1	9 3	1 10	1 36	18 23	17 12	5 57
M 5	7 0	18 16	5 12	5 27	0 31	16 18	0 19	19 27	1 23	23 8	0 5	10 39	2 11	20 26	0 38	21 25	1 18	13 1	9 3	1 11	1 37	18 23	17 11	5 58
T 6	7 23	17 24	4 53	4 44	0 11	16 42	0 22	19 20	1 24	23 8	0 5	10 41	2 11	20 26	0 38	21 25	1 18	13 1	9 3	1 11	1 39	18 23	17 11	5 58
W 7	7 46	15 28	4 16	4 4	0n 9	17 7	0 25	19 12	1 25	23 7	0 5	10 44	2 10	20 26	0 38	21 25	1 18	13 1	9 3	1 11	1 40	18 23	17 10	5 59
T 8	8 9	12 39	3 24	3 29	0 28	17 31	0 27	19 4	1 26	23 7	0 5	10 46	2 10	20 26	0 38	21 25	1 18	13 1	9 3	1 10	1 41	18 23	17 9	6 0
F 9	8 31	9 9	2 21	2 59	0 46	17 54	0 30	18 56	1 27	23 7	0 5	10 49	2 10	20 26	0 38	21 26	1 18	13 0	9 3	1 10	1 43	18 23	17 9	6 0
S 10	8 54	5 12	1 11	2 34	1 2	18 17	0 33	18 48	1 28	23 7	0 5	10 51	2 10	20 26	0 38	21 26	1 18	13 0	9 3	1 9	1 44	18 22	17 8	6 1
S 11	9 16	1 3	0n 2	2 16	1 16	18 40	0 36	18 39	1 29	23 7	0 5	10 54	2 10	20 26	0 38	21 26	1 18	13 0	9 3	1 9	1 45	18 22	17 7	6 1
M12	9 38	3s 6	1 14	2 4	1 29	19 2	0 38	18 31	1 30	23 7	0 5	10 56	2 10	20 26	0 38	21 26	1 18	13 0	9 3	1 9	1 46	18 22	17 7	6 2
T 13	10 0	7 2	2 20	1 58	1 40	19 23	0 41	18 23	1 31	23 7	0 4	10 58	2 10	20 26	0 38	21 26	1 18	13 0	9 4	1 10	1 48	18 22	17 6	6 3
W14	10 22	10 35	3 18	1 58	1 49	19 44	0 44	18 15	1 32	23 7	0 4	11 1	2 10	20 26	0 38	21 27	1 18	12 59	9 4	1 12	1 49	18 22	17 6	6 3
T 15	10 44	13 34	4 6	2 3	1 57	20 5	0 47	18 7	1 33	23 7	0 4	11 3	2 10	20 26	0 38	21 27	1 18	12 59	9 4	1 14	1 50	18 22	17 5	6 4
F 16	11 5	15 54	4 41	2 13	2 3	20 25	0 49	17 58	1 34	23 7	0 4	11 6	2 10	20 25	0 38	21 27	1 18	12 59	9 4	1 16	1 51	18 22	17 4	6 4
S 17	11 27	17 30	5 3	2 27	2 7	20 44	0 52	17 50	1 35	23 7	0 4	11 8	2 10	20 25	0 38	21 27	1 18	12 59	9 4	1 18	1 53	18 22	17 4	6 5
S 18	11 48	18 17	5 11	2 46	2 11	21 3	0 55	17 41	1 36	23 7	0 4	11 10	2 10	20 25	0 38	21 28	1 18	12 59	9 4	1 21	1 54	18 22	17 3	6 6
M19	12 9	18 15	5 6	3 7	2 13	21 21	0 57	17 33	1 37	23 7	0 4	11 13	2 10	20 25	0 38	21 28	1 18	12 58	9 4	1 22	1 55	18 21	17 3	6 6
T 20	12 30	17 26	4 48	3 32	2 14	21 39	1 0	17 25	1 38	23 8	0 4	11 15	2 10	20 25	0 38	21 28	1 18	12 58	9 4	1 23	1 56	18 21	17 2	6 7
W21	12 50	15 51	4 17	4 0	2 14	21 56	1 3	17 16	1 40	23 8	0 3	11 18	2 10	20 25	0 38	21 28	1 18	12 58	9 4	1 24	1 58	18 21	17 1	6 7
T 22	13 11	13 34	3 35	4 30	2 12	22 13	1 5	17 8	1 41	23 8	0 3	11 20	2 10	20 24	0 38	21 28	1 18	12 58	9 4	1 24	1 59	18 21	17 1	6 8
F 23	13 31	10 38	2 42	5 2	2 11	22 29	1 8	16 59	1 42	23 8	0 3	11 22	2 10	20 24	0 38	21 29	1 17	12 57	9 4	1 23	2 0	18 21	17 0	6 9
S 24	13 51	7 9	1 41	5 35	2 8	22 44	1 10	16 51	1 43	23 8	0 3	11 25	2 10	20 24	0 38	21 29	1 17	12 57	9 4	1 23	2 2	18 21	17 0	6 9
S 25	14 11	3 15	0 32	6 10	2 5	22 59	1 13	16 42	1 44	23 8	0 3	11 27	2 10	20 24	0 38	21 29	1 17	12 57	9 4	1 22	2 3	18 21	16 59	6 10
M26	14 30	0n56	0s39	6 46	2 1	23 12	1 15	16 34	1 45	23 8	0 3	11 30	2 10	20 23	0 38	21 29	1 17	12 57	9 5	1 22	2 4	18 20	16 59	6 10
T 27	14 50	5 13	1 51	7 22	1 57	23 26	1 17	16 25	1 46	23 9	0 3	11 32	2 10	20 23	0 38	21 30	1 17	12 57	9 5	1 23	2 5	18 20	16 58	6 11
W28	15 9	9 19	2 58	7 59	1 52	23 38	1 20	16 17	1 47	23 9	0 3	11 34	2 10	20 23	0 38	21 30	1 17	12 56	9 5	1 24	2 7	18 20	16 58	6 12
T 29	15 28	12 59	3 55	8 37	1 47	23 50	1 22	16 9	1 49	23 9	0 2	11 37	2 10	20 23	0 38	21 30	1 17	12 56	9 5	1 27	2 8	18 20	16 57	6 12
F 30	15 46	15 53	4 38	9 15	1 42	24 2	1 24	16 0	1 50	23 9	0 2	11 39	2 10	20 22	0 38	21 30	1 17	12 56	9 5	1 30	2 9	18 20	16 57	6 13
S 31	16s 4	17n46	5s 2	9s53	1n36	24s12	1s27	15n52	1n51	23n10	0s 2	11s41	2n10	20s22	0s38	21s31	1n17	12n56	9s 5	1n33	2n10	18s20	16n56	6s13

Julian Day Number = 2144655.5, Delta T = 14m53s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'30, Lahiri = 12°08'31 Julian Calendar 1 Oct. 1159 == Greg. Calendar 8 Oct. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

NOVEMBER 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 4 53	14♏53'05	0♋26	1♏ 8	16♐52	22♌52	9°R35	6♏34	2♒14	15♐53	9°R 4	26°R 0	24♍30	7♑34	10°R17	S 1
M 2	3 8 50	15°53'43	15° 5	2°41	18° 6	23°20	9♋32	6°41	2°15	15°55	9♊ 3	25♍55	24°27	7°41	10♋16	M 2
T 3	3 12 46	16°54'22	29°29	4°15	19°19	23°49	9°30	6°48	2°17	15°57	9° 1	25°51	24°24	7°47	10°14	T 3
W 4	3 16 43	17°55'04	13♌36	5°49	20°33	24°17	9°27	6°55	2°18	15°59	9° 0	25°D50	24°21	7°54	10°12	W 4
T 5	3 20 39	18°55'47	27°25	7°23	21°46	24°45	9°25	7° 2	2°20	16° 1	8°59	25°50	24°17	8° 1	10°10	T 5
F 6	3 24 36	19°56'31	10♍56	8°57	23° 0	25°13	9°22	7° 9	2°21	16° 3	8°58	25°51	24°14	8° 8	10° 9	F 6
S 7	3 28 32	20°57'18	24°11	10°31	24°14	25°41	9°18	7°16	2°23	16° 5	8°57	25°R52	24°11	8°14	10° 7	S 7
S 8	3 32 29	21°58'06	7♎12	12° 6	25°27	26° 9	9°15	7°23	2°24	16° 7	8°56	25°51	24° 8	8°21	10° 5	S 8
M 9	3 36 26	22°58'55	20° 1	13°40	26°41	26°36	9°11	7°30	2°26	16° 9	8°55	25°48	24° 5	8°28	10° 2	M 9
T 10	3 40 22	23°59'46	2♏39	15°14	27°54	27° 3	9° 8	7°37	2°28	16°12	8°54	25°43	24° 1	8°34	10° 0	T 10
W11	3 44 19	25° 0'38	15° 7	16°49	29° 8	27°30	9° 4	7°44	2°29	16°14	8°53	25°34	23°58	8°41	9°58	W11
T 12	3 48 15	26° 1'32	27°26	18°23	0♑21	27°56	9° 0	7°51	2°31	16°16	8°52	25°24	23°55	8°48	9°55	T 12
F 13	3 52 12	27° 2'26	9♐36	19°57	1°35	28°22	8°55	7°58	2°33	16°18	8°50	25°12	23°52	8°55	9°53	F 13
S 14	3 56 8	28° 3'22	21°39	21°31	2°48	28°48	8°51	8° 5	2°35	16°20	8°49	24°59	23°49	9° 1	9°51	S 14
S 15	4 0 5	29° 4'19	3♑35	23° 6	4° 1	29°14	8°46	8°12	2°37	16°22	8°48	24°47	23°46	9° 8	9°48	S 15
M16	4 4 1	0♐ 5'17	15°26	24°40	5°15	29°40	8°41	8°19	2°39	16°25	8°47	24°37	23°42	9°15	9°45	M16
T 17	4 7 58	1° 6'15	27°16	26°14	6°28	0♍ 5	8°36	8°26	2°41	16°27	8°46	24°29	23°39	9°22	9°42	T 17
W18	4 11 55	2° 7'15	9♒ 7	27°48	7°41	0°30	8°31	8°32	2°43	16°29	8°45	24°23	23°36	9°28	9°40	W18
T 19	4 15 51	3° 8'15	21° 5	29°22	8°55	0°54	8°26	8°39	2°45	16°31	8°43	24°21	23°33	9°35	9°37	T 19
F 20	4 19 48	4° 9'15	3♓13	0♐56	10° 8	1°19	8°20	8°46	2°47	16°33	8°42	24°D20	23°30	9°42	9°34	F 20
S 21	4 23 44	5°10'17	15°38	2°31	11°21	1°43	8°15	8°52	2°50	16°36	8°41	24°20	23°27	9°48	9°31	S 21
S 22	4 27 41	6°11'19	28°25	4° 5	12°34	2° 7	8° 9	8°59	2°52	16°38	8°40	24°R20	23°23	9°55	9°28	S 22
M23	4 31 37	7°12'21	11♈38	5°39	13°47	2°30	8° 3	9° 6	2°54	16°40	8°39	24°19	23°20	10° 2	9°25	M23
T 24	4 35 34	8°13'24	25°20	7°13	15° 0	2°53	7°57	9°12	2°56	16°42	8°38	24°16	23°17	10° 9	9°21	T 24
W25	4 39 30	9°14'28	9♉31	8°48	16°13	3°16	7°51	9°19	2°59	16°45	8°36	24° 9	23°14	10°15	9°18	W25
T 26	4 43 27	10°15'32	24°10	10°22	17°26	3°38	7°44	9°25	3° 1	16°47	8°35	24° 1	23°11	10°22	9°15	T 26
F 27	4 47 24	11°16'36	9♊10	11°57	18°39	4° 1	7°38	9°32	3° 4	16°49	8°34	23°50	23° 7	10°29	9°11	F 27
S 28	4 51 20	12°17'42	24°22	13°32	19°52	4°23	7°31	9°38	3° 6	16°51	8°33	23°38	23° 4	10°35	9° 8	S 28
S 29	4 55 17	13°18'48	9♋34	15° 6	21° 4	4°44	7°24	9°44	3° 9	16°54	8°32	23°27	23° 1	10°42	9° 4	S 29
M30	4 59 13	14♐19'55	24♋37	16♐41	22♑17	5♍ 5	7♋17	9♏51	3♒11	16♐56	8♊31	23♍18	22♍58	10♑49	9♋ 1	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s22	18n26	5s 6	10s31	1n30	24s22	1s29	15n43	1n52	23n10	0s 2	11s44	2n10	20s22	0s38	21s31	1n17	12n56	9s 5	1n36	2n12	18s19	16n56	6s14
M 2	16 40	17 53	4 50	11 9	1 24	24 31	1 31	15 35	1 53	23 10	0 2	11 46	2 10	20 21	0 38	21 31	1 17	12 56	9 5	1 38	2 13	18 19	16 55	6 14
T 3	16 58	16 10	4 16	11 47	1 17	24 39	1 33	15 26	1 55	23 10	0 2	11 48	2 10	20 21	0 38	21 31	1 17	12 55	9 5	1 39	2 14	18 19	16 55	6 15
W 4	17 15	13 31	3 27	12 24	1 11	24 47	1 35	15 18	1 56	23 11	0 2	11 51	2 10	20 21	0 38	21 32	1 17	12 55	9 5	1 40	2 15	18 19	16 55	6 16
T 5	17 32	10 8	2 27	13 1	1 4	24 54	1 37	15 10	1 57	23 11	0 2	11 53	2 10	20 20	0 38	21 32	1 17	12 55	9 5	1 40	2 17	18 19	16 54	6 16
F 6	17 48	6 17	1 19	13 38	0 58	25 0	1 39	15 1	1 58	23 11	0 1	11 55	2 10	20 20	0 38	21 32	1 17	12 55	9 5	1 39	2 18	18 19	16 54	6 17
S 7	18 4	2 11	0 9	14 14	0 51	25 6	1 41	14 53	1 59	23 12	0 1	11 57	2 10	20 20	0 37	21 32	1 17	12 55	9 5	1 39	2 19	18 18	16 53	6 17
S 8	18 20	1s57	1n 0	14 50	0 44	25 10	1 42	14 45	2 1	23 12	0 1	12 0	2 10	20 19	0 37	21 33	1 17	12 54	9 5	1 39	2 20	18 18	16 53	6 18
M 9	18 36	5 55	2 6	15 25	0 37	25 14	1 44	14 37	2 2	23 12	0 1	12 2	2 10	20 19	0 37	21 33	1 17	12 54	9 5	1 41	2 22	18 18	16 53	6 18
T 10	18 51	9 34	3 3	16 0	0 30	25 18	1 46	14 29	2 3	23 13	0 1	12 4	2 10	20 18	0 37	21 33	1 17	12 54	9 5	1 43	2 23	18 18	16 52	6 19
W11	19 6	12 45	3 51	16 34	0 23	25 20	1 47	14 21	2 5	23 13	0 1	12 6	2 10	20 18	0 37	21 33	1 17	12 54	9 5	1 46	2 24	18 18	16 52	6 19
T 12	19 21	15 19	4 28	17 7	0 16	25 22	1 49	14 13	2 6	23 14	0 1	12 9	2 10	20 17	0 37	21 33	1 17	12 54	9 5	1 50	2 26	18 17	16 52	6 20
F 13	19 35	17 11	4 52	17 39	0 10	25 23	1 50	14 5	2 7	23 14	0 1	12 11	2 10	20 17	0 37	21 34	1 17	12 54	9 5	1 55	2 27	18 17	16 51	6 20
S 14	19 49	18 15	5 2	18 11	0 3	25 23	1 52	13 57	2 8	23 15	0 0	12 13	2 10	20 17	0 37	21 34	1 17	12 53	9 5	2 0	2 28	18 17	16 51	6 21
S 15	20 2	18 31	4 59	18 42	0s 4	25 22	1 53	13 49	2 10	23 15	0 0	12 15	2 10	20 16	0 37	21 34	1 17	12 53	9 5	2 5	2 29	18 17	16 51	6 21
M16	20 16	17 58	4 43	19 12	0 11	25 21	1 54	13 41	2 11	23 15	0 0	12 17	2 10	20 16	0 37	21 34	1 17	12 53	9 5	2 9	2 31	18 16	16 50	6 22
T 17	20 28	16 38	4 15	19 41	0 17	25 19	1 56	13 34	2 13	23 16	0n 0	12 19	2 10	20 15	0 37	21 35	1 17	12 53	9 5	2 12	2 32	18 16	16 50	6 22
W18	20 41	14 35	3 36	20 9	0 24	25 16	1 57	13 26	2 14	23 16	0 0	12 21	2 10	20 15	0 37	21 35	1 17	12 53	9 5	2 14	2 33	18 16	16 50	6 23
T 19	20 53	11 54	2 47	20 36	0 30	25 12	1 58	13 18	2 15	23 17	0 0	12 23	2 10	20 14	0 37	21 35	1 17	12 53	9 5	2 15	2 34	18 16	16 50	6 23
F 20	21 4	8 40	1 50	21 2	0 37	25 8	1 59	13 11	2 17	23 17	0 0	12 26	2 10	20 14	0 37	21 35	1 17	12 52	9 5	2 16	2 36	18 16	16 49	6 24
S 21	21 15	4 59	0 46	21 27	0 43	25 3	2 0	13 4	2 18	23 18	0 1	12 28	2 10	20 13	0 37	21 36	1 17	12 52	9 5	2 16	2 37	18 15	16 49	6 24
S 22	21 26	0 58	0s22	21 52	0 49	24 57	2 0	12 56	2 20	23 18	0 1	12 30	2 10	20 12	0 37	21 36	1 17	12 52	9 5	2 16	2 38	18 15	16 49	6 25
M23	21 37	3n14	1 30	22 15	0 55	24 50	2 1	12 49	2 21	23 19	0 1	12 32	2 11	20 12	0 37	21 36	1 17	12 52	9 5	2 16	2 39	18 15	16 49	6 25
T 24	21 47	7 25	2 36	22 37	1 1	24 43	2 2	12 42	2 22	23 19	0 1	12 34	2 11	20 11	0 37	21 36	1 17	12 52	9 5	2 17	2 41	18 15	16 48	6 25
W25	21 56	11 20	3 35	22 58	1 7	24 35	2 2	12 35	2 24	23 20	0 1	12 36	2 11	20 11	0 37	21 37	1 17	12 52	9 5	2 20	2 42	18 14	16 48	6 26
T 26	22 5	14 40	4 21	23 18	1 12	24 26	2 3	12 28	2 25	23 20	0 1	12 38	2 11	20 10	0 37	21 37	1 17	12 52	9 5	2 23	2 43	18 14	16 48	6 26
F 27	22 14	17 8	4 51	23 36	1 17	24 16	2 3	12 21	2 27	23 21	0 1	12 40	2 11	20 10	0 37	21 37	1 17	12 52	9 5	2 28	2 44	18 14	16 48	6 27
S 28	22 22	18 25	5 1	23 53	1 23	24 6	2 3	12 15	2 28	23 21	0 2	12 42	2 11	20 9	0 37	21 37	1 17	12 51	9 5	2 32	2 46	18 14	16 48	6 27
S 29	22 30	18 24	4 49	24 10	1 28	23 55	2 4	12 8	2 30	23 22	0 2	12 44	2 11	20 8	0 37	21 38	1 17	12 51	9 5	2 37	2 47	18 13	16 48	6 27
M30	22s37	17n 4	4s17	24s24	1s32	23s44	2s 4	12n 2	2n31	23n23	0n 2	12s45	2n11	20s 8	0s37	21s38	1n17	12n51	9s 5	2n40	2n48	18s13	16n47	6s28

Julian Day Number = 2144686.5, Delta T = 14m53s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'34, Lahiri = 12°08'35 Julian Calendar 1 Nov. 1159 == Greg. Calendar 8 Nov. 1159

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ASTRODIENST EPHEMERIS for the year 1159
geocentric

DECEMBER 1159 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 10	15♐21'03	9♌21	18♐17	23♑30	5♍26	7°R10	9♏57	3♒14	16♐58	8°R30	23°R12	22♍55	10♑56	8°R57	T 1
W 2	5 7 6	16°22'11	23°42	19°52	24°42	5°46	7♋ 3	10° 3	3°16	17° 0	8♊28	23♍ 8	22°52	11° 2	8♋54	W 2
T 3	5 11 3	17°23'20	7♍37	21°28	25°55	6° 7	6°56	10° 9	3°19	17° 3	8°27	23° 6	22°48	11° 9	8°50	T 3
F 4	5 14 59	18°24'30	21° 7	23° 3	27° 7	6°26	6°49	10°16	3°22	17° 5	8°26	23° 6	22°45	11°16	8°46	F 4
S 5	5 18 56	19°25'40	4♎16	24°39	28°20	6°45	6°41	10°22	3°24	17° 7	8°25	23° 6	22°42	11°22	8°42	S 5
S 6	5 22 53	20°26'51	17° 6	26°16	29°32	7° 4	6°34	10°28	3°27	17°10	8°24	23° 4	22°39	11°29	8°39	S 6
M 7	5 26 49	21°28'03	29°40	27°52	0♒45	7°23	6°26	10°34	3°30	17°12	8°23	23° 0	22°36	11°36	8°35	M 7
T 8	5 30 46	22°29'15	12♏ 3	29°29	1°57	7°41	6°19	10°40	3°33	17°14	8°21	22°53	22°33	11°43	8°31	T 8
W 9	5 34 42	23°30'27	24°17	1♑ 5	3° 9	7°58	6°11	10°46	3°36	17°16	8°20	22°43	22°29	11°49	8°27	W 9
T 10	5 38 39	24°31'40	6♐23	2°42	4°21	8°16	6° 3	10°51	3°39	17°19	8°19	22°30	22°26	11°56	8°23	T 10
F 11	5 42 35	25°32'54	18°24	4°20	5°33	8°32	5°55	10°57	3°41	17°21	8°18	22°16	22°23	12° 3	8°19	F 11
S 12	5 46 32	26°34'07	0♑20	5°57	6°45	8°49	5°47	11° 3	3°44	17°23	8°17	22° 0	22°20	12° 9	8°15	S 12
S 13	5 50 28	27°35'20	12°13	7°34	7°57	9° 4	5°40	11° 9	3°47	17°25	8°16	21°45	22°17	12°16	8°11	S 13
M14	5 54 25	28°36'34	24° 4	9°12	9° 9	9°20	5°32	11°14	3°50	17°28	8°15	21°32	22°13	12°23	8° 7	M14
T 15	5 58 22	29°37'47	5♒54	10°49	10°20	9°34	5°23	11°20	3°53	17°30	8°14	21°22	22°10	12°30	8° 3	T 15
W16	6 2 18	0♑39'00	17°46	12°27	11°32	9°49	5°15	11°25	3°56	17°32	8°13	21°15	22° 7	12°36	7°59	W16
T 17	6 6 15	1°40'13	29°44	14° 4	12°44	10° 2	5° 7	11°31	3°59	17°34	8°12	21°10	22° 4	12°43	7°55	T 17
F 18	6 10 11	2°41'25	11♓52	15°41	13°55	10°16	4°59	11°36	4° 3	17°37	8°11	21° 9	22° 1	12°50	7°51	F 18
S 19	6 14 8	3°42'37	24°13	17°18	15° 6	10°28	4°51	11°41	4° 6	17°39	8°10	21°D 8	21°58	12°56	7°46	S 19
S 20	6 18 4	4°43'48	6♈54	18°54	16°18	10°41	4°43	11°46	4° 9	17°41	8° 8	21°R 8	21°54	13° 3	7°42	S 20
M21	6 22 1	5°44'59	19°58	20°29	17°29	10°52	4°35	11°52	4°12	17°43	8° 7	21° 8	21°51	13°10	7°38	M21
T 22	6 25 57	6°46'09	3♉31	22° 4	18°40	11° 3	4°27	11°57	4°15	17°45	8° 6	21° 5	21°48	13°17	7°34	T 22
W23	6 29 54	7°47'19	17°34	23°37	19°51	11°14	4°19	12° 2	4°18	17°47	8° 5	21° 0	21°45	13°23	7°30	W23
T 24	6 33 51	8°48'28	2♊ 6	25° 9	21° 2	11°24	4°11	12° 7	4°22	17°50	8° 4	20°52	21°42	13°30	7°26	T 24
F 25	6 37 47	9°49'37	17° 5	26°39	22°12	11°33	4° 3	12°12	4°25	17°52	8° 3	20°42	21°39	13°37	7°21	F 25
S 26	6 41 44	10°50'45	2♋21	28° 7	23°23	11°42	3°55	12°16	4°28	17°54	8° 3	20°31	21°35	13°43	7°17	S 26
S 27	6 45 40	11°51'53	17°43	29°32	24°33	11°50	3°47	12°21	4°31	17°56	8° 2	20°21	21°32	13°50	7°13	S 27
M28	6 49 37	12°53'00	3♌ 0	0♒54	25°43	11°57	3°39	12°26	4°35	17°58	8° 1	20°12	21°29	13°57	7° 9	M28
T 29	6 53 33	13°54'07	18° 2	2°13	26°54	12° 4	3°31	12°30	4°38	18° 0	8° 0	20° 6	21°26	14° 4	7° 5	T 29
W30	6 57 30	14°55'13	2♍39	3°27	28° 4	12°10	3°23	12°35	4°41	18° 2	7°59	20° 2	21°23	14°10	7° 1	W30
T 31	7 1 27	15♑56'19	16♍48	4♒36	29♒14	12♍16	3♋15	12♏39	4♒45	18♐ 4	7♊58	20°D 1	21♍19	14♑17	6♋57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s44	14n38	3s29	24s38	1s37	23s31	2s 4	11n56	2n33	23n23	0n 2	12s47	2n11	20s 7	0s37	21s38	1n17	12n51	9s 4	2n43	2n50	18s13	16n47	6s28
W 2	22 51	11 21	2 29	24 50	1 41	23 18	2 4	11 49	2 34	23 24	0 2	12 49	2 11	20 7	0 37	21 38	1 17	12 51	9 4	2 44	2 51	18 13	16 47	6 28
T 3	22 57	7 30	1 21	25 1	1 45	23 5	2 3	11 43	2 36	23 24	0 2	12 51	2 11	20 6	0 37	21 38	1 17	12 51	9 4	2 45	2 52	18 12	16 47	6 29
F 4	23 2	3 22	0 10	25 11	1 49	22 50	2 3	11 38	2 38	23 25	0 2	12 53	2 12	20 5	0 37	21 39	1 17	12 51	9 4	2 45	2 53	18 12	16 47	6 29
S 5	23 7	0s48	0n59	25 19	1 52	22 35	2 3	11 32	2 39	23 25	0 3	12 55	2 12	20 5	0 37	21 39	1 17	12 51	9 4	2 45	2 55	18 12	16 47	6 29
S 6	23 12	4 51	2 3	25 25	1 56	22 20	2 2	11 26	2 41	23 26	0 3	12 56	2 12	20 4	0 37	21 39	1 17	12 51	9 4	2 46	2 56	18 12	16 47	6 30
M 7	23 16	8 36	3 0	25 30	1 59	22 4	2 2	11 21	2 42	23 26	0 3	12 58	2 12	20 3	0 37	21 39	1 17	12 51	9 4	2 47	2 57	18 11	16 47	6 30
T 8	23 20	11 54	3 48	25 34	2 1	21 47	2 1	11 16	2 44	23 27	0 3	13 0	2 12	20 3	0 37	21 40	1 17	12 50	9 4	2 50	2 58	18 11	16 47	6 30
W 9	23 23	14 40	4 24	25 36	2 3	21 29	2 0	11 11	2 46	23 27	0 3	13 2	2 12	20 2	0 37	21 40	1 17	12 50	9 4	2 54	3 0	18 11	16 47	6 30
T 10	23 26	16 45	4 48	25 36	2 5	21 11	1 59	11 6	2 47	23 28	0 3	13 3	2 12	20 1	0 37	21 40	1 17	12 50	9 4	2 59	3 1	18 10	16 47	6 31
F 11	23 28	18 5	4 59	25 35	2 7	20 53	1 58	11 1	2 49	23 28	0 4	13 5	2 12	20 1	0 37	21 40	1 17	12 50	9 4	3 5	3 2	18 10	16 47	6 31
S 12	23 30	18 37	4 56	25 33	2 8	20 34	1 57	10 56	2 51	23 29	0 4	13 7	2 12	20 0	0 37	21 40	1 17	12 50	9 3	3 11	3 3	18 10	16 47	6 31
S 13	23 31	18 19	4 41	25 28	2 9	20 14	1 56	10 52	2 52	23 29	0 4	13 8	2 13	19 59	0 37	21 41	1 17	12 50	9 3	3 17	3 5	18 10	16 47	6 31
M14	23 32	17 14	4 13	25 22	2 9	19 54	1 55	10 48	2 54	23 30	0 4	13 10	2 13	19 58	0 37	21 41	1 17	12 50	9 3	3 22	3 6	18 9	16 47	6 31
T 15	23 33	15 25	3 35	25 14	2 9	19 33	1 53	10 44	2 56	23 30	0 4	13 11	2 13	19 58	0 37	21 41	1 17	12 50	9 3	3 26	3 7	18 9	16 47	6 32
W16	23 33	12 56	2 47	25 5	2 8	19 12	1 52	10 40	2 58	23 31	0 4	13 13	2 13	19 57	0 37	21 41	1 17	12 50	9 3	3 29	3 8	18 9	16 47	6 32
T 17	23 32	9 53	1 51	24 54	2 7	18 50	1 50	10 36	2 59	23 31	0 4	13 15	2 13	19 56	0 37	21 41	1 17	12 50	9 3	3 31	3 10	18 8	16 47	6 32
F 18	23 31	6 23	0 49	24 41	2 5	18 27	1 49	10 33	3 1	23 32	0 5	13 16	2 13	19 55	0 37	21 42	1 17	12 50	9 3	3 32	3 11	18 8	16 47	6 32
S 19	23 30	2 33	0s16	24 27	2 3	18 5	1 47	10 30	3 3	23 32	0 5	13 18	2 13	19 55	0 37	21 42	1 17	12 50	9 3	3 32	3 12	18 8	16 47	6 32
S 20	23 28	1n29	1 23	24 11	2 0	17 42	1 45	10 27	3 5	23 32	0 5	13 19	2 13	19 54	0 37	21 42	1 17	12 50	9 3	3 32	3 13	18 7	16 47	6 32
M21	23 25	5 35	2 27	23 53	1 56	17 18	1 43	10 24	3 7	23 33	0 5	13 20	2 14	19 53	0 37	21 42	1 17	12 50	9 2	3 32	3 15	18 7	16 48	6 32
T 22	23 22	9 32	3 25	23 34	1 52	16 54	1 41	10 21	3 8	23 33	0 5	13 22	2 14	19 52	0 37	21 42	1 17	12 50	9 2	3 33	3 16	18 7	16 48	6 33
W23	23 19	13 6	4 13	23 13	1 47	16 29	1 39	10 19	3 10	23 34	0 5	13 23	2 14	19 52	0 37	21 43	1 17	12 50	9 2	3 35	3 17	18 6	16 48	6 33
T 24	23 15	16 0	4 46	22 51	1 41	16 4	1 36	10 17	3 12	23 34	0 5	13 25	2 14	19 51	0 37	21 43	1 17	12 50	9 2	3 38	3 18	18 6	16 48	6 33
F 25	23 11	17 55	5 1	22 27	1 34	15 39	1 34	10 15	3 14	23 35	0 6	13 26	2 14	19 50	0 37	21 43	1 17	12 50	9 2	3 42	3 20	18 6	16 48	6 33
S 26	23 6	18 36	4 56	22 3	1 27	15 13	1 31	10 13	3 16	23 35	0 6	13 27	2 14	19 49	0 37	21 43	1 17	12 50	9 2	3 46	3 21	18 5	16 48	6 33
S 27	23 1	17 56	4 29	21 37	1 18	14 47	1 29	10 12	3 18	23 35	0 6	13 29	2 15	19 49	0 37	21 43	1 17	12 50	9 1	3 50	3 22	18 5	16 49	6 33
M28	22 55	15 58	3 42	21 10	1 9	14 21	1 26	10 11	3 19	23 36	0 6	13 30	2 15	19 48	0 37	21 44	1 17	12 50	9 1	3 54	3 23	18 5	16 49	6 33
T 29	22 49	12 56	2 41	20 42	0 59	13 54	1 23	10 10	3 21	23 36	0 6	13 31	2 15	19 47	0 37	21 44	1 17	12 50	9 1	3 56	3 25	18 4	16 49	6 33
W30	22 42	9 10	1 31	20 14	0 47	13 27	1 20	10 9	3 23	23 36	0 6	13 32	2 15	19 46	0 37	21 44	1 17	12 50	9 1	3 58	3 26	18 4	16 49	6 33
T 31	22s35	4n58	0s17	19s46	0s35	13s 0	1s17	10n 9	3n25	23n37	0n 6	13s33	2n15	19s45	0s37	21s44	1n17	12n50	9s 1	3n58	3n27	18s 4	16n49	6s33

Julian Day Number = 2144716.5, Delta T = 14m53s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'39, Lahiri = 12°08'39 Julian Calendar 1 Dec. 1159 == Greg. Calendar 8 Dec. 1159

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1160
geocentric

JANUARY 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 5 23	16♉57'24	0♎29	5♒39	0♓23	12♍21	3°R 8	12♏44	4♒48	18♐ 6	7°R57	20♍ 1	21♍16	14♉24	6°R53	F 1
S 2	7 9 20	17°58'29	13°43	6°36	1°33	12°25	3♋ 0	12°48	4°51	18° 8	7♊56	20°R 2	21°13	14°30	6♋48	S 2
S 3	7 13 16	18°59'33	26°34	7°25	2°42	12°28	2°52	12°52	4°55	18°10	7°55	20° 2	21°10	14°37	6°44	S 3
M 4	7 17 13	20° 0'38	9♏ 5	8° 6	3°52	12°31	2°45	12°56	4°58	18°12	7°54	20° 0	21° 7	14°44	6°40	M 4
T 5	7 21 9	21° 1'41	21°22	8°38	5° 1	12°33	2°38	13° 0	5° 2	18°14	7°54	19°55	21° 4	14°51	6°36	T 5
W 6	7 25 6	22° 2'44	3♐28	8°59	6°10	12°35	2°30	13° 4	5° 5	18°16	7°53	19°48	21° 0	14°57	6°32	W 6
T 7	7 29 2	23° 3'46	15°26	9°R10	7°19	12°R35	2°23	13° 8	5° 8	18°18	7°52	19°39	20°57	15° 4	6°28	T 7
F 8	7 32 59	24° 4'48	27°21	9°10	8°27	12°35	2°16	13°12	5°12	18°20	7°51	19°28	20°54	15°11	6°25	F 8
S 9	7 36 56	25° 5'49	9♑12	8°58	9°36	12°34	2° 9	13°16	5°15	18°22	7°51	19°17	20°51	15°17	6°21	S 9
S 10	7 40 52	26° 6'49	21° 3	8°35	10°44	12°32	2° 2	13°19	5°19	18°24	7°50	19° 6	20°48	15°24	6°17	S 10
M11	7 44 49	27° 7'48	2♒55	8° 1	11°52	12°30	1°56	13°23	5°22	18°26	7°49	18°56	20°45	15°31	6°13	M11
T 12	7 48 45	28° 8'45	14°50	7°17	13° 0	12°26	1°49	13°26	5°26	18°28	7°48	18°49	20°41	15°38	6° 9	T 12
W13	7 52 42	29° 9'42	26°48	6°24	14° 8	12°22	1°43	13°30	5°29	18°30	7°48	18°43	20°38	15°44	6° 5	W13
T 14	7 56 38	0♒10'37	8♓53	5°23	15°15	12°18	1°36	13°33	5°33	18°32	7°47	18°41	20°35	15°51	6° 2	T 14
F 15	8 0 35	1°11'31	21° 7	4°16	16°23	12°12	1°30	13°36	5°36	18°33	7°46	18°D40	20°32	15°58	5°58	F 15
S 16	8 4 31	2°12'24	3♈33	3° 5	17°30	12° 6	1°24	13°39	5°40	18°35	7°46	18°41	20°29	16° 4	5°55	S 16
S 17	8 8 28	3°13'15	16°14	1°52	18°37	11°58	1°18	13°42	5°43	18°37	7°45	18°43	20°25	16°11	5°51	S 17
M18	8 12 25	4°14'05	29°16	0°39	19°43	11°50	1°12	13°45	5°47	18°39	7°45	18°R44	20°22	16°18	5°48	M18
T 19	8 16 21	5°14'53	12♉41	29♑29	20°50	11°42	1° 7	13°48	5°50	18°40	7°44	18°43	20°19	16°25	5°44	T 19
W20	8 20 18	6°15'39	26°31	28°22	21°56	11°32	1° 1	13°50	5°53	18°42	7°43	18°42	20°16	16°31	5°41	W20
T 21	8 24 14	7°16'24	10♊48	27°21	23° 2	11°22	0°56	13°53	5°57	18°44	7°43	18°38	20°13	16°38	5°37	T 21
F 22	8 28 11	8°17'07	25°30	26°26	24° 7	11°11	0°51	13°56	6° 0	18°45	7°42	18°33	20°10	16°45	5°34	F 22
S 23	8 32 7	9°17'49	10♋30	25°38	25°13	10°59	0°46	13°58	6° 4	18°47	7°42	18°27	20° 6	16°51	5°31	S 23
S 24	8 36 4	10°18'29	25°42	24°58	26°18	10°46	0°41	14° 0	6° 7	18°49	7°41	18°21	20° 3	16°58	5°28	S 24
M25	8 40 0	11°19'08	10♌54	24°26	27°22	10°33	0°37	14° 3	6°11	18°50	7°41	18°16	20° 0	17° 5	5°25	M25
T 26	8 43 57	12°19'45	25°57	24° 1	28°27	10°19	0°32	14° 5	6°14	18°52	7°41	18°12	19°57	17°11	5°22	T 26
W27	8 47 54	13°20'20	10♍41	23°45	29°31	10° 4	0°28	14° 7	6°18	18°53	7°40	18°10	19°54	17°18	5°19	W27
T 28	8 51 50	14°20'55	25° 0	23°37	0♈35	9°48	0°24	14° 9	6°21	18°55	7°40	18°D10	19°51	17°25	5°16	T 28
F 29	8 55 47	15°21'27	8♎52	23°D35	1°38	9°32	0°20	14°10	6°25	18°56	7°39	18°12	19°47	17°32	5°13	F 29
S 30	8 59 43	16°21'59	22°17	23°41	2°41	9°15	0°16	14°12	6°28	18°58	7°39	18°13	19°44	17°38	5°10	S 30
S 31	9 3 40	17♒22'29	5♏15	23♑53	3♈44	8♍57	0♋13	14♏14	6♒32	18♐59	7♊39	18♍15	19♍41	17♑45	5♋ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
F 1	22s28	0n39	0n56	19s18	0s22	12s32	1s14	10n 9	3n27	23n37	0n 7	13s35	2n15	19s44	0s37	21s44	1n17	12n50	9s 1	3n58	3n29	18s 3	16n50	6s33	
S 2	22 20	3s33	2 3	18 50	0 8	12 5	1 11	10 9	3 29	23 37	0 7	13 36	2 16	19 44	0 37	21 44	1 17	12 50	9 0	3 58	3 30	18 3	16 50	6 33	
S 3	22 12	7 28	3 2	18 23	0n 8	11 36	1 8	10 9	3 31	23 38	0 7	13 37	2 16	19 43	0 37	21 45	1 17	12 50	9 0	3 58	3 31	18 3	16 50	6 33	
M 4	22 3	10 56	3 51	17 57	0 24	11 8	1 4	10 10	3 33	23 38	0 7	13 38	2 16	19 42	0 37	21 45	1 17	12 50	9 0	3 59	3 32	18 2	16 50	6 33	
T 5	21 54	13 52	4 28	17 32	0 40	10 39	1 1	10 11	3 35	23 38	0 7	13 39	2 16	19 41	0 37	21 45	1 17	12 50	9 0	4 1	3 34	18 2	16 51	6 33	
W 6	21 44	16 9	4 52	17 10	0 58	10 10	0 57	10 12	3 36	23 38	0 7	13 40	2 16	19 40	0 37	21 45	1 17	12 50	9 0	4 3	3 35	18 2	16 51	6 33	
T 7	21 34	17 43	5 4	16 50	1 15	9 41	0 53	10 14	3 38	23 39	0 7	13 41	2 16	19 39	0 37	21 45	1 17	12 50	9 0	4 7	3 36	18 1	16 51	6 33	
F 8	21 23	18 29	5 2	16 32	1 34	9 12	0 49	10 15	3 40	23 39	0 7	13 42	2 17	19 39	0 37	21 45	1 17	12 50	8 59	4 11	3 37	18 1	16 51	6 32	
S 9	21 13	18 27	4 47	16 18	1 52	8 42	0 45	10 17	3 42	23 39	0 8	13 43	2 17	19 38	0 37	21 46	1 17	12 50	8 59	4 16	3 39	18 0	16 52	6 32	
S 10	21 1	17 37	4 19	16 7	2 9	8 13	0 41	10 20	3 44	23 40	0 8	13 44	2 17	19 37	0 37	21 46	1 17	12 50	8 59	4 20	3 40	18 0	16 52	6 32	
M11	20 50	16 1	3 40	15 59	2 26	7 43	0 37	10 22	3 46	23 40	0 8	13 45	2 17	19 36	0 37	21 46	1 17	12 51	8 59	4 24	3 41	18 0	16 52	6 32	
T 12	20 37	13 43	2 52	15 55	2 42	7 13	0 33	10 25	3 48	23 40	0 8	13 45	2 17	19 35	0 37	21 46	1 17	12 51	8 59	4 27	3 42	17 59	16 53	6 32	
W13	20 25	10 50	1 55	15 54	2 57	6 43	0 29	10 29	3 49	23 40	0 8	13 46	2 18	19 34	0 37	21 46	1 17	12 51	8 58	4 29	3 44	17 59	16 53	6 32	
T 14	20 12	7 28	0 53	15 56	3 10	6 12	0 24	10 32	3 51	23 40	0 8	13 47	2 18	19 34	0 37	21 46	1 17	12 51	8 58	4 30	3 45	17 59	16 53	6 32	
F 15	19 59	3 44	0s13	16 1	3 21	5 42	0 20	10 36	3 53	23 41	0 8	13 48	2 18	19 33	0 37	21 46	1 17	12 51	8 58	4 30	3 46	17 58	16 54	6 31	
S 16	19 45	0n12	1 20	16 9	3 30	5 12	0 15	10 40	3 55	23 41	0 8	13 49	2 18	19 32	0 37	21 47	1 17	12 51	8 58	4 30	3 47	17 58	16 54	6 31	
S 17	19 31	4 12	2 24	16 19	3 36	4 41	0 11	10 44	3 56	23 41	0 9	13 49	2 18	19 31	0 37	21 47	1 17	12 51	8 58	4 29	3 49	17 57	16 54	6 31	
M18	19 17	8 7	3 22	16 31	3 40	4 11	0 6	10 49	3 58	23 41	0 9	13 50	2 19	19 30	0 37	21 47	1 17	12 51	8 57	4 29	3 50	17 57	16 55	6 31	
T 19	19 2	11 43	4 11	16 44	3 42	3 40	0 1	10 54	4 0	23 41	0 9	13 51	2 19	19 29	0 37	21 47	1 17	12 51	8 57	4 29	3 51	17 57	16 55	6 30	
W20	18 47	14 48	4 47	16 58	3 41	3 9	0n 4	10 59	4 1	23 41	0 9	13 51	2 19	19 28	0 37	21 47	1 17	12 52	8 57	4 30	3 52	17 56	16 56	6 30	
T 21	18 32	17 6	5 7	17 13	3 38	2 38	0 9	11 4	4 3	23 42	0 9	13 52	2 19	19 28	0 37	21 47	1 17	12 52	8 57	4 31	3 54	17 56	16 56	6 30	
F 22	18 16	18 21	5 8	17 28	3 33	2 8	0 14	11 10	4 4	23 42	0 9	13 52	2 19	19 27	0 37	21 47	1 17	12 52	8 57	4 33	3 55	17 55	16 56	6 30	
S 23	18 0	18 21	4 48	17 44	3 26	1 37	0 19	11 16	4 6	23 42	0 9	13 53	2 20	19 26	0 37	21 47	1 17	12 52	8 56	4 35	3 56	17 55	16 57	6 29	
S 24	17 44	17 3	4 7	17 59	3 18	1 6	0 25	11 22	4 7	23 42	0 9	13 53	2 20	19 25	0 37	21 47	1 17	12 52	8 56	4 38	3 57	17 54	16 57	6 29	
M25	17 28	14 33	3 9	18 13	3 9	0 35	0 30	11 29	4 9	23 42	0 10	13 54	2 20	19 24	0 37	21 48	1 17	12 52	8 56	4 40	3 59	17 54	16 57	6 29	
T 26	17 11	11 4	1 58	18 28	2 59	0 5	0 35	11 35	4 10	23 42	0 10	13 54	2 20	19 23	0 37	21 48	1 17	12 52	8 56	4 41	4 0	17 54	16 58	6 29	
W27	16 53	6 58	0 41	18 41	2 48	0n26	0 41	11 42	4 11	23 42	0 10	13 55	2 20	19 22	0 37	21 48	1 17	12 53	8 55	4 42	4 1	17 53	16 58	6 28	
T 28	16 36	2 34	0n37	18 54	2 37	0 57	0 47	11 49	4 13	23 43	0 10	13 55	2 21	19 21	0 37	21 48	1 17	12 53	8 55	4 42	4 2	17 53	16 59	6 28	
F 29	16 18	1s50	1 51	19 6	2 25	1 27	0 52	11 56	4 14	23 43	0 10	13 55	2 21	19 21	0 37	21 48	1 17	12 53	8 55	4 41	4 4	17 52	16 59	6 28	
S 30	16 0	6 0	2 56	19 17	2 12	1 58	0 58	12 4	4 15	23 43	0 10	13 56	2 21	19 20	0 37	21 48	1 17	12 53	8 55	4 41	4 5	17 52	17 0	6 27	
S 31	15s42	9s43	3n50	19s27	2n 0	2n28	1n 4	12n12	4n16	23n43	0n10	13s56	2n21	19s19	0s37	21s48	1n17	12n53	8s55	4n40	4n 6	17s51	17n 0	6s27	

Julian Day Number = 2144747.5, Delta T = 14m53s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'43, Lahiri = 12°08'43 Julian Calendar 1 Jan. 1160 == Greg. Calendar 8 Jan. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

FEBRUARY 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 7 36	18♒22'58	17♏52	24♉11	4♈47	8°R39	0°R 9	14♏15	6♒35	19♐ 0	7°R38	18°R15	19♍38	17♉52	5°R 5	M 1
T 2	9 11 33	19°23'25	0♐10	24°35	5°49	8♍20	0♋ 6	14°17	6°39	19° 2	7♊38	18♍15	19°35	17°58	5♋ 3	T 2
W 3	9 15 29	20°23'51	12°16	25° 4	6°51	8° 1	0° 3	14°18	6°42	19° 3	7°38	18°13	19°31	18° 5	5° 0	W 3
T 4	9 19 26	21°24'16	24°12	25°38	7°52	7°41	0° 0	14°19	6°45	19° 4	7°38	18°10	19°28	18°12	4°58	T 4
F 5	9 23 23	22°24'39	6♉ 4	26°16	8°53	7°20	29♊58	14°21	6°49	19° 6	7°37	18° 6	19°25	18°19	4°55	F 5
S 6	9 27 19	23°25'01	17°54	26°59	9°53	6°59	29°55	14°22	6°52	19° 7	7°37	18° 1	19°22	18°25	4°53	S 6
S 7	9 31 16	24°25'21	29°45	27°45	10°54	6°38	29°53	14°23	6°56	19° 8	7°37	17°57	19°19	18°32	4°51	S 7
M 8	9 35 12	25°25'39	11♒41	28°35	11°53	6°16	29°51	14°23	6°59	19° 9	7°37	17°53	19°16	18°39	4°49	M 8
T 9	9 39 9	26°25'56	23°42	29°28	12°53	5°54	29°49	14°24	7° 2	19°10	7°37	17°50	19°12	18°45	4°47	T 9
W10	9 43 5	27°26'11	5♓51	0♒24	13°51	5°31	29°48	14°25	7° 6	19°12	7°37	17°49	19° 9	18°52	4°45	W10
T 11	9 47 2	28°26'23	18° 9	1°23	14°50	5° 8	29°46	14°25	7° 9	19°13	7°37	17°D48	19° 6	18°59	4°43	T 11
F 12	9 50 58	29°26'34	0♈37	2°25	15°47	4°45	29°45	14°26	7°12	19°14	7°37	17°49	19° 3	19° 5	4°42	F 12
S 13	9 54 55	0♓26'43	13°18	3°29	16°45	4°22	29°44	14°26	7°16	19°15	7°37	17°50	19° 0	19°12	4°40	S 13
S 14	9 58 51	1°26'50	26°12	4°35	17°41	3°58	29°43	14°26	7°19	19°16	7°D37	17°51	18°56	19°19	4°39	S 14
M15	10 2 48	2°26'55	9♉22	5°44	18°37	3°35	29°43	14°26	7°22	19°17	7°37	17°52	18°53	19°26	4°37	M15
T 16	10 6 45	3°26'57	22°49	6°55	19°33	3°11	29°42	14°R26	7°25	19°18	7°37	17°53	18°50	19°32	4°36	T 16
W17	10 10 41	4°26'57	6♊35	8° 7	20°28	2°47	29°42	14°26	7°28	19°18	7°37	17°R53	18°47	19°39	4°34	W17
T 18	10 14 38	5°26'56	20°39	9°22	21°22	2°24	29°D42	14°26	7°32	19°19	7°37	17°53	18°44	19°46	4°33	T 18
F 19	10 18 34	6°26'51	5♋ 1	10°38	22°16	2° 0	29°42	14°26	7°35	19°20	7°37	17°52	18°41	19°52	4°32	F 19
S 20	10 22 31	7°26'45	19°38	11°56	23° 9	1°37	29°42	14°25	7°38	19°21	7°37	17°51	18°37	19°59	4°31	S 20
S 21	10 26 27	8°26'36	4♌25	13°15	24° 1	1°13	29°43	14°25	7°41	19°22	7°37	17°50	18°34	20° 6	4°30	S 21
M22	10 30 24	9°26'26	19°14	14°37	24°53	0°50	29°44	14°24	7°44	19°23	7°37	17°49	18°31	20°13	4°29	M22
T 23	10 34 20	10°26'12	4♍ 0	15°59	25°43	0°27	29°45	14°24	7°47	19°23	7°37	17°48	18°28	20°19	4°29	T 23
W24	10 38 17	11°25'57	18°33	17°23	26°34	0° 5	29°46	14°23	7°50	19°24	7°38	17°D48	18°25	20°26	4°28	W24
T 25	10 42 14	12°25'40	2♎49	18°49	27°23	29♌42	29°47	14°22	7°53	19°25	7°38	17°48	18°22	20°33	4°27	T 25
F 26	10 46 10	13°25'21	16°42	20°16	28°11	29°20	29°49	14°21	7°56	19°25	7°38	17°48	18°18	20°39	4°27	F 26
S 27	10 50 7	14°25'00	0♏12	21°44	28°59	28°59	29°50	14°20	7°59	19°26	7°38	17°49	18°15	20°46	4°27	S 27
S 28	10 54 3	15°24'37	13°17	23°14	29°45	28°38	29°52	14°19	8° 2	19°26	7°39	17°49	18°12	20°53	4°26	S 28
M29	10 58 0	16♓24'13	25♏59	24♒45	0♉31	28♌17	29♊54	14♏17	8♒ 5	19♐27	7♊39	17♍49	18♍ 9	20♉59	4♋26	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s23	12s54	4n31	19s36	1n48	2n58	1n10	12n19	4n17	23n43	0n10	13s56	2n21	19s18	0s37	21s48	1n17	12n53	8s54	4n40	4n 7	17s51	17n 0	6s27
T 2	15 4	15 25	4 58	19 44	1 35	3 28	1 16	12 27	4 18	23 43	0 10	13 56	2 22	19 17	0 37	21 48	1 17	12 54	8 54	4 40	4 9	17 51	17 1	6 26
W 3	14 45	17 13	5 12	19 51	1 23	3 59	1 22	12 35	4 18	23 43	0 11	13 57	2 22	19 16	0 37	21 48	1 17	12 54	8 54	4 41	4 10	17 50	17 1	6 26
T 4	14 26	18 14	5 12	19 57	1 11	4 28	1 28	12 43	4 19	23 43	0 11	13 57	2 22	19 15	0 37	21 48	1 17	12 54	8 54	4 42	4 11	17 50	17 2	6 26
F 5	14 6	18 26	4 58	20 1	0 59	4 58	1 34	12 52	4 20	23 43	0 11	13 57	2 22	19 15	0 37	21 49	1 17	12 54	8 53	4 44	4 12	17 49	17 2	6 25
S 6	13 46	17 51	4 32	20 5	0 48	5 28	1 40	13 0	4 20	23 44	0 11	13 57	2 22	19 14	0 37	21 49	1 17	12 54	8 53	4 45	4 14	17 49	17 3	6 25
S 7	13 26	16 28	3 54	20 7	0 36	5 57	1 46	13 9	4 20	23 44	0 11	13 57	2 23	19 13	0 37	21 49	1 18	12 55	8 53	4 47	4 15	17 48	17 3	6 24
M 8	13 6	14 23	3 6	20 8	0 25	6 27	1 52	13 17	4 21	23 44	0 11	13 57	2 23	19 12	0 37	21 49	1 18	12 55	8 53	4 49	4 16	17 48	17 4	6 24
T 9	12 46	11 39	2 9	20 7	0 14	6 56	1 59	13 26	4 21	23 44	0 11	13 57	2 23	19 11	0 37	21 49	1 18	12 55	8 52	4 50	4 17	17 47	17 4	6 24
W10	12 25	8 23	1 5	20 6	0 4	7 24	2 5	13 34	4 21	23 44	0 11	13 57	2 23	19 10	0 37	21 49	1 18	12 55	8 52	4 50	4 19	17 47	17 5	6 23
T 11	12 4	4 44	0s 2	20 3	0s 6	7 53	2 11	13 43	4 21	23 44	0 11	13 57	2 24	19 10	0 37	21 49	1 18	12 55	8 52	4 51	4 20	17 46	17 5	6 23
F 12	11 43	0 50	1 10	19 58	0 16	8 21	2 18	13 51	4 21	23 44	0 11	13 57	2 24	19 9	0 37	21 49	1 18	12 56	8 52	4 50	4 21	17 46	17 6	6 22
S 13	11 22	3n11	2 16	19 53	0 26	8 50	2 24	13 59	4 21	23 44	0 12	13 57	2 24	19 8	0 37	21 49	1 18	12 56	8 51	4 50	4 22	17 45	17 6	6 22
S 14	11 0	7 6	3 17	19 46	0 35	9 18	2 31	14 8	4 20	23 44	0 12	13 57	2 24	19 7	0 37	21 49	1 18	12 56	8 51	4 49	4 24	17 45	17 7	6 21
M15	10 39	10 45	4 8	19 38	0 44	9 45	2 37	14 16	4 20	23 44	0 12	13 57	2 24	19 6	0 37	21 49	1 18	12 56	8 51	4 49	4 25	17 44	17 7	6 21
T 16	10 17	13 56	4 47	19 28	0 52	10 12	2 44	14 24	4 19	23 45	0 12	13 56	2 25	19 6	0 37	21 49	1 18	12 57	8 51	4 49	4 26	17 44	17 8	6 21
W17	9 55	16 24	5 11	19 17	1 0	10 40	2 51	14 32	4 19	23 45	0 12	13 56	2 25	19 5	0 37	21 49	1 18	12 57	8 51	4 48	4 27	17 44	17 8	6 20
T 18	9 33	17 57	5 16	19 5	1 8	11 6	2 57	14 40	4 18	23 45	0 12	13 56	2 25	19 4	0 37	21 49	1 18	12 57	8 50	4 49	4 29	17 43	17 9	6 20
F 19	9 11	18 25	5 3	18 51	1 15	11 33	3 4	14 48	4 17	23 45	0 12	13 56	2 25	19 3	0 37	21 49	1 18	12 57	8 50	4 49	4 30	17 43	17 9	6 19
S 20	8 49	17 39	4 29	18 36	1 22	11 59	3 11	14 56	4 16	23 45	0 12	13 55	2 25	19 2	0 37	21 49	1 18	12 58	8 50	4 49	4 31	17 42	17 10	6 19
S 21	8 26	15 43	3 38	18 20	1 28	12 25	3 17	15 3	4 15	23 45	0 12	13 55	2 26	19 2	0 37	21 49	1 18	12 58	8 50	4 50	4 32	17 42	17 10	6 18
M22	8 4	12 43	2 32	18 2	1 35	12 50	3 24	15 11	4 14	23 45	0 12	13 55	2 26	19 1	0 37	21 49	1 18	12 58	8 49	4 50	4 34	17 41	17 11	6 18
T 23	7 41	8 55	1 16	17 43	1 40	13 15	3 31	15 18	4 13	23 45	0 12	13 54	2 26	19 0	0 37	21 49	1 18	12 58	8 49	4 51	4 35	17 41	17 11	6 17
W24	7 18	4 37	0n 4	17 22	1 46	13 40	3 37	15 25	4 11	23 45	0 13	13 54	2 26	18 59	0 37	21 49	1 18	12 59	8 49	4 51	4 36	17 40	17 12	6 17
T 25	6 56	0 8	1 22	17 0	1 51	14 4	3 44	15 31	4 10	23 45	0 13	13 53	2 26	18 58	0 37	21 49	1 18	12 59	8 49	4 51	4 37	17 39	17 12	6 16
F 26	6 33	4s14	2 34	16 37	1 55	14 28	3 51	15 38	4 9	23 45	0 13	13 53	2 27	18 58	0 37	21 49	1 18	12 59	8 48	4 50	4 39	17 39	17 13	6 16
S 27	6 10	8 15	3 34	16 12	1 59	14 51	3 57	15 44	4 7	23 46	0 13	13 52	2 27	18 57	0 37	21 49	1 18	13 0	8 48	4 50	4 40	17 38	17 13	6 15
S 28	5 47	11 44	4 22	15 46	2 3	15 14	4 4	15 50	4 5	23 46	0 13	13 52	2 27	18 56	0 37	21 49	1 18	13 0	8 48	4 50	4 41	17 38	17 14	6 15
M29	5s23	14s34	4n55	15s19	2s 6	15n37	4n11	15n55	4n 3	23n46	0n13	13s51	2n27	18s55	0s37	21s49	1n18	13n 0	8s48	4n50	4n42	17s37	17n14	6s14

Julian Day Number = 2144778.5, Delta T = 14m53s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'47, Lahiri = 12°08'47 Julian Calendar 1 Feb. 1160 == Greg. Calendar 8 Feb. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

MARCH 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 56	17♓23'47	8♐23	26♒18	1♉16	27°R57	29♊57	14°R16	8♒ 8	19♐27	7♊39	17♍49	18♍ 6	21♑ 6	4°R26	T 1
W 2	11 5 53	18°23'19	20°31	27°52	1°59	27♌37	29°59	14♏15	8°11	19°28	7°40	17°49	18° 2	21°13	4°D26	W 2
T 3	11 9 49	19°22'49	2♑29	29°27	2°42	27°18	0♋ 2	14°13	8°14	19°28	7°40	17°49	17°59	21°20	4♋26	T 3
F 4	11 13 46	20°22'17	14°21	1♓ 3	3°24	27° 0	0° 4	14°11	8°17	19°29	7°41	17°50	17°56	21°26	4°26	F 4
S 5	11 17 43	21°21'43	26°12	2°41	4° 4	26°42	0° 7	14°10	8°19	19°29	7°41	17°50	17°53	21°33	4°26	S 5
S 6	11 21 39	22°21'08	8♒ 5	4°20	4°43	26°25	0°11	14° 8	8°22	19°29	7°41	17°50	17°50	21°40	4°27	S 6
M 7	11 25 36	23°20'31	20° 5	6° 0	5°21	26° 8	0°14	14° 6	8°25	19°29	7°42	17°51	17°47	21°46	4°27	M 7
T 8	11 29 32	24°19'51	2♓14	7°42	5°58	25°52	0°18	14° 4	8°28	19°30	7°42	17°51	17°43	21°53	4°28	T 8
W 9	11 33 29	25°19'10	14°34	9°25	6°34	25°37	0°21	14° 2	8°30	19°30	7°43	17°R52	17°40	22° 0	4°28	W 9
T 10	11 37 25	26°18'27	27° 8	11°10	7° 8	25°23	0°25	13°59	8°33	19°30	7°43	17°52	17°37	22° 6	4°29	T 10
F 11	11 41 22	27°17'41	9♈56	12°55	7°41	25° 9	0°29	13°57	8°35	19°30	7°44	17°51	17°34	22°13	4°30	F 11
S 12	11 45 18	28°16'54	22°58	14°43	8°12	24°56	0°33	13°55	8°38	19°30	7°45	17°50	17°31	22°20	4°31	S 12
S 13	11 49 15	29°16'04	6♉15	16°31	8°42	24°44	0°38	13°52	8°41	19°30	7°45	17°49	17°27	22°26	4°32	S 13
M14	11 53 11	0♈15'12	19°44	18°21	9°10	24°32	0°43	13°50	8°43	19°31	7°46	17°47	17°24	22°33	4°33	M14
T 15	11 57 8	1°14'17	3♊27	20°13	9°37	24°22	0°47	13°47	8°45	19°R31	7°46	17°46	17°21	22°40	4°34	T 15
W16	12 1 5	2°13'21	17°20	22° 5	10° 2	24°12	0°52	13°44	8°48	19°30	7°47	17°44	17°18	22°47	4°36	W16
T 17	12 5 1	3°12'22	1♋23	23°59	10°25	24° 3	0°57	13°42	8°50	19°30	7°48	17°D44	17°15	22°53	4°37	T 17
F 18	12 8 58	4°11'21	15°34	25°55	10°46	23°55	1° 3	13°39	8°53	19°30	7°48	17°44	17°12	23° 0	4°38	F 18
S 19	12 12 54	5°10'17	29°52	27°52	11° 5	23°47	1° 8	13°36	8°55	19°30	7°49	17°45	17° 8	23° 7	4°40	S 19
S 20	12 16 51	6° 9'11	14♌13	29°50	11°23	23°40	1°14	13°33	8°57	19°30	7°50	17°46	17° 5	23°13	4°42	S 20
M21	12 20 47	7° 8'02	28°35	1♈50	11°38	23°35	1°19	13°30	8°59	19°30	7°51	17°48	17° 2	23°20	4°43	M21
T 22	12 24 44	8° 6'51	12♍52	3°51	11°51	23°30	1°25	13°26	9° 2	19°30	7°51	17°R48	16°59	23°27	4°45	T 22
W23	12 28 40	9° 5'39	27° 2	5°53	12° 3	23°25	1°31	13°23	9° 4	19°29	7°52	17°48	16°56	23°33	4°47	W23
T 24	12 32 37	10° 4'23	10♎59	7°57	12°12	23°22	1°37	13°20	9° 6	19°29	7°53	17°47	16°53	23°40	4°49	T 24
F 25	12 36 34	11° 3'06	24°40	10° 1	12°18	23°19	1°44	13°16	9° 8	19°29	7°54	17°44	16°49	23°47	4°51	F 25
S 26	12 40 30	12° 1'47	8♏ 3	12° 6	12°23	23°17	1°50	13°13	9°10	19°28	7°55	17°41	16°46	23°54	4°53	S 26
S 27	12 44 27	13° 0'27	21° 6	14°12	12°R25	23°16	1°57	13°10	9°12	19°28	7°56	17°37	16°43	24° 0	4°56	S 27
M28	12 48 23	13°59'04	3♐50	16°19	12°25	23°D15	2° 4	13° 6	9°14	19°28	7°56	17°33	16°40	24° 7	4°58	M28
T 29	12 52 20	14°57'40	16°15	18°26	12°22	23°15	2°10	13° 2	9°16	19°27	7°57	17°30	16°37	24°14	5° 0	T 29
W30	12 56 16	15°56'14	28°26	20°33	12°17	23°16	2°18	12°59	9°18	19°27	7°58	17°27	16°33	24°20	5° 3	W30
T 31	13 0 13	16♈54'46	10♑26	22♈40	12♉ 9	23♌18	2♋25	12♏55	9♒19	19♐26	7♊59	17♍26	16♍30	24♑27	5♋ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 0	16s39	5n13	14s50	2s 9	15n59	4n17	16n 1	4n 2	23n46	0n13	13s51	2n27	18s55	0s37	21s49	1n18	13n 0	8s47	4n50	4n44	17s37	17n14	6s14
W 2	4 37	17 56	5 17	14 20	2 12	16 20	4 24	16 6	4 0	23 46	0 13	13 50	2 28	18 54	0 37	21 49	1 18	13 1	8 47	4 50	4 45	17 36	17 15	6 13
T 3	4 13	18 24	5 7	13 48	2 14	16 41	4 31	16 11	3 58	23 46	0 13	13 49	2 28	18 53	0 37	21 49	1 18	13 1	8 47	4 50	4 46	17 36	17 15	6 13
F 4	3 50	18 3	4 44	13 15	2 15	17 2	4 37	16 15	3 56	23 46	0 13	13 49	2 28	18 53	0 37	21 49	1 18	13 1	8 47	4 50	4 47	17 35	17 16	6 13
S 5	3 26	16 55	4 9	12 41	2 16	17 22	4 44	16 20	3 54	23 46	0 13	13 48	2 28	18 52	0 37	21 49	1 18	13 2	8 47	4 50	4 49	17 35	17 16	6 12
S 6	3 3	15 3	3 23	12 5	2 17	17 42	4 50	16 23	3 51	23 46	0 13	13 47	2 28	18 51	0 37	21 49	1 18	13 2	8 46	4 50	4 50	17 34	17 17	6 12
M 7	2 39	12 31	2 28	11 28	2 17	18 1	4 56	16 27	3 49	23 46	0 14	13 47	2 28	18 50	0 37	21 49	1 19	13 2	8 46	4 49	4 51	17 34	17 17	6 11
T 8	2 16	9 24	1 26	10 50	2 17	18 19	5 2	16 30	3 47	23 46	0 14	13 46	2 29	18 50	0 37	21 49	1 19	13 2	8 46	4 49	4 52	17 33	17 18	6 11
W 9	1 52	5 49	0 18	10 10	2 16	18 37	5 9	16 34	3 45	23 46	0 14	13 45	2 29	18 49	0 37	21 49	1 19	13 3	8 46	4 49	4 54	17 33	17 18	6 10
T 10	1 28	1 56	0s51	9 29	2 15	18 54	5 15	16 36	3 42	23 46	0 14	13 44	2 29	18 48	0 37	21 49	1 19	13 3	8 45	4 49	4 55	17 32	17 19	6 10
F 11	1 5	2n 7	1 59	8 47	2 13	19 11	5 21	16 39	3 40	23 47	0 14	13 43	2 29	18 48	0 37	21 49	1 19	13 3	8 45	4 49	4 56	17 31	17 19	6 9
S 12	0 41	6 9	3 3	8 3	2 11	19 27	5 27	16 41	3 38	23 47	0 14	13 43	2 29	18 47	0 37	21 49	1 19	13 4	8 45	4 50	4 57	17 31	17 20	6 9
S 13	0 18	9 56	3 57	7 18	2 8	19 42	5 32	16 43	3 35	23 47	0 14	13 42	2 29	18 47	0 37	21 49	1 19	13 4	8 45	4 50	4 59	17 30	17 20	6 8
M14	0n 6	13 16	4 39	6 32	2 5	19 56	5 38	16 44	3 33	23 47	0 14	13 41	2 30	18 46	0 38	21 49	1 19	13 4	8 44	4 51	5 0	17 30	17 21	6 8
T 15	0 30	15 55	5 6	5 45	2 1	20 10	5 43	16 45	3 30	23 47	0 14	13 40	2 30	18 45	0 38	21 49	1 19	13 5	8 44	4 52	5 1	17 29	17 21	6 7
W16	0 53	17 41	5 16	4 56	1 57	20 23	5 49	16 46	3 28	23 47	0 14	13 39	2 30	18 45	0 38	21 49	1 19	13 5	8 44	4 52	5 2	17 29	17 22	6 7
T 17	1 17	18 25	5 7	4 6	1 52	20 36	5 54	16 47	3 25	23 47	0 14	13 38	2 30	18 44	0 38	21 49	1 19	13 5	8 44	4 52	5 4	17 28	17 22	6 6
F 18	1 40	18 0	4 40	3 15	1 46	20 47	5 59	16 47	3 22	23 47	0 14	13 37	2 30	18 43	0 38	21 49	1 19	13 6	8 44	4 52	5 5	17 27	17 23	6 6
S 19	2 4	16 26	3 55	2 23	1 41	20 58	6 3	16 48	3 20	23 47	0 14	13 36	2 30	18 43	0 38	21 49	1 19	13 6	8 43	4 52	5 6	17 27	17 23	6 5
S 20	2 27	13 51	2 55	1 30	1 34	21 8	6 8	16 47	3 17	23 47	0 14	13 35	2 30	18 42	0 38	21 49	1 19	13 6	8 43	4 51	5 7	17 26	17 23	6 5
M21	2 51	10 24	1 44	0 36	1 27	21 17	6 12	16 47	3 15	23 47	0 15	13 34	2 31	18 42	0 38	21 49	1 19	13 7	8 43	4 51	5 9	17 26	17 24	6 4
T 22	3 14	6 20	0 27	0n19	1 20	21 25	6 16	16 46	3 12	23 47	0 15	13 33	2 31	18 41	0 38	21 49	1 19	13 7	8 43	4 50	5 10	17 25	17 24	6 4
W23	3 37	1 58	0n51	1 15	1 12	21 32	6 20	16 45	3 10	23 47	0 15	13 32	2 31	18 41	0 38	21 49	1 19	13 7	8 43	4 51	5 11	17 24	17 25	6 3
T 24	4 0	2s28	2 4	2 11	1 4	21 38	6 23	16 44	3 7	23 47	0 15	13 31	2 31	18 40	0 38	21 49	1 19	13 7	8 42	4 51	5 12	17 24	17 25	6 3
F 25	4 24	6 40	3 9	3 9	0 55	21 42	6 26	16 42	3 4	23 47	0 15	13 29	2 31	18 40	0 38	21 49	1 19	13 8	8 42	4 52	5 14	17 23	17 26	6 2
S 26	4 47	10 26	4 2	4 6	0 46	21 46	6 28	16 41	3 2	23 47	0 15	13 28	2 31	18 39	0 38	21 49	1 19	13 8	8 42	4 53	5 15	17 23	17 26	6 2
S 27	5 10	13 36	4 41	5 4	0 36	21 49	6 31	16 39	2 59	23 47	0 15	13 27	2 31	18 39	0 38	21 49	1 19	13 8	8 42	4 55	5 16	17 22	17 26	6 1
M28	5 32	16 1	5 5	6 3	0 26	21 51	6 32	16 36	2 57	23 47	0 15	13 26	2 31	18 38	0 38	21 48	1 19	13 9	8 42	4 56	5 17	17 21	17 27	6 1
T 29	5 55	17 38	5 14	7 1	0 16	21 51	6 34	16 34	2 54	23 47	0 15	13 25	2 32	18 38	0 38	21 48	1 19	13 9	8 41	4 58	5 18	17 21	17 27	6 0
W30	6 18	18 24	5 8	7 59	0 5	21 50	6 35	16 31	2 52	23 47	0 15	13 24	2 32	18 37	0 38	21 48	1 19	13 9	8 41	4 59	5 20	17 20	17 27	6 0
T 31	6n40	18s20	4n49	8n57	0n 6	21n48	6n35	16n28	2n49	23n47	0n15	13s22	2n32	18s37	0s38	21s48	1n19	13n10	8s41	4n59	5n21	17s20	17n28	5s59

Julian Day Number = 2144807.5, Delta T = 14m52s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'51, Lahiri = 12°08'51 Julian Calendar 1 March 1160 == Greg. Calendar 8 March 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

APRIL 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 4 9	17♈53'17	22♉18	24♈47	11°R59	23♌21	2♋32	12°R51	9♒21	19°R26	8♊ 0	17°D26	16♍27	24♉34	5♋ 8	F 1
S 2	13 8 6	18°51'45	4♒ 9	26°53	11♉47	23°24	2°40	12♏47	9°23	19♐25	8° 1	17♍27	16°24	24°40	5°11	S 2
S 3	13 12 3	19°50'13	16° 4	28°58	11°32	23°27	2°47	12°43	9°25	19°25	8° 2	17°28	16°21	24°47	5°14	S 3
M 4	13 15 59	20°48'38	28° 6	1♉ 2	11°15	23°32	2°55	12°39	9°26	19°24	8° 3	17°30	16°18	24°54	5°17	M 4
T 5	13 19 56	21°47'02	10♓20	3° 4	10°55	23°37	3° 3	12°35	9°28	19°23	8° 4	17°31	16°14	25° 0	5°20	T 5
W 6	13 23 52	22°45'24	22°50	5° 4	10°33	23°43	3°11	12°31	9°29	19°23	8° 5	17°R31	16°11	25° 7	5°23	W 6
T 7	13 27 49	23°43'44	5♈38	7° 2	10° 9	23°50	3°19	12°27	9°31	19°22	8° 6	17°30	16° 8	25°14	5°26	T 7
F 8	13 31 45	24°42'03	18°46	8°57	9°43	23°57	3°27	12°23	9°32	19°21	8° 7	17°27	16° 5	25°21	5°29	F 8
S 9	13 35 42	25°40'20	2♉12	10°50	9°15	24° 5	3°35	12°19	9°34	19°20	8° 8	17°22	16° 2	25°27	5°32	S 9
S 10	13 39 38	26°38'35	15°55	12°39	8°44	24°13	3°44	12°15	9°35	19°20	8° 9	17°16	15°59	25°34	5°36	S 10
M11	13 43 35	27°36'48	29°51	14°25	8°13	24°22	3°53	12°11	9°36	19°19	8°10	17° 9	15°55	25°41	5°39	M11
T 12	13 47 31	28°34'59	13♊57	16° 8	7°40	24°32	4° 1	12° 6	9°38	19°18	8°12	17° 3	15°52	25°47	5°43	T 12
W13	13 51 28	29°33'09	28° 9	17°47	7° 5	24°42	4°10	12° 2	9°39	19°17	8°13	16°58	15°49	25°54	5°46	W13
T 14	13 55 25	0♉31'16	12♋23	19°23	6°29	24°53	4°19	11°58	9°40	19°16	8°14	16°55	15°46	26° 1	5°50	T 14
F 15	13 59 21	1°29'21	26°36	20°55	5°53	25° 4	4°28	11°53	9°41	19°15	8°15	16°D54	15°43	26° 7	5°54	F 15
S 16	14 3 18	2°27'25	10♌46	22°23	5°15	25°16	4°37	11°49	9°42	19°14	8°16	16°54	15°39	26°14	5°58	S 16
S 17	14 7 14	3°25'26	24°50	23°47	4°38	25°29	4°47	11°44	9°43	19°13	8°17	16°55	15°36	26°21	6° 1	S 17
M18	14 11 11	4°23'25	8♍49	25° 7	4° 0	25°42	4°56	11°40	9°44	19°12	8°18	16°56	15°33	26°27	6° 5	M18
T 19	14 15 7	5°21'23	22°40	26°22	3°22	25°55	5° 6	11°36	9°45	19°11	8°20	16°R56	15°30	26°34	6° 9	T 19
W20	14 19 4	6°19'18	6♎23	27°34	2°44	26°10	5°15	11°31	9°46	19°10	8°21	16°54	15°27	26°41	6°13	W20
T 21	14 23 0	7°17'12	19°55	28°41	2° 7	26°24	5°25	11°27	9°47	19° 9	8°22	16°50	15°24	26°48	6°18	T 21
F 22	14 26 57	8°15'04	3♏16	29°44	1°31	26°39	5°35	11°22	9°48	19° 8	8°23	16°44	15°20	26°54	6°22	F 22
S 23	14 30 54	9°12'55	16°23	0♊42	0°56	26°55	5°45	11°18	9°49	19° 7	8°25	16°36	15°17	27° 1	6°26	S 23
S 24	14 34 50	10°10'44	29°14	1°36	0°22	27°11	5°55	11°13	9°49	19° 6	8°26	16°27	15°14	27° 8	6°31	S 24
M25	14 38 47	11° 8'31	11♐51	2°26	29♈49	27°27	6° 5	11° 9	9°50	19° 5	8°27	16°17	15°11	27°14	6°35	M25
T 26	14 42 43	12° 6'18	24°13	3°11	29°19	27°44	6°15	11° 4	9°51	19° 3	8°28	16° 8	15° 8	27°21	6°39	T 26
W27	14 46 40	13° 4'03	6♑21	3°51	28°50	28° 2	6°25	11° 0	9°51	19° 2	8°30	16° 1	15° 4	27°28	6°44	W27
T 28	14 50 36	14° 1'47	18°20	4°26	28°22	28°20	6°35	10°55	9°52	19° 1	8°31	15°55	15° 1	27°34	6°49	T 28
F 29	14 54 33	14°59'30	0♒12	4°57	27°57	28°38	6°46	10°51	9°52	19° 0	8°32	15°52	14°58	27°41	6°53	F 29
S 30	14 58 29	15♉57'12	12♒ 2	5♊23	27♈34	28♌57	6♋56	10♏47	9♒53	18♐58	8♊34	15°D51	14♍55	27♉48	6♋58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 3	17s27	4n18	9n54	0n17	21n45	6n35	16n25	2n47	23n47	0n15	13s21	2n32	18s36	0s38	21s48	1n19	13n10	8s41	4n59	5n22	17s19	17n28	5s59
S 2	7 25	15 49	3 35	10 50	0 27	21 40	6 34	16 22	2 44	23 46	0 15	13 20	2 32	18 36	0 38	21 48	1 19	13 10	8 41	4 59	5 23	17 18	17 29	5 58
S 3	7 47	13 29	2 44	11 45	0 38	21 34	6 33	16 18	2 42	23 46	0 15	13 19	2 32	18 35	0 38	21 48	1 19	13 11	8 40	4 58	5 25	17 18	17 29	5 58
M 4	8 10	10 33	1 44	12 39	0 49	21 27	6 31	16 14	2 39	23 46	0 15	13 17	2 32	18 35	0 38	21 48	1 20	13 11	8 40	4 58	5 26	17 17	17 29	5 57
T 5	8 32	7 7	0 39	13 32	1 0	21 18	6 28	16 10	2 37	23 46	0 16	13 16	2 32	18 35	0 38	21 48	1 20	13 11	8 40	4 57	5 27	17 16	17 30	5 57
W 6	8 53	3 18	0s29	14 22	1 10	21 8	6 25	16 6	2 34	23 46	0 16	13 15	2 32	18 34	0 38	21 48	1 20	13 12	8 40	4 57	5 28	17 16	17 30	5 57
T 7	9 15	0n46	1 37	15 11	1 21	20 56	6 21	16 1	2 32	23 46	0 16	13 14	2 32	18 34	0 38	21 48	1 20	13 12	8 40	4 58	5 30	17 15	17 30	5 56
F 8	9 37	4 53	2 42	15 58	1 30	20 43	6 16	15 57	2 29	23 46	0 16	13 12	2 32	18 34	0 38	21 48	1 20	13 12	8 39	4 59	5 31	17 15	17 31	5 56
S 9	9 58	8 52	3 39	16 43	1 40	20 29	6 11	15 52	2 27	23 46	0 16	13 11	2 32	18 33	0 38	21 48	1 20	13 13	8 39	5 1	5 32	17 14	17 31	5 55
S 10	10 19	12 27	4 25	17 25	1 48	20 13	6 5	15 47	2 25	23 45	0 16	13 10	2 32	18 33	0 38	21 47	1 20	13 13	8 39	5 3	5 33	17 13	17 31	5 55
M11	10 40	15 24	4 56	18 5	1 56	19 57	5 58	15 41	2 22	23 45	0 16	13 8	2 32	18 33	0 38	21 47	1 20	13 13	8 39	5 6	5 35	17 13	17 31	5 54
T 12	11 1	17 28	5 9	18 43	2 4	19 38	5 50	15 36	2 20	23 45	0 16	13 7	2 32	18 32	0 38	21 47	1 20	13 14	8 39	5 8	5 36	17 12	17 32	5 54
W13	11 22	18 28	5 4	19 18	2 11	19 19	5 42	15 30	2 18	23 45	0 16	13 6	2 33	18 32	0 39	21 47	1 20	13 14	8 39	5 10	5 37	17 11	17 32	5 53
T 14	11 42	18 19	4 40	19 51	2 17	18 58	5 33	15 24	2 15	23 45	0 16	13 4	2 33	18 32	0 39	21 47	1 20	13 14	8 38	5 11	5 38	17 11	17 32	5 53
F 15	12 3	17 1	3 58	20 21	2 22	18 37	5 24	15 18	2 13	23 44	0 16	13 3	2 33	18 31	0 39	21 47	1 20	13 15	8 38	5 12	5 40	17 10	17 33	5 53
S 16	12 23	14 41	3 3	20 48	2 26	18 15	5 13	15 12	2 11	23 44	0 16	13 2	2 33	18 31	0 39	21 47	1 20	13 15	8 38	5 12	5 41	17 9	17 33	5 52
S 17	12 43	11 28	1 57	21 13	2 30	17 51	5 2	15 6	2 9	23 44	0 16	13 0	2 33	18 31	0 39	21 47	1 20	13 15	8 38	5 11	5 42	17 9	17 33	5 52
M18	13 2	7 38	0 44	21 36	2 33	17 28	4 51	14 59	2 6	23 44	0 16	12 59	2 33	18 31	0 39	21 47	1 20	13 16	8 38	5 11	5 43	17 8	17 33	5 51
T 19	13 22	3 24	0n31	21 56	2 35	17 3	4 39	14 53	2 4	23 43	0 16	12 58	2 33	18 30	0 39	21 47	1 20	13 16	8 38	5 11	5 44	17 7	17 33	5 51
W20	13 41	0s58	1 43	22 14	2 35	16 38	4 26	14 46	2 2	23 43	0 17	12 56	2 33	18 30	0 39	21 46	1 20	13 16	8 38	5 12	5 46	17 7	17 34	5 51
T 21	14 0	5 14	2 48	22 29	2 35	16 13	4 13	14 39	2 0	23 43	0 17	12 55	2 33	18 30	0 39	21 46	1 20	13 17	8 37	5 13	5 47	17 6	17 34	5 50
F 22	14 19	9 10	3 43	22 42	2 34	15 48	4 0	14 32	1 58	23 42	0 17	12 53	2 33	18 30	0 39	21 46	1 20	13 17	8 37	5 15	5 48	17 5	17 34	5 50
S 23	14 38	12 35	4 25	22 52	2 32	15 23	3 46	14 24	1 56	23 42	0 17	12 52	2 33	18 30	0 39	21 46	1 20	13 17	8 37	5 19	5 49	17 5	17 34	5 50
S 24	14 56	15 19	4 52	23 1	2 30	14 58	3 32	14 17	1 54	23 42	0 17	12 51	2 32	18 30	0 39	21 46	1 20	13 18	8 37	5 22	5 51	17 4	17 34	5 49
M25	15 14	17 17	5 5	23 7	2 26	14 33	3 18	14 9	1 52	23 41	0 17	12 49	2 32	18 29	0 39	21 46	1 20	13 18	8 37	5 26	5 52	17 3	17 35	5 49
T 26	15 32	18 23	5 3	23 11	2 21	14 9	3 4	14 1	1 50	23 41	0 17	12 48	2 32	18 29	0 39	21 46	1 20	13 18	8 37	5 30	5 53	17 2	17 35	5 48
W27	15 50	18 37	4 47	23 13	2 15	13 45	2 50	13 54	1 48	23 40	0 17	12 47	2 32	18 29	0 39	21 46	1 20	13 19	8 37	5 32	5 54	17 2	17 35	5 48
T 28	16 7	18 1	4 18	23 13	2 8	13 22	2 35	13 45	1 46	23 40	0 17	12 45	2 32	18 29	0 39	21 46	1 20	13 19	8 37	5 35	5 56	17 1	17 35	5 48
F 29	16 24	16 38	3 39	23 11	2 0	12 59	2 21	13 37	1 44	23 39	0 17	12 44	2 32	18 29	0 39	21 45	1 20	13 19	8 36	5 36	5 57	17 0	17 35	5 47
S 30	16n41	14s32	2n51	23n 7	1n51	12n38	2n 7	13n29	1n42	23n39	0n17	12s43	2n32	18s29	0s39	21s45	1n20	13n20	8s36	5n36	5n58	17s 0	17n35	5s47

Julian Day Number = 2144838.5, Delta T = 14m52s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'55, Lahiri = 12°08'56 Julian Calendar 1 Apr. 1160 == Greg. Calendar 8 Apr. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

MAY 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 26	16♉54'52	23♒56	5♊44	27°R14	29♌16	7♋ 7	10°R42	9♒53	18°R57	8♊35	15♍51	14♍52	27♏54	7♋ 3	S 1
M 2	15 6 23	17°52'32	5♓59	6° 1	26♈56	29°35	7°18	10♏38	9°53	18♐56	8°36	15°52	14°49	28° 1	7° 8	M 2
T 3	15 10 19	18°50'10	18°15	6°12	26°40	29°55	7°29	10°33	9°53	18°54	8°37	15°R52	14°45	28° 8	7°13	T 3
W 4	15 14 16	19°47'47	0♈49	6°19	26°26	0♍16	7°39	10°29	9°54	18°53	8°39	15°51	14°42	28°14	7°17	W 4
T 5	15 18 12	20°45'24	13°46	6°R21	26°15	0°36	7°50	10°24	9°54	18°52	8°40	15°48	14°39	28°21	7°23	T 5
F 6	15 22 9	21°42'59	27° 6	6°18	26° 6	0°57	8° 1	10°20	9°54	18°50	8°41	15°42	14°36	28°28	7°28	F 6
S 7	15 26 5	22°40'33	10♉50	6°11	26° 0	1°19	8°13	10°16	9°54	18°49	8°43	15°34	14°33	28°35	7°33	S 7
S 8	15 30 2	23°38'06	24°56	6° 0	25°56	1°41	8°24	10°11	9°R54	18°48	8°44	15°24	14°30	28°41	7°38	S 8
M 9	15 33 58	24°35'38	9♊19	5°45	25°D55	2° 3	8°35	10° 7	9°54	18°46	8°46	15°14	14°26	28°48	7°43	M 9
T 10	15 37 55	25°33'09	23°53	5°25	25°55	2°25	8°46	10° 3	9°54	18°45	8°47	15° 4	14°23	28°55	7°48	T 10
W11	15 41 52	26°30'39	8♋30	5° 3	25°58	2°48	8°58	9°59	9°54	18°43	8°48	14°55	14°20	29° 1	7°54	W11
T 12	15 45 48	27°28'08	23° 3	4°37	26° 4	3°11	9° 9	9°55	9°54	18°42	8°50	14°49	14°17	29° 8	7°59	T 12
F 13	15 49 45	28°25'35	7♌28	4° 9	26°11	3°35	9°21	9°50	9°53	18°40	8°51	14°45	14°14	29°15	8° 4	F 13
S 14	15 53 41	29°23'00	21°41	3°38	26°21	3°59	9°32	9°46	9°53	18°39	8°52	14°44	14°10	29°21	8°10	S 14
S 15	15 57 38	0♊20'25	5♍41	3° 6	26°33	4°23	9°44	9°42	9°53	18°37	8°54	14°D44	14° 7	29°28	8°15	S 15
M16	16 1 34	1°17'48	19°27	2°33	26°46	4°47	9°56	9°38	9°52	18°36	8°55	14°R44	14° 4	29°35	8°21	M16
T 17	16 5 31	2°15'10	3♎ 1	2° 0	27° 2	5°12	10° 8	9°34	9°52	18°34	8°57	14°43	14° 1	29°41	8°27	T 17
W18	16 9 27	3°12'31	16°22	1°26	27°20	5°37	10°20	9°30	9°52	18°33	8°58	14°40	13°58	29°48	8°32	W18
T 19	16 13 24	4° 9'51	29°32	0°53	27°39	6° 2	10°31	9°26	9°51	18°31	8°59	14°34	13°55	29°55	8°38	T 19
F 20	16 17 21	5° 7'10	12♏31	0°22	28° 1	6°28	10°43	9°23	9°50	18°30	9° 1	14°25	13°51	0♒ 1	8°44	F 20
S 21	16 21 17	6° 4'28	25°18	29♉52	28°24	6°54	10°55	9°19	9°50	18°28	9° 2	14°14	13°48	0° 8	8°49	S 21
S 22	16 25 14	7° 1'45	7♐54	29°24	28°48	7°20	11° 8	9°15	9°49	18°26	9° 4	14° 2	13°45	0°15	8°55	S 22
M23	16 29 10	7°59'02	20°18	29° 0	29°15	7°47	11°20	9°12	9°48	18°25	9° 5	13°48	13°42	0°21	9° 1	M23
T 24	16 33 7	8°56'18	2♑31	28°38	29°43	8°13	11°32	9° 8	9°48	18°23	9° 6	13°36	13°39	0°28	9° 7	T 24
W25	16 37 3	9°53'33	14°34	28°20	0♉12	8°40	11°44	9° 4	9°47	18°22	9° 8	13°25	13°36	0°35	9°13	W25
T 26	16 41 0	10°50'48	26°29	28° 6	0°43	9° 7	11°56	9° 1	9°46	18°20	9° 9	13°17	13°32	0°42	9°19	T 26
F 27	16 44 56	11°48'02	8♒19	27°55	1°15	9°35	12° 9	8°58	9°45	18°18	9°11	13°11	13°29	0°48	9°25	F 27
S 28	16 48 53	12°45'16	20° 8	27°49	1°49	10° 3	12°21	8°54	9°44	18°17	9°12	13° 8	13°26	0°55	9°31	S 28
S 29	16 52 50	13°42'30	2♓ 1	27°D48	2°24	10°30	12°34	8°51	9°43	18°15	9°13	13° 6	13°23	1° 2	9°37	S 29
M30	16 56 46	14°39'44	14° 2	27°51	3° 0	10°59	12°46	8°48	9°42	18°14	9°15	13° 6	13°20	1° 8	9°43	M30
T 31	17 0 43	15♊36'57	26♓17	27♉58	3♉37	11♍27	12♋59	8♏45	9♒41	18♐12	9♊16	13♍ 6	13♍16	1♒15	9♋49	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n58	11s48	1n55	23n 1	1n41	12n17	1n53	13n20	1n40	23n38	0n17	12s41	2n32	18s29	0s39	21s45	1n20	13n20	8s36	5n36	5n59	16s59	17n35	5s47
M 2	17 14	8 33	0 53	22 53	1 30	11 57	1 39	13 12	1 38	23 38	0 17	12 40	2 32	18 29	0 39	21 45	1 20	13 20	8 36	5 36	6 0	16 58	17 35	5 46
T 3	17 30	4 52	0s13	22 43	1 18	11 39	1 25	13 3	1 36	23 37	0 17	12 39	2 32	18 29	0 39	21 45	1 20	13 20	8 36	5 36	6 2	16 57	17 35	5 46
W 4	17 46	0 53	1 19	22 31	1 5	11 21	1 12	12 54	1 34	23 37	0 17	12 38	2 32	18 29	0 39	21 45	1 20	13 21	8 36	5 36	6 3	16 57	17 35	5 46
T 5	18 1	3n15	2 23	22 18	0 51	11 5	0 58	12 45	1 32	23 36	0 18	12 36	2 32	18 29	0 39	21 45	1 20	13 21	8 36	5 38	6 4	16 56	17 35	5 45
F 6	18 16	7 22	3 21	22 3	0 37	10 50	0 45	12 36	1 30	23 36	0 18	12 35	2 32	18 29	0 39	21 45	1 20	13 21	8 36	5 40	6 5	16 55	17 36	5 45
S 7	18 31	11 12	4 9	21 47	0 21	10 36	0 33	12 26	1 29	23 35	0 18	12 34	2 32	18 29	0 39	21 44	1 20	13 22	8 36	5 43	6 7	16 55	17 36	5 45
S 8	18 46	14 30	4 44	21 30	0 5	10 23	0 20	12 17	1 27	23 34	0 18	12 32	2 32	18 29	0 39	21 44	1 20	13 22	8 35	5 47	6 8	16 54	17 36	5 45
M 9	19 0	16 59	5 1	21 11	0s11	10 11	0 9	12 7	1 25	23 34	0 18	12 31	2 31	18 29	0 39	21 44	1 20	13 22	8 35	5 51	6 9	16 53	17 36	5 44
T 10	19 14	18 26	4 59	20 51	0 28	10 1	0s 3	11 57	1 23	23 33	0 18	12 30	2 31	18 29	0 40	21 44	1 20	13 23	8 35	5 55	6 10	16 52	17 36	5 44
W11	19 28	18 39	4 37	20 30	0 45	9 51	0 14	11 47	1 22	23 32	0 18	12 29	2 31	18 29	0 40	21 44	1 20	13 23	8 35	5 58	6 12	16 52	17 35	5 44
T 12	19 41	17 39	3 58	20 8	1 2	9 43	0 25	11 37	1 20	23 32	0 18	12 28	2 31	18 29	0 40	21 44	1 20	13 23	8 35	6 0	6 13	16 51	17 35	5 43
F 13	19 54	15 31	3 4	19 46	1 20	9 36	0 36	11 27	1 18	23 31	0 18	12 26	2 31	18 29	0 40	21 44	1 20	13 23	8 35	6 2	6 14	16 50	17 35	5 43
S 14	20 6	12 28	1 59	19 23	1 37	9 30	0 46	11 17	1 17	23 30	0 18	12 25	2 31	18 29	0 40	21 43	1 20	13 24	8 35	6 2	6 15	16 49	17 35	5 43
S 15	20 19	8 44	0 48	19 0	1 54	9 25	0 56	11 7	1 15	23 29	0 18	12 24	2 31	18 29	0 40	21 43	1 20	13 24	8 35	6 2	6 16	16 49	17 35	5 43
M16	20 31	4 35	0n25	18 38	2 10	9 21	1 5	10 56	1 13	23 29	0 18	12 23	2 31	18 29	0 40	21 43	1 20	13 24	8 35	6 2	6 18	16 48	17 35	5 42
T 17	20 42	0 15	1 35	18 16	2 26	9 19	1 14	10 45	1 12	23 28	0 18	12 22	2 31	18 30	0 40	21 43	1 20	13 24	8 35	6 3	6 19	16 47	17 35	5 42
W18	20 53	4s 1	2 39	17 54	2 42	9 17	1 23	10 35	1 10	23 27	0 18	12 21	2 30	18 30	0 40	21 43	1 20	13 25	8 35	6 4	6 20	16 46	17 35	5 42
T 19	21 4	8 2	3 33	17 34	2 56	9 16	1 31	10 24	1 9	23 26	0 18	12 20	2 30	18 30	0 40	21 43	1 20	13 25	8 35	6 6	6 21	16 46	17 35	5 42
F 20	21 15	11 36	4 16	17 14	3 9	9 16	1 39	10 13	1 7	23 25	0 19	12 19	2 30	18 30	0 40	21 43	1 20	13 25	8 35	6 10	6 23	16 45	17 35	5 41
S 21	21 25	14 34	4 44	16 56	3 21	9 17	1 47	10 2	1 5	23 24	0 19	12 18	2 30	18 30	0 40	21 42	1 20	13 26	8 35	6 14	6 24	16 44	17 35	5 41
S 22	21 35	16 49	4 59	16 39	3 32	9 19	1 54	9 51	1 4	23 23	0 19	12 17	2 30	18 31	0 40	21 42	1 20	13 26	8 34	6 19	6 25	16 43	17 34	5 41
M23	21 44	18 14	4 58	16 25	3 42	9 22	2 1	9 39	1 2	23 22	0 19	12 16	2 30	18 31	0 40	21 42	1 20	13 26	8 34	6 24	6 26	16 43	17 34	5 41
T 24	21 53	18 47	4 44	16 12	3 51	9 26	2 8	9 28	1 1	23 21	0 19	12 15	2 29	18 31	0 40	21 42	1 20	13 26	8 34	6 29	6 28	16 42	17 34	5 41
W25	22 2	18 28	4 18	16 1	3 58	9 30	2 14	9 16	0 59	23 20	0 19	12 14	2 29	18 31	0 40	21 42	1 20	13 27	8 34	6 33	6 29	16 41	17 34	5 40
T 26	22 10	17 21	3 40	15 52	4 4	9 35	2 20	9 5	0 58	23 19	0 19	12 13	2 29	18 32	0 40	21 42	1 20	13 27	8 34	6 36	6 30	16 40	17 34	5 40
F 27	22 18	15 29	2 53	15 45	4 8	9 41	2 25	8 53	0 56	23 18	0 19	12 12	2 29	18 32	0 40	21 42	1 20	13 27	8 34	6 38	6 31	16 39	17 33	5 40
S 28	22 26	12 58	1 58	15 41	4 11	9 48	2 31	8 41	0 55	23 17	0 19	12 11	2 29	18 32	0 40	21 42	1 20	13 27	8 34	6 39	6 32	16 39	17 33	5 40
S 29	22 33	9 54	0 58	15 38	4 13	9 55	2 36	8 29	0 54	23 16	0 19	12 10	2 29	18 32	0 40	21 41	1 20	13 27	8 34	6 40	6 34	16 38	17 33	5 40
M30	22 40	6 23	0s 5	15 38	4 14	10 3	2 41	8 17	0 52	23 15	0 19	12 9	2 28	18 33	0 40	21 41	1 20	13 28	8 34	6 40	6 35	16 37	17 33	5 40
T 31	22n46	2s33	1s 9	15n40	4s14	10n11	2s45	8n 5	0n51	23n14	0n19	12s 8	2n28	18s33	0s40	21s41	1n20	13n28	8s34	6n40	6n36	16s36	17n32	5s39

Julian Day Number = 2144868.5, Delta T = 14m52s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°01'59, Lahiri = 12°09'00 Julian Calendar 1 May 1160 == Greg. Calendar 8 May 1160

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1160
geocentric

JUNE 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 4 39	16♊34'10	8♈51	28♉10	4♉15	11♍56	13♋11	8°R41	9°R40	18°R10	9♊18	13°R 5	13♍13	1♒22	9♋55	W 1
T 2	17 8 36	17°31'23	21°49	28°27	4°55	12°24	13°24	8♏38	9♒39	18♐ 9	9°19	13♍ 1	13°10	1°28	10° 1	T 2
F 3	17 12 32	18°28'36	5♉14	28°49	5°36	12°54	13°36	8°36	9°38	18° 7	9°20	12°56	13° 7	1°35	10° 8	F 3
S 4	17 16 29	19°25'49	19° 7	29°15	6°17	13°23	13°49	8°33	9°37	18° 6	9°22	12°48	13° 4	1°42	10°14	S 4
S 5	17 20 25	20°23'01	3♊26	29°46	7° 0	13°52	14° 2	8°30	9°35	18° 4	9°23	12°37	13° 1	1°48	10°20	S 5
M 6	17 24 22	21°20'14	18° 7	0♊21	7°43	14°22	14°15	8°27	9°34	18° 2	9°25	12°26	12°57	1°55	10°26	M 6
T 7	17 28 19	22°17'26	3♋ 1	1° 1	8°28	14°52	14°27	8°25	9°33	18° 1	9°26	12°16	12°54	2° 2	10°33	T 7
W 8	17 32 15	23°14'38	18° 1	1°45	9°13	15°22	14°40	8°22	9°31	17°59	9°27	12° 7	12°51	2° 8	10°39	W 8
T 9	17 36 12	24°11'50	2♌56	2°34	9°59	15°53	14°53	8°20	9°30	17°57	9°29	12° 0	12°48	2°15	10°45	T 9
F 10	17 40 8	25° 9'02	17°39	3°27	10°46	16°23	15° 6	8°17	9°28	17°56	9°30	11°56	12°45	2°22	10°52	F 10
S 11	17 44 5	26° 6'13	2♍ 5	4°24	11°34	16°54	15°19	8°15	9°27	17°54	9°31	11°54	12°42	2°28	10°58	S 11
S 12	17 48 1	27° 3'23	16°11	5°25	12°22	17°25	15°32	8°13	9°25	17°53	9°33	11°D54	12°38	2°35	11° 4	S 12
M13	17 51 58	28° 0'33	29°56	6°31	13°12	17°56	15°45	8°11	9°24	17°51	9°34	11°R54	12°35	2°42	11°11	M13
T 14	17 55 54	28°57'43	13♎23	7°41	14° 1	18°27	15°58	8° 9	9°22	17°49	9°35	11°53	12°32	2°48	11°17	T 14
W15	17 59 51	29°54'53	26°32	8°54	14°52	18°59	16°11	8° 7	9°20	17°48	9°37	11°51	12°29	2°55	11°24	W15
T 16	18 3 48	0♋52'02	9♏27	10°12	15°43	19°31	16°24	8° 5	9°19	17°46	9°38	11°46	12°26	3° 2	11°30	T 16
F 17	18 7 44	1°49'11	22° 8	11°33	16°35	20° 3	16°37	8° 3	9°17	17°45	9°39	11°38	12°22	3° 8	11°37	F 17
S 18	18 11 41	2°46'21	4♐39	12°59	17°27	20°35	16°50	8° 1	9°15	17°43	9°41	11°28	12°19	3°15	11°43	S 18
S 19	18 15 37	3°43'30	16°59	14°28	18°20	21° 7	17° 3	8° 0	9°14	17°42	9°42	11°16	12°16	3°22	11°50	S 19
M20	18 19 34	4°40'39	29°10	16° 1	19°14	21°39	17°17	7°58	9°12	17°40	9°43	11° 4	12°13	3°28	11°56	M20
T 21	18 23 30	5°37'49	11♑13	17°38	20° 8	22°12	17°30	7°57	9°10	17°39	9°45	10°53	12°10	3°35	12° 3	T 21
W22	18 27 27	6°34'59	23°10	19°18	21° 2	22°44	17°43	7°56	9° 8	17°37	9°46	10°43	12° 7	3°42	12° 9	W22
T 23	18 31 24	7°32'09	5♒ 1	21° 2	21°57	23°17	17°56	7°54	9° 6	17°36	9°47	10°36	12° 3	3°49	12°16	T 23
F 24	18 35 20	8°29'20	16°49	22°48	22°53	23°50	18° 9	7°53	9° 4	17°34	9°48	10°30	12° 0	3°55	12°22	F 24
S 25	18 39 17	9°26'31	28°37	24°39	23°49	24°24	18°23	7°52	9° 2	17°33	9°50	10°28	11°57	4° 2	12°29	S 25
S 26	18 43 13	10°23'43	10♓30	26°32	24°46	24°57	18°36	7°51	9° 0	17°31	9°51	10°D27	11°54	4° 9	12°35	S 26
M27	18 47 10	11°20'55	22°31	28°27	25°43	25°30	18°49	7°50	8°58	17°30	9°52	10°27	11°51	4°15	12°42	M27
T 28	18 51 6	12°18'08	4♈45	0♋25	26°40	26° 4	19° 2	7°50	8°56	17°28	9°53	10°28	11°48	4°22	12°49	T 28
W29	18 55 3	13°15'22	17°17	2°26	27°38	26°38	19°16	7°49	8°54	17°27	9°55	10°R28	11°44	4°29	12°55	W29
T 30	18 58 59	14♋12'36	0♉12	4♋28	28♉36	27♍12	19♋29	7♏49	8♒52	17♐25	9♊56	10♍27	11♍41	4♒35	13♋ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n52	1n30	2s12	15n45	4s12	10n20	2s49	7n53	0n49	23n13	0n19	12s 8	2n28	18s33	0s40	21s41	1n20	13n28	8s34	6n41	6n37	16s35	17n32	5s39
T 2	22 57	5 36	3 10	15 51	4 9	10 30	2 53	7 40	0 48	23 11	0 19	12 7	2 28	18 34	0 40	21 41	1 20	13 28	8 34	6 42	6 39	16 35	17 32	5 39
F 3	23 3	9 34	3 59	15 59	4 6	10 40	2 57	7 28	0 47	23 10	0 19	12 6	2 28	18 34	0 40	21 41	1 20	13 29	8 34	6 44	6 40	16 34	17 31	5 39
S 4	23 7	13 9	4 36	16 9	4 1	10 50	3 0	7 15	0 45	23 9	0 20	12 5	2 27	18 34	0 40	21 41	1 20	13 29	8 34	6 47	6 41	16 33	17 31	5 39
S 5	23 12	16 4	4 57	16 21	3 56	11 1	3 4	7 3	0 44	23 8	0 20	12 5	2 27	18 35	0 40	21 40	1 20	13 29	8 34	6 51	6 42	16 32	17 31	5 39
M 6	23 16	18 2	5 0	16 35	3 49	11 12	3 7	6 50	0 43	23 6	0 20	12 4	2 27	18 35	0 40	21 40	1 20	13 29	8 34	6 55	6 43	16 31	17 30	5 39
T 7	23 19	18 49	4 42	16 50	3 42	11 24	3 9	6 37	0 41	23 5	0 20	12 3	2 27	18 36	0 40	21 40	1 20	13 29	8 34	6 59	6 45	16 31	17 30	5 39
W 8	23 22	18 17	4 5	17 6	3 34	11 36	3 12	6 24	0 40	23 4	0 20	12 3	2 26	18 36	0 41	21 40	1 20	13 30	8 34	7 3	6 46	16 30	17 30	5 38
T 9	23 25	16 30	3 11	17 24	3 26	11 48	3 14	6 11	0 39	23 2	0 20	12 2	2 26	18 36	0 41	21 40	1 20	13 30	8 34	7 5	6 47	16 29	17 29	5 38
F 10	23 27	13 38	2 5	17 43	3 16	12 1	3 16	5 58	0 37	23 1	0 20	12 2	2 26	18 37	0 41	21 40	1 20	13 30	8 34	7 7	6 48	16 28	17 29	5 38
S 11	23 29	9 58	0 52	18 4	3 7	12 14	3 18	5 45	0 36	23 0	0 20	12 1	2 26	18 37	0 41	21 40	1 20	13 30	8 34	7 8	6 50	16 27	17 28	5 38
S 12	23 31	5 50	0n23	18 25	2 56	12 27	3 20	5 32	0 35	22 58	0 20	12 1	2 26	18 38	0 41	21 40	1 20	13 30	8 34	7 8	6 51	16 26	17 28	5 38
M13	23 32	1 28	1 34	18 47	2 45	12 40	3 21	5 18	0 34	22 57	0 20	12 0	2 25	18 38	0 41	21 39	1 20	13 31	8 34	7 8	6 52	16 26	17 27	5 38
T 14	23 32	2s52	2 39	19 9	2 34	12 54	3 22	5 5	0 32	22 55	0 20	12 0	2 25	18 39	0 41	21 39	1 20	13 31	8 34	7 8	6 53	16 25	17 27	5 38
W15	23 33	6 58	3 34	19 32	2 22	13 8	3 23	4 51	0 31	22 54	0 20	11 59	2 25	18 39	0 41	21 39	1 20	13 31	8 34	7 9	6 54	16 24	17 26	5 38
T 16	23 33	10 39	4 16	19 56	2 10	13 22	3 24	4 38	0 30	22 52	0 20	11 59	2 25	18 39	0 41	21 39	1 20	13 31	8 34	7 11	6 56	16 23	17 26	5 38
F 17	23 32	13 47	4 45	20 19	1 58	13 36	3 25	4 24	0 29	22 51	0 21	11 59	2 24	18 40	0 41	21 39	1 20	13 31	8 34	7 14	6 57	16 22	17 25	5 38
S 18	23 31	16 14	5 0	20 42	1 46	13 50	3 25	4 10	0 27	22 49	0 21	11 58	2 24	18 40	0 41	21 39	1 20	13 31	8 34	7 18	6 58	16 21	17 25	5 38
S 19	23 30	17 55	5 1	21 6	1 33	14 4	3 26	3 56	0 26	22 48	0 21	11 58	2 24	18 41	0 41	21 39	1 20	13 32	8 34	7 22	6 59	16 20	17 24	5 38
M20	23 28	18 45	4 48	21 28	1 20	14 18	3 26	3 43	0 25	22 46	0 21	11 58	2 24	18 41	0 41	21 39	1 20	13 32	8 34	7 27	7 1	16 20	17 24	5 38
T 21	23 26	18 43	4 22	21 51	1 8	14 33	3 26	3 29	0 24	22 44	0 21	11 58	2 23	18 42	0 41	21 38	1 20	13 32	8 34	7 31	7 2	16 19	17 23	5 38
W22	23 23	17 52	3 44	22 12	0 55	14 47	3 26	3 15	0 23	22 43	0 21	11 57	2 23	18 43	0 41	21 38	1 20	13 32	8 34	7 35	7 3	16 18	17 23	5 38
T 23	23 20	16 14	2 57	22 32	0 42	15 2	3 25	3 0	0 22	22 41	0 21	11 57	2 23	18 43	0 41	21 38	1 20	13 32	8 34	7 38	7 4	16 17	17 22	5 38
F 24	23 16	13 55	2 3	22 51	0 30	15 16	3 25	2 46	0 20	22 39	0 21	11 57	2 23	18 44	0 41	21 38	1 20	13 32	8 34	7 40	7 5	16 16	17 22	5 38
S 25	23 12	11 1	1 3	23 9	0 17	15 31	3 24	2 32	0 19	22 38	0 21	11 57	2 22	18 44	0 41	21 38	1 20	13 32	8 34	7 41	7 7	16 15	17 21	5 38
S 26	23 8	7 40	0s 0	23 25	0 5	15 45	3 24	2 18	0 18	22 36	0 21	11 57	2 22	18 45	0 41	21 38	1 20	13 32	8 34	7 41	7 8	16 14	17 20	5 38
M27	23 3	3 58	1 4	23 39	0n 6	15 59	3 23	2 3	0 17	22 34	0 21	11 57	2 22	18 45	0 41	21 38	1 20	13 33	8 35	7 41	7 9	16 14	17 20	5 38
T 28	22 58	0 2	2 7	23 50	0 18	16 13	3 22	1 49	0 16	22 32	0 21	11 57	2 22	18 46	0 41	21 38	1 20	13 33	8 35	7 40	7 10	16 13	17 19	5 38
W29	22 53	3n59	3 4	24 0	0 28	16 28	3 21	1 34	0 15	22 31	0 22	11 57	2 21	18 46	0 41	21 38	1 20	13 33	8 35	7 40	7 11	16 12	17 18	5 38
T 30	22n47	7n56	3s55	24n 7	0n39	16n42	3s19	1n20	0n14	22n29	0n22	11s57	2n21	18s47	0s41	21s37	1n20	13n33	8s35	7n41	7n13	16s11	17n18	5s38

Julian Day Number = 2144899.5, Delta T = 14m52s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'04, Lahiri = 12°09'04 Julian Calendar 1 June 1160 == Greg. Calendar 8 June 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

JULY 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 2 56	15♋ 9'51	13♉34	6♋32	29♉35	27♍46	19♋42	7°R48	8°R50	17°R24	9♊57	10°R24	11♍38	4♒42	13♋ 8	F 1
S 2	19 6 52	16° 7'08	27°26	8°37	0♊34	28°20	19°55	7♏48	8♒48	17♐23	9°58	10♍19	11°35	4°49	13°15	S 2
S 3	19 10 49	17° 4'25	11♊45	10°43	1°33	28°55	20° 9	7°47	8°46	17°21	9°59	10°12	11°32	4°55	13°21	S 3
M 4	19 14 46	18° 1'43	26°30	12°50	2°33	29°29	20°22	7°47	8°43	17°20	10° 0	10° 4	11°28	5° 2	13°28	M 4
T 5	19 18 42	18°59'02	11♋33	14°57	3°33	0♎ 4	20°35	7°D47	8°41	17°19	10° 2	9°56	11°25	5° 9	13°35	T 5
W 6	19 22 39	19°56'21	26°45	17° 5	4°33	0°39	20°49	7°47	8°39	17°17	10° 3	9°50	11°22	5°15	13°41	W 6
T 7	19 26 35	20°53'41	11♌56	19°12	5°34	1°14	21° 2	7°47	8°37	17°16	10° 4	9°45	11°19	5°22	13°48	T 7
F 8	19 30 32	21°51'02	26°55	21°18	6°35	1°49	21°15	7°48	8°35	17°15	10° 5	9°42	11°16	5°29	13°54	F 8
S 9	19 34 28	22°48'24	11♍36	23°24	7°37	2°25	21°29	7°48	8°32	17°13	10° 6	9°D42	11°13	5°35	14° 1	S 9
S 10	19 38 25	23°45'45	25°54	25°29	8°38	3° 0	21°42	7°48	8°30	17°12	10° 7	9°43	11° 9	5°42	14° 7	S 10
M11	19 42 22	24°43'08	9♎48	27°33	9°40	3°36	21°55	7°49	8°28	17°11	10° 8	9°44	11° 6	5°49	14°14	M11
T 12	19 46 18	25°40'31	23°17	29°36	10°42	4°11	22° 9	7°49	8°25	17°10	10° 9	9°R44	11° 3	5°55	14°20	T 12
W13	19 50 15	26°37'54	6♏24	1♌38	11°45	4°47	22°22	7°50	8°23	17° 9	10°10	9°44	11° 0	6° 2	14°27	W13
T 14	19 54 11	27°35'19	19°12	3°38	12°48	5°23	22°35	7°51	8°21	17° 8	10°11	9°42	10°57	6° 9	14°33	T 14
F 15	19 58 8	28°32'44	1♐44	5°37	13°51	5°59	22°48	7°52	8°18	17° 6	10°12	9°38	10°53	6°15	14°40	F 15
S 16	20 2 4	29°30'10	14° 3	7°34	14°54	6°35	23° 2	7°53	8°16	17° 5	10°13	9°32	10°50	6°22	14°46	S 16
S 17	20 6 1	0♌27'36	26°12	9°30	15°57	7°12	23°15	7°54	8°14	17° 4	10°14	9°26	10°47	6°29	14°53	S 17
M18	20 9 57	1°25'04	8♑13	11°25	17° 1	7°48	23°28	7°55	8°11	17° 3	10°15	9°19	10°44	6°35	14°59	M18
T 19	20 13 54	2°22'33	20° 8	13°18	18° 5	8°25	23°41	7°56	8° 9	17° 2	10°16	9°12	10°41	6°42	15° 6	T 19
W20	20 17 51	3°20'02	1♒59	15° 9	19° 9	9° 1	23°55	7°58	8° 7	17° 1	10°17	9° 7	10°38	6°49	15°12	W20
T 21	20 21 47	4°17'33	13°48	16°59	20°14	9°38	24° 8	7°59	8° 4	17° 0	10°18	9° 2	10°34	6°55	15°19	T 21
F 22	20 25 44	5°15'05	25°37	18°47	21°18	10°15	24°21	8° 1	8° 2	16°59	10°19	9° 0	10°31	7° 2	15°25	F 22
S 23	20 29 40	6°12'38	7♓29	20°34	22°23	10°52	24°34	8° 2	7°59	16°58	10°20	8°D59	10°28	7° 9	15°31	S 23
S 24	20 33 37	7°10'13	19°25	22°19	23°28	11°29	24°47	8° 4	7°57	16°57	10°21	8°59	10°25	7°15	15°38	S 24
M25	20 37 33	8° 7'49	1♈30	24° 3	24°34	12° 7	25° 0	8° 6	7°55	16°57	10°21	9° 1	10°22	7°22	15°44	M25
T 26	20 41 30	9° 5'26	13°47	25°45	25°39	12°44	25°13	8° 8	7°52	16°56	10°22	9° 2	10°19	7°29	15°50	T 26
W27	20 45 26	10° 3'05	26°21	27°26	26°45	13°22	25°27	8°10	7°50	16°55	10°23	9° 4	10°15	7°35	15°56	W27
T 28	20 49 23	11° 0'46	9♉14	29° 5	27°51	13°59	25°40	8°12	7°47	16°54	10°24	9°R 5	10°12	7°42	16° 3	T 28
F 29	20 53 19	11°58'28	22°32	0♍43	28°57	14°37	25°53	8°14	7°45	16°53	10°25	9° 4	10° 9	7°49	16° 9	F 29
S 30	20 57 16	12°56'12	6♊15	2°20	0♋ 3	15°15	26° 6	8°17	7°43	16°53	10°25	9° 3	10° 6	7°55	16°15	S 30
S 31	21 1 13	13♌53'58	20♊26	3♍55	1♋10	15♎53	26♋19	8♏19	7♒40	16♐52	10♊26	9♍ 0	10♍ 3	8♒ 2	16♋21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n41	11n37	4s34	24n11	0n48	16n56	3s18	1n 5	0n13	22n27	0n22	11s57	2n21	18s48	0s41	21s37	1n20	13n33	8s35	7n42	7n14	16s10	17n17	5s38
S 2	22 34	14 49	4 59	24 13	0 57	17 9	3 17	0 51	0 12	22 25	0 22	11 57	2 21	18 48	0 41	21 37	1 20	13 33	8 35	7 44	7 15	16 9	17 16	5 38
S 3	22 27	17 14	5 7	24 12	1 6	17 23	3 15	0 36	0 11	22 23	0 22	11 57	2 20	18 49	0 41	21 37	1 20	13 33	8 35	7 47	7 16	16 8	17 16	5 38
M 4	22 20	18 36	4 54	24 8	1 13	17 36	3 13	0 21	0 10	22 21	0 22	11 58	2 20	18 49	0 41	21 37	1 20	13 33	8 35	7 50	7 18	16 7	17 15	5 38
T 5	22 12	18 42	4 22	24 2	1 20	17 49	3 11	0 6	0 9	22 19	0 22	11 58	2 20	18 50	0 41	21 37	1 20	13 33	8 35	7 53	7 19	16 6	17 14	5 38
W 6	22 3	17 27	3 30	23 52	1 26	18 2	3 9	0s 9	0 8	22 17	0 22	11 58	2 20	18 50	0 41	21 37	1 20	13 33	8 35	7 55	7 20	16 5	17 13	5 39
T 7	21 55	14 59	2 24	23 40	1 31	18 15	3 7	0 24	0 7	22 16	0 22	11 58	2 19	18 51	0 41	21 37	1 20	13 34	8 35	7 57	7 21	16 5	17 13	5 39
F 8	21 46	11 31	1 9	23 26	1 36	18 28	3 5	0 39	0 5	22 14	0 22	11 59	2 19	18 52	0 41	21 37	1 20	13 34	8 35	7 58	7 22	16 4	17 12	5 39
S 9	21 36	7 24	0n10	23 9	1 40	18 40	3 3	0 54	0 4	22 12	0 22	11 59	2 19	18 52	0 41	21 37	1 20	13 34	8 35	7 58	7 24	16 3	17 11	5 39
S 10	21 27	2 57	1 27	22 49	1 43	18 52	3 1	1 9	0 3	22 10	0 23	11 59	2 18	18 53	0 41	21 37	1 19	13 34	8 35	7 58	7 25	16 2	17 10	5 39
M11	21 17	1s31	2 36	22 27	1 45	19 4	2 58	1 24	0 2	22 7	0 23	12 0	2 18	18 54	0 41	21 36	1 19	13 34	8 36	7 57	7 26	16 1	17 10	5 39
T 12	21 6	5 46	3 34	22 4	1 46	19 15	2 56	1 39	0 2	22 5	0 23	12 0	2 18	18 54	0 41	21 36	1 19	13 34	8 36	7 57	7 27	16 0	17 9	5 39
W13	20 55	9 38	4 19	21 38	1 47	19 26	2 53	1 54	0 1	22 3	0 23	12 1	2 18	18 55	0 41	21 36	1 19	13 34	8 36	7 57	7 28	15 59	17 8	5 39
T 14	20 44	12 56	4 50	21 10	1 47	19 37	2 50	2 9	0s 0	22 1	0 23	12 1	2 17	18 55	0 41	21 36	1 19	13 34	8 36	7 58	7 30	15 58	17 7	5 40
F 15	20 33	15 35	5 7	20 41	1 47	19 47	2 48	2 25	0 1	21 59	0 23	12 2	2 17	18 56	0 41	21 36	1 19	13 34	8 36	8 0	7 31	15 57	17 6	5 40
S 16	20 21	17 28	5 9	20 10	1 46	19 57	2 45	2 40	0 2	21 57	0 23	12 2	2 17	18 57	0 41	21 36	1 19	13 34	8 36	8 2	7 32	15 56	17 5	5 40
S 17	20 9	18 33	4 57	19 37	1 44	20 7	2 42	2 55	0 3	21 55	0 23	12 3	2 17	18 57	0 41	21 36	1 19	13 34	8 36	8 4	7 33	15 55	17 5	5 40
M18	19 56	18 46	4 32	19 4	1 42	20 16	2 39	3 10	0 4	21 53	0 23	12 4	2 16	18 58	0 41	21 36	1 19	13 34	8 36	8 7	7 34	15 54	17 4	5 40
T 19	19 43	18 9	3 55	18 29	1 39	20 25	2 36	3 26	0 5	21 51	0 23	12 4	2 16	18 59	0 41	21 36	1 19	13 34	8 36	8 9	7 36	15 53	17 3	5 40
W20	19 30	16 45	3 8	17 53	1 36	20 34	2 33	3 41	0 6	21 48	0 23	12 5	2 16	18 59	0 41	21 36	1 19	13 34	8 36	8 11	7 37	15 53	17 2	5 41
T 21	19 16	14 38	2 13	17 17	1 32	20 42	2 30	3 57	0 7	21 46	0 24	12 6	2 16	19 0	0 41	21 36	1 19	13 34	8 37	8 13	7 38	15 52	17 1	5 41
F 22	19 2	11 54	1 12	16 39	1 28	20 49	2 26	4 12	0 8	21 44	0 24	12 6	2 15	19 0	0 41	21 36	1 19	13 34	8 37	8 14	7 39	15 51	17 0	5 41
S 23	18 48	8 40	0 8	16 1	1 23	20 57	2 23	4 27	0 9	21 42	0 24	12 7	2 15	19 1	0 41	21 36	1 19	13 34	8 37	8 14	7 41	15 50	16 59	5 41
S 24	18 34	5 5	0s57	15 22	1 18	21 3	2 20	4 43	0 10	21 39	0 24	12 8	2 15	19 2	0 41	21 36	1 19	13 34	8 37	8 14	7 42	15 49	16 58	5 42
M25	18 19	1 14	2 0	14 42	1 13	21 10	2 17	4 58	0 11	21 37	0 24	12 9	2 14	19 2	0 41	21 36	1 19	13 34	8 37	8 14	7 43	15 48	16 57	5 42
T 26	18 4	2n42	3 0	14 2	1 7	21 15	2 13	5 14	0 12	21 35	0 24	12 10	2 14	19 3	0 41	21 36	1 19	13 34	8 37	8 13	7 44	15 47	16 56	5 42
W27	17 48	6 37	3 51	13 22	1 1	21 21	2 10	5 29	0 12	21 33	0 24	12 11	2 14	19 4	0 41	21 36	1 19	13 34	8 37	8 12	7 45	15 46	16 55	5 42
T 28	17 33	10 19	4 33	12 41	0 54	21 26	2 6	5 45	0 13	21 30	0 24	12 12	2 14	19 4	0 41	21 36	1 19	13 34	8 37	8 12	7 47	15 45	16 54	5 42
F 29	17 17	13 37	5 2	12 1	0 48	21 30	2 3	6 0	0 14	21 28	0 24	12 13	2 13	19 5	0 41	21 35	1 19	13 34	8 37	8 12	7 48	15 44	16 54	5 43
S 30	17 0	16 17	5 14	11 19	0 41	21 34	1 59	6 16	0 15	21 26	0 25	12 14	2 13	19 5	0 41	21 35	1 19	13 34	8 38	8 13	7 49	15 43	16 53	5 43
S 31	16n44	18n 4	5s 8	10n38	0n34	21n37	1s55	6s31	0s16	21n23	0n25	12s15	2n13	19s 6	0s41	21s35	1n19	13n34	8s38	8n14	7n50	15s42	16n52	5s43

Julian Day Number = 2144929.5, Delta T = 14m52s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'08, Lahiri = 12°09'08 Julian Calendar 1 July 1160 == Greg. Calendar 8 July 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

AUGUST 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 5 9	14♌51'45	5♋ 1	5♍28	2♋17	16♎31	26♋32	8♏22	7°R38	16°R51	10♊27	8°R57	9♍59	8♒ 9	16♋27	M 1
T 2	21 9 6	15°49'34	19°58	7° 0	3°24	17° 9	26°45	8°24	7♒35	16♐51	10°27	8♍54	9°56	8°15	16°33	T 2
W 3	21 13 2	16°47'25	5♌ 6	8°31	4°31	17°48	26°57	8°27	7°33	16°50	10°28	8°51	9°53	8°22	16°39	W 3
T 4	21 16 59	17°45'17	20°19	10° 0	5°38	18°26	27°10	8°30	7°31	16°49	10°29	8°49	9°50	8°29	16°46	T 4
F 5	21 20 55	18°43'11	5♍25	11°28	6°45	19° 5	27°23	8°32	7°28	16°49	10°29	8°D49	9°47	8°35	16°52	F 5
S 6	21 24 52	19°41'06	20°16	12°54	7°53	19°43	27°36	8°35	7°26	16°48	10°30	8°49	9°44	8°42	16°57	S 6
S 7	21 28 48	20°39'03	4♎45	14°19	9° 0	20°22	27°49	8°38	7°24	16°48	10°31	8°50	9°40	8°49	17° 3	S 7
M 8	21 32 45	21°37'01	18°48	15°43	10° 8	21° 1	28° 1	8°41	7°21	16°47	10°31	8°51	9°37	8°55	17° 9	M 8
T 9	21 36 42	22°35'00	2♏26	17° 4	11°16	21°40	28°14	8°45	7°19	16°47	10°32	8°52	9°34	9° 2	17°15	T 9
W10	21 40 38	23°33'00	15°37	18°24	12°24	22°19	28°27	8°48	7°17	16°46	10°32	8°53	9°31	9° 9	17°21	W10
T 11	21 44 35	24°31'02	28°26	19°43	13°33	22°58	28°39	8°51	7°15	16°46	10°33	8°R53	9°28	9°15	17°27	T 11
F 12	21 48 31	25°29'06	10♐56	21° 0	14°41	23°38	28°52	8°55	7°12	16°46	10°33	8°53	9°25	9°22	17°32	F 12
S 13	21 52 28	26°27'11	23°10	22°15	15°50	24°17	29° 4	8°58	7°10	16°45	10°34	8°51	9°21	9°29	17°38	S 13
S 14	21 56 24	27°25'17	5♑13	23°28	16°58	24°57	29°17	9° 2	7° 8	16°45	10°34	8°50	9°18	9°35	17°44	S 14
M15	22 0 21	28°23'25	17° 8	24°40	18° 7	25°36	29°29	9° 6	7° 6	16°45	10°35	8°48	9°15	9°42	17°49	M15
T 16	22 4 17	29°21'35	28°59	25°49	19°16	26°16	29°42	9° 9	7° 4	16°45	10°35	8°47	9°12	9°49	17°55	T 16
W17	22 8 14	0♍19'46	10♒48	26°56	20°25	26°56	29°54	9°13	7° 1	16°44	10°35	8°46	9° 9	9°55	18° 0	W17
T 18	22 12 11	1°17'58	22°38	28° 2	21°35	27°36	0♌ 6	9°17	6°59	16°44	10°36	8°45	9° 5	10° 2	18° 6	T 18
F 19	22 16 7	2°16'13	4♓31	29° 5	22°44	28°16	0°18	9°21	6°57	16°44	10°36	8°D45	9° 2	10° 9	18°11	F 19
S 20	22 20 4	3°14'29	16°30	0♎ 5	23°53	28°56	0°30	9°25	6°55	16°44	10°36	8°45	8°59	10°15	18°17	S 20
S 21	22 24 0	4°12'47	28°36	1° 3	25° 3	29°36	0°43	9°29	6°53	16°44	10°37	8°45	8°56	10°22	18°22	S 21
M22	22 27 57	5°11'08	10♈52	1°58	26°13	0♏16	0°55	9°34	6°51	16°D44	10°37	8°46	8°53	10°29	18°27	M22
T 23	22 31 53	6° 9'30	23°19	2°51	27°23	0°57	1° 7	9°38	6°49	16°44	10°37	8°46	8°50	10°35	18°32	T 23
W24	22 35 50	7° 7'54	6♉ 1	3°40	28°33	1°37	1°19	9°42	6°47	16°44	10°38	8°46	8°46	10°42	18°38	W24
T 25	22 39 46	8° 6'20	18°59	4°26	29°43	2°18	1°30	9°47	6°45	16°44	10°38	8°46	8°43	10°49	18°43	T 25
F 26	22 43 43	9° 4'49	2♊16	5° 8	0♌53	2°58	1°42	9°51	6°43	16°44	10°38	8°46	8°40	10°55	18°48	F 26
S 27	22 47 40	10° 3'20	15°53	5°47	2° 4	3°39	1°54	9°56	6°41	16°44	10°38	8°46	8°37	11° 2	18°53	S 27
S 28	22 51 36	11° 1'53	29°52	6°21	3°14	4°20	2° 6	10° 0	6°40	16°45	10°38	8°46	8°34	11° 9	18°58	S 28
M29	22 55 33	12° 0'29	14♋12	6°51	4°25	5° 1	2°17	10° 5	6°38	16°45	10°38	8°47	8°31	11°15	19° 3	M29
T 30	22 59 29	12°59'07	28°50	7°16	5°36	5°42	2°29	10°10	6°36	16°45	10°39	8°47	8°27	11°22	19° 7	T 30
W31	23 3 26	13♍57'46	13♌41	7♎35	6♌47	6♏23	2♌40	10♏15	6♒34	16♐45	10♊39	8♍47	8♍24	11♒29	19♋12	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n27	18n44	4s43	9n57	0n26	21n40	1s52	6s47	0s17	21n21	0n25	12s16	2n13	19s 7	0s41	21s35	1n19	13n34	8s38	8n15	7n51	15s41	16n51	5s44
T 2	16 10	18 8	3 58	9 16	0 18	21 42	1 48	7 2	0 18	21 18	0 25	12 17	2 12	19 7	0 41	21 35	1 19	13 34	8 38	8 16	7 53	15 40	16 50	5 44
W 3	15 52	16 14	2 55	8 34	0 11	21 44	1 44	7 18	0 18	21 16	0 25	12 18	2 12	19 8	0 41	21 35	1 18	13 34	8 38	8 17	7 54	15 39	16 49	5 44
T 4	15 35	13 12	1 40	7 53	0 2	21 45	1 41	7 33	0 19	21 14	0 25	12 19	2 12	19 8	0 41	21 35	1 18	13 34	8 38	8 18	7 55	15 38	16 48	5 44
F 5	15 17	9 17	0 19	7 12	0s 6	21 46	1 37	7 49	0 20	21 11	0 25	12 20	2 12	19 9	0 41	21 35	1 18	13 34	8 38	8 18	7 56	15 37	16 47	5 45
S 6	14 59	4 50	1n 3	6 32	0 14	21 46	1 33	8 4	0 21	21 9	0 25	12 21	2 11	19 10	0 41	21 35	1 18	13 34	8 38	8 18	7 57	15 36	16 45	5 45
S 7	14 40	0 14	2 19	5 51	0 23	21 45	1 29	8 20	0 22	21 6	0 25	12 22	2 11	19 10	0 41	21 35	1 18	13 34	8 39	8 18	7 59	15 35	16 44	5 45
M 8	14 22	4s16	3 24	5 11	0 31	21 44	1 25	8 35	0 22	21 4	0 26	12 24	2 11	19 11	0 41	21 35	1 18	13 34	8 39	8 17	8 0	15 34	16 43	5 46
T 9	14 3	8 23	4 15	4 31	0 40	21 43	1 22	8 50	0 23	21 2	0 26	12 25	2 11	19 11	0 41	21 35	1 18	13 34	8 39	8 17	8 1	15 33	16 42	5 46
W10	13 44	11 57	4 51	3 51	0 49	21 40	1 18	9 6	0 24	20 59	0 26	12 26	2 10	19 12	0 41	21 35	1 18	13 34	8 39	8 16	8 2	15 32	16 41	5 46
T 11	13 24	14 50	5 12	3 12	0 58	21 38	1 14	9 21	0 25	20 57	0 26	12 27	2 10	19 13	0 41	21 35	1 18	13 34	8 39	8 16	8 3	15 31	16 40	5 47
F 12	13 5	16 58	5 17	2 34	1 7	21 34	1 10	9 37	0 26	20 54	0 26	12 29	2 10	19 13	0 41	21 35	1 18	13 34	8 39	8 17	8 5	15 30	16 39	5 47
S 13	12 45	18 16	5 7	1 56	1 16	21 30	1 6	9 52	0 26	20 52	0 26	12 30	2 10	19 14	0 41	21 35	1 18	13 33	8 39	8 17	8 6	15 29	16 38	5 47
S 14	12 25	18 43	4 44	1 18	1 25	21 26	1 3	10 7	0 27	20 49	0 26	12 31	2 10	19 14	0 41	21 35	1 18	13 33	8 40	8 18	8 7	15 28	16 37	5 48
M15	12 5	18 20	4 9	0 42	1 34	21 21	0 59	10 22	0 28	20 47	0 26	12 33	2 9	19 15	0 41	21 35	1 18	13 33	8 40	8 18	8 8	15 27	16 36	5 48
T 16	11 45	17 8	3 23	0 6	1 43	21 15	0 55	10 38	0 29	20 44	0 27	12 34	2 9	19 15	0 41	21 35	1 18	13 33	8 40	8 19	8 9	15 26	16 35	5 49
W17	11 24	15 13	2 29	0s29	1 52	21 9	0 51	10 53	0 29	20 42	0 27	12 36	2 9	19 16	0 41	21 36	1 18	13 33	8 40	8 19	8 11	15 25	16 34	5 49
T 18	11 4	12 38	1 28	1 4	2 1	21 2	0 47	11 8	0 30	20 39	0 27	12 37	2 9	19 16	0 41	21 36	1 18	13 33	8 40	8 19	8 12	15 24	16 33	5 49
F 19	10 43	9 32	0 23	1 37	2 10	20 54	0 43	11 23	0 31	20 37	0 27	12 39	2 8	19 17	0 41	21 36	1 18	13 33	8 40	8 20	8 13	15 23	16 32	5 50
S 20	10 22	6 1	0s43	2 9	2 19	20 46	0 40	11 38	0 32	20 34	0 27	12 40	2 8	19 17	0 41	21 36	1 18	13 33	8 40	8 20	8 14	15 22	16 30	5 50
S 21	10 0	2 13	1 48	2 40	2 27	20 38	0 36	11 53	0 32	20 32	0 27	12 42	2 8	19 18	0 41	21 36	1 18	13 33	8 41	8 19	8 15	15 21	16 29	5 51
M22	9 39	1n43	2 49	3 10	2 36	20 29	0 32	12 8	0 33	20 29	0 27	12 43	2 8	19 18	0 41	21 36	1 18	13 33	8 41	8 19	8 17	15 20	16 28	5 51
T 23	9 18	5 38	3 43	3 39	2 44	20 19	0 28	12 23	0 34	20 27	0 27	12 45	2 8	19 19	0 41	21 36	1 17	13 33	8 41	8 19	8 18	15 19	16 27	5 51
W24	8 56	9 23	4 28	4 6	2 52	20 8	0 25	12 38	0 34	20 24	0 28	12 46	2 7	19 19	0 41	21 36	1 17	13 32	8 41	8 19	8 19	15 18	16 26	5 52
T 25	8 34	12 45	4 59	4 31	3 0	19 57	0 21	12 52	0 35	20 22	0 28	12 48	2 7	19 20	0 41	21 36	1 17	13 32	8 41	8 19	8 20	15 17	16 25	5 52
F 26	8 12	15 33	5 16	4 55	3 8	19 46	0 17	13 7	0 36	20 19	0 28	12 50	2 7	19 20	0 41	21 36	1 17	13 32	8 41	8 19	8 21	15 16	16 24	5 53
S 27	7 50	17 34	5 15	5 17	3 15	19 34	0 14	13 22	0 36	20 17	0 28	12 51	2 7	19 21	0 41	21 36	1 17	13 32	8 41	8 19	8 23	15 15	16 23	5 53
S 28	7 28	18 36	4 57	5 37	3 22	19 21	0 10	13 36	0 37	20 14	0 28	12 53	2 6	19 21	0 41	21 36	1 17	13 32	8 42	8 19	8 24	15 13	16 22	5 54
M29	7 5	18 29	4 19	5 55	3 28	19 8	0 7	13 51	0 38	20 12	0 28	12 55	2 6	19 22	0 41	21 36	1 17	13 32	8 42	8 19	8 25	15 12	16 20	5 54
T 30	6 43	17 9	3 24	6 10	3 34	18 54	0 3	14 5	0 38	20 9	0 28	12 56	2 6	19 22	0 41	21 36	1 17	13 32	8 42	8 19	8 26	15 11	16 19	5 55
W31	6n20	14n38	2s15	6s23	3s39	18n40	0n 0	14s19	0s39	20n 7	0n29	12s58	2n 6	19s23	0s41	21s36	1n17	13n32	8s42	8n19	8n27	15s10	16n18	5s55

Julian Day Number = 2144960.5, Delta T = 14m51s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'12, Lahiri = 12°09'12 Julian Calendar 1 Aug. 1160 == Greg. Calendar 8 Aug. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

SEPTEMBER 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 22	14♍56'28	28♌39	7♎50	7♌58	7♏ 4	2♌52	10♏20	6°R32	16♐46	10♊39	8♍48	8♍21	11♒35	19♋17	T 1
F 2	23 11 19	15°55'12	13♍37	7°58	9° 9	7°46	3° 3	10°25	6♒31	16°46	10°39	8°R48	8°18	11°42	19°22	F 2
S 3	23 15 15	16°53'59	28°24	8°R 0	10°20	8°27	3°14	10°30	6°29	16°46	10°R39	8°47	8°15	11°49	19°26	S 3
S 4	23 19 12	17°52'46	12♎56	7°56	11°31	9° 9	3°26	10°35	6°27	16°47	10°39	8°47	8°11	11°55	19°31	S 4
M 5	23 23 8	18°51'36	27° 5	7°44	12°42	9°50	3°37	10°40	6°26	16°47	10°39	8°45	8° 8	12° 2	19°35	M 5
T 6	23 27 5	19°50'28	10♏49	7°25	13°54	10°32	3°48	10°46	6°24	16°48	10°39	8°44	8° 5	12° 9	19°40	T 6
W 7	23 31 2	20°49'22	24° 7	6°59	15° 5	11°14	3°59	10°51	6°23	16°48	10°39	8°43	8° 2	12°15	19°44	W 7
T 8	23 34 58	21°48'17	7♐ 0	6°26	16°17	11°56	4° 9	10°56	6°21	16°49	10°39	8°42	7°59	12°22	19°48	T 8
F 9	23 38 55	22°47'14	19°32	5°45	17°29	12°38	4°20	11° 2	6°20	16°49	10°38	8°D41	7°56	12°29	19°52	F 9
S 10	23 42 51	23°46'13	1♑47	4°57	18°41	13°20	4°31	11° 7	6°19	16°50	10°38	8°41	7°52	12°35	19°56	S 10
S 11	23 46 48	24°45'14	13°48	4° 3	19°53	14° 2	4°42	11°13	6°17	16°50	10°38	8°42	7°49	12°42	20° 0	S 11
M12	23 50 44	25°44'17	25°40	3° 2	21° 5	14°44	4°52	11°18	6°16	16°51	10°38	8°44	7°46	12°49	20° 4	M12
T 13	23 54 41	26°43'21	7♒29	1°58	22°17	15°26	5° 2	11°24	6°15	16°52	10°38	8°45	7°43	12°55	20° 8	T 13
W14	23 58 37	27°42'27	19°19	0°50	23°29	16° 9	5°13	11°30	6°13	16°53	10°38	8°46	7°40	13° 2	20°12	W14
T 15	0 2 34	28°41'36	1♓12	29♍40	24°41	16°51	5°23	11°36	6°12	16°53	10°37	8°47	7°36	13° 8	20°16	T 15
F 16	0 6 31	29°40'46	13°12	28°31	25°54	17°34	5°33	11°41	6°11	16°54	10°37	8°R48	7°33	13°15	20°20	F 16
S 17	0 10 27	0♎39'58	25°21	27°24	27° 6	18°16	5°43	11°47	6°10	16°55	10°37	8°47	7°30	13°22	20°23	S 17
S 18	0 14 24	1°39'12	7♈42	26°20	28°19	18°59	5°53	11°53	6° 9	16°56	10°36	8°45	7°27	13°28	20°27	S 18
M19	0 18 20	2°38'28	20°15	25°23	29°31	19°42	6° 3	11°59	6° 8	16°57	10°36	8°41	7°24	13°35	20°30	M19
T 20	0 22 17	3°37'46	3♉ 1	24°32	0♍44	20°25	6°13	12° 5	6° 7	16°58	10°36	8°38	7°21	13°42	20°33	T 20
W21	0 26 13	4°37'07	16° 0	23°51	1°57	21° 8	6°22	12°11	6° 6	16°59	10°35	8°33	7°17	13°48	20°37	W21
T 22	0 30 10	5°36'30	29°12	23°19	3°10	21°51	6°32	12°17	6° 5	16°59	10°35	8°30	7°14	13°55	20°40	T 22
F 23	0 34 6	6°35'55	12♊38	22°58	4°23	22°34	6°41	12°24	6° 4	17° 0	10°35	8°27	7°11	14° 2	20°43	F 23
S 24	0 38 3	7°35'23	26°18	22°D48	5°36	23°17	6°51	12°30	6° 4	17° 2	10°34	8°25	7° 8	14° 8	20°46	S 24
S 25	0 42 0	8°34'53	10♋11	22°48	6°49	24° 0	7° 0	12°36	6° 3	17° 3	10°34	8°D24	7° 5	14°15	20°49	S 25
M26	0 45 56	9°34'26	24°17	23° 0	8° 2	24°43	7° 9	12°42	6° 2	17° 4	10°33	8°25	7° 2	14°22	20°52	M26
T 27	0 49 53	10°34'00	8♌35	23°22	9°15	25°27	7°18	12°49	6° 2	17° 5	10°33	8°26	6°58	14°28	20°55	T 27
W28	0 53 49	11°33'37	23° 3	23°54	10°29	26°10	7°27	12°55	6° 1	17° 6	10°32	8°28	6°55	14°35	20°58	W28
T 29	0 57 46	12°33'17	7♍37	24°35	11°42	26°54	7°36	13° 2	6° 1	17° 7	10°32	8°R28	6°52	14°42	21° 0	T 29
F 30	1 1 42	13♎32'58	22♍11	25♍24	12♍56	27♏38	7♌44	13♏ 8	6♒ 0	17♐ 8	10♊31	8♍28	6♍49	14♒48	21♋ 3	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n57	11n 7	0s56	6s32	3s44	18n25	0n 4	14s34	0s40	20n 4	0n29	13s 0	2n 6	19s23	0s41	21s36	1n17	13n31	8s42	8n19	8n29	15s 9	16n17	5s56
F 2	5 35	6 53	0n27	6 39	3 47	18 10	0 7	14 48	0 40	20 2	0 29	13 1	2 5	19 23	0 41	21 36	1 17	13 31	8 42	8 18	8 30	15 8	16 16	5 56
S 3	5 12	2 16	1 47	6 42	3 50	17 54	0 11	15 2	0 41	19 59	0 29	13 3	2 5	19 24	0 41	21 37	1 17	13 31	8 43	8 19	8 31	15 7	16 15	5 57
S 4	4 49	2s23	2 58	6 42	3 52	17 38	0 14	15 16	0 42	19 57	0 29	13 5	2 5	19 24	0 41	21 37	1 17	13 31	8 43	8 19	8 32	15 6	16 14	5 57
M 5	4 26	6 47	3 57	6 38	3 52	17 21	0 17	15 30	0 42	19 54	0 29	13 7	2 5	19 25	0 41	21 37	1 17	13 31	8 43	8 19	8 33	15 5	16 13	5 58
T 6	4 2	10 42	4 40	6 30	3 51	17 3	0 21	15 44	0 43	19 52	0 29	13 9	2 5	19 25	0 41	21 37	1 17	13 31	8 43	8 20	8 34	15 4	16 11	5 58
W 7	3 39	13 56	5 7	6 17	3 49	16 46	0 24	15 57	0 43	19 49	0 30	13 10	2 4	19 25	0 41	21 37	1 17	13 31	8 43	8 20	8 36	15 3	16 10	5 59
T 8	3 16	16 22	5 17	6 0	3 45	16 27	0 27	16 11	0 44	19 47	0 30	13 12	2 4	19 26	0 41	21 37	1 17	13 30	8 43	8 21	8 37	15 2	16 9	5 59
F 9	2 53	17 57	5 11	5 39	3 39	16 8	0 30	16 24	0 45	19 45	0 30	13 14	2 4	19 26	0 41	21 37	1 17	13 30	8 43	8 21	8 38	15 1	16 8	6 0
S 10	2 29	18 40	4 52	5 13	3 32	15 49	0 33	16 38	0 45	19 42	0 30	13 16	2 4	19 26	0 41	21 37	1 17	13 30	8 44	8 21	8 39	14 59	16 7	6 0
S 11	2 6	18 31	4 20	4 42	3 22	15 29	0 36	16 51	0 46	19 40	0 30	13 18	2 4	19 27	0 41	21 37	1 16	13 30	8 44	8 21	8 40	14 58	16 6	6 1
M12	1 42	17 33	3 37	4 8	3 11	15 9	0 39	17 4	0 46	19 37	0 30	13 20	2 4	19 27	0 41	21 38	1 16	13 30	8 44	8 20	8 42	14 57	16 5	6 1
T 13	1 19	15 50	2 45	3 30	2 58	14 48	0 42	17 17	0 47	19 35	0 30	13 22	2 3	19 27	0 41	21 38	1 16	13 30	8 44	8 19	8 43	14 56	16 4	6 2
W14	0 55	13 25	1 46	2 49	2 43	14 27	0 45	17 30	0 48	19 33	0 31	13 24	2 3	19 28	0 41	21 38	1 16	13 29	8 44	8 19	8 44	14 55	16 3	6 2
T 15	0 31	10 27	0 42	2 6	2 26	14 6	0 47	17 43	0 48	19 30	0 31	13 26	2 3	19 28	0 41	21 38	1 16	13 29	8 44	8 19	8 45	14 54	16 2	6 3
F 16	0 8	7 0	0s24	1 21	2 8	13 44	0 50	17 55	0 49	19 28	0 31	13 28	2 3	19 28	0 41	21 38	1 16	13 29	8 44	8 19	8 46	14 53	16 0	6 3
S 17	0s16	3 14	1 30	0 37	1 48	13 21	0 53	18 8	0 49	19 26	0 31	13 29	2 3	19 28	0 41	21 38	1 16	13 29	8 45	8 19	8 48	14 52	15 59	6 4
S 18	0 40	0n44	2 33	0n 7	1 28	12 58	0 55	18 20	0 50	19 23	0 31	13 31	2 3	19 29	0 41	21 38	1 16	13 29	8 45	8 20	8 49	14 51	15 58	6 5
M19	1 3	4 43	3 29	0 48	1 8	12 35	0 58	18 33	0 50	19 21	0 31	13 33	2 2	19 29	0 41	21 38	1 16	13 28	8 45	8 21	8 50	14 50	15 57	6 5
T 20	1 27	8 34	4 15	1 27	0 47	12 12	1 0	18 45	0 51	19 19	0 32	13 35	2 2	19 29	0 41	21 39	1 16	13 28	8 45	8 22	8 51	14 48	15 56	6 6
W21	1 51	12 4	4 50	2 2	0 27	11 48	1 2	18 57	0 51	19 17	0 32	13 37	2 2	19 29	0 41	21 39	1 16	13 28	8 45	8 24	8 52	14 47	15 55	6 6
T 22	2 14	15 2	5 10	2 33	0 8	11 24	1 5	19 9	0 52	19 14	0 32	13 39	2 2	19 29	0 41	21 39	1 16	13 28	8 45	8 25	8 54	14 46	15 54	6 7
F 23	2 38	17 15	5 13	2 58	0n11	10 59	1 7	19 20	0 52	19 12	0 32	13 41	2 2	19 30	0 41	21 39	1 16	13 28	8 45	8 26	8 55	14 45	15 53	6 8
S 24	3 1	18 31	4 59	3 18	0 28	10 34	1 9	19 32	0 53	19 10	0 32	13 43	2 2	19 30	0 41	21 39	1 16	13 28	8 45	8 27	8 56	14 44	15 52	6 8
S 25	3 25	18 43	4 27	3 32	0 44	10 9	1 11	19 43	0 53	19 8	0 32	13 45	2 2	19 30	0 41	21 39	1 16	13 27	8 46	8 27	8 57	14 43	15 51	6 9
M26	3 49	17 46	3 39	3 41	0 59	9 43	1 13	19 54	0 54	19 6	0 33	13 48	2 1	19 30	0 41	21 39	1 16	13 27	8 46	8 27	8 58	14 42	15 50	6 9
T 27	4 12	15 41	2 36	3 44	1 12	9 18	1 15	20 5	0 54	19 3	0 33	13 50	2 1	19 30	0 40	21 40	1 16	13 27	8 46	8 27	8 59	14 40	15 49	6 10
W28	4 36	12 35	1 23	3 42	1 23	8 51	1 17	20 16	0 55	19 1	0 33	13 52	2 1	19 30	0 40	21 40	1 16	13 27	8 46	8 26	9 1	14 39	15 48	6 11
T 29	4 59	8 41	0 5	3 35	1 33	8 25	1 19	20 27	0 55	18 59	0 33	13 54	2 1	19 30	0 40	21 40	1 16	13 27	8 46	8 26	9 2	14 38	15 47	6 11
F 30	5s22	4n15	1n14	3n23	1n41	7n58	1n20	20s37	0s56	18n57	0n33	13s56	2n 1	19s30	0s40	21s40	1n16	13n26	8s46	8n26	9n 3	14s37	15n46	6s12

Julian Day Number = 2144991.5, Delta T = 14m51s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'16, Lahiri = 12°09'17 Julian Calendar 1 Sept. 1160 == Greg. Calendar 8 Sept. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

OCTOBER 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 39	14♎32'42	6♎41	26♍21	14♍ 9	28♏21	7♌53	13♏14	6°R 0	17♐10	10°R31	8°R25	6♍46	14♒55	21♋ 5	S 1
S 2	1 9 35	15°32'28	21° 1	27°25	15°23	29° 5	8° 1	13°21	5♒59	17°11	10♊30	8♍21	6°42	15° 2	21° 7	S 2
M 3	1 13 32	16°32'16	5♏ 4	28°34	16°36	29°49	8°10	13°28	5°59	17°12	10°29	8°15	6°39	15° 8	21°10	M 3
T 4	1 17 28	17°32'05	18°46	29°49	17°50	0♐33	8°18	13°34	5°59	17°14	10°29	8° 9	6°36	15°15	21°12	T 4
W 5	1 21 25	18°31'57	2♐ 6	1♎ 8	19° 4	1°17	8°26	13°41	5°58	17°15	10°28	8° 2	6°33	15°22	21°14	W 5
T 6	1 25 22	19°31'50	15° 2	2°31	20°18	2° 1	8°34	13°47	5°58	17°16	10°27	7°56	6°30	15°28	21°16	T 6
F 7	1 29 18	20°31'45	27°36	3°57	21°31	2°45	8°41	13°54	5°58	17°18	10°27	7°52	6°27	15°35	21°18	F 7
S 8	1 33 15	21°31'42	9♑52	5°26	22°45	3°29	8°49	14° 1	5°58	17°19	10°26	7°49	6°23	15°42	21°20	S 8
S 9	1 37 11	22°31'41	21°53	6°57	23°59	4°14	8°56	14° 8	5°D58	17°21	10°25	7°D48	6°20	15°48	21°21	S 9
M10	1 41 8	23°31'41	3♒46	8°30	25°13	4°58	9° 4	14°14	5°58	17°22	10°25	7°49	6°17	15°55	21°23	M10
T 11	1 45 4	24°31'43	15°34	10° 4	26°28	5°42	9°11	14°21	5°58	17°24	10°24	7°50	6°14	16° 2	21°25	T 11
W12	1 49 1	25°31'46	27°24	11°40	27°42	6°27	9°18	14°28	5°58	17°25	10°23	7°51	6°11	16° 8	21°26	W12
T 13	1 52 57	26°31'51	9♓20	13°16	28°56	7°12	9°25	14°35	5°58	17°27	10°22	7°R52	6° 7	16°15	21°27	T 13
F 14	1 56 54	27°31'58	21°26	14°53	0♎10	7°56	9°32	14°42	5°59	17°28	10°22	7°51	6° 4	16°21	21°29	F 14
S 15	2 0 51	28°32'07	3♈46	16°30	1°24	8°41	9°38	14°49	5°59	17°30	10°21	7°48	6° 1	16°28	21°30	S 15
S 16	2 4 47	29°32'17	16°22	18° 8	2°39	9°26	9°45	14°56	5°59	17°32	10°20	7°42	5°58	16°35	21°31	S 16
M17	2 8 44	0♏32'29	29°14	19°46	3°53	10°10	9°51	15° 3	6° 0	17°33	10°19	7°34	5°55	16°41	21°32	M17
T 18	2 12 40	1°32'43	12♉23	21°24	5° 7	10°55	9°57	15° 9	6° 0	17°35	10°18	7°25	5°52	16°48	21°33	T 18
W19	2 16 37	2°32'58	25°47	23° 2	6°22	11°40	10° 3	15°16	6° 1	17°37	10°17	7°15	5°48	16°55	21°34	W19
T 20	2 20 33	3°33'16	9♊23	24°40	7°36	12°25	10° 9	15°23	6° 1	17°38	10°16	7° 6	5°45	17° 1	21°34	T 20
F 21	2 24 30	4°33'36	23°10	26°18	8°51	13°10	10°15	15°30	6° 2	17°40	10°15	6°58	5°42	17° 8	21°35	F 21
S 22	2 28 26	5°33'57	7♋ 4	27°56	10° 6	13°55	10°20	15°37	6° 2	17°42	10°15	6°52	5°39	17°15	21°35	S 22
S 23	2 32 23	6°34'21	21° 4	29°33	11°20	14°41	10°26	15°45	6° 3	17°44	10°14	6°49	5°36	17°21	21°36	S 23
M24	2 36 20	7°34'46	5♌ 7	1♏11	12°35	15°26	10°31	15°52	6° 4	17°46	10°13	6°D48	5°33	17°28	21°36	M24
T 25	2 40 16	8°35'14	19°13	2°48	13°50	16°11	10°36	15°59	6° 4	17°47	10°12	6°48	5°29	17°35	21°36	T 25
W26	2 44 13	9°35'43	3♍22	4°25	15° 4	16°57	10°41	16° 6	6° 5	17°49	10°11	6°R48	5°26	17°41	21°36	W26
T 27	2 48 9	10°36'14	17°30	6° 1	16°19	17°42	10°46	16°13	6° 6	17°51	10°10	6°48	5°23	17°48	21°R36	T 27
F 28	2 52 6	11°36'47	1♎38	7°38	17°34	18°27	10°50	16°20	6° 7	17°53	10° 9	6°46	5°20	17°55	21°36	F 28
S 29	2 56 2	12°37'22	15°42	9°14	18°49	19°13	10°55	16°27	6° 8	17°55	10° 8	6°40	5°17	18° 1	21°36	S 29
S 30	2 59 59	13°37'59	29°37	10°50	20° 4	19°59	10°59	16°34	6° 9	17°57	10° 7	6°32	5°13	18° 8	21°36	S 30
M31	3 3 55	14♏38'37	13♏22	12♏25	21♎19	20♐44	11♌ 3	16♏41	6♒10	17♐59	10♊ 6	6♍22	5♍10	18♒15	21♋35	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s45	0s24	2n28	3n 7	1n48	7n32	1n22	20s48	0s56	18n55	0n34	13s58	2n 1	19s31	0s40	21s40	1n16	13n26	8s46	8n27	9n 4	14s36	15n45	6s13
S 2	6 9	4 59	3 31	2 47	1 54	7 4	1 24	20 58	0 57	18 53	0 34	14 0	2 1	19 31	0 40	21 40	1 15	13 26	8 46	8 29	9 5	14 35	15 44	6 13
M 3	6 32	9 11	4 20	2 23	1 58	6 37	1 25	21 8	0 57	18 51	0 34	14 2	2 1	19 31	0 40	21 41	1 15	13 26	8 47	8 31	9 7	14 34	15 43	6 14
T 4	6 55	12 47	4 53	1 56	2 2	6 9	1 27	21 18	0 58	18 49	0 34	14 4	2 0	19 31	0 40	21 41	1 15	13 26	8 47	8 33	9 8	14 32	15 42	6 14
W 5	7 18	15 38	5 8	1 26	2 4	5 42	1 28	21 27	0 58	18 47	0 34	14 6	2 0	19 31	0 40	21 41	1 15	13 25	8 47	8 36	9 9	14 31	15 41	6 15
T 6	7 40	17 36	5 8	0 54	2 5	5 14	1 29	21 37	0 58	18 45	0 34	14 8	2 0	19 31	0 40	21 41	1 15	13 25	8 47	8 38	9 10	14 30	15 40	6 16
F 7	8 3	18 39	4 52	0 20	2 5	4 46	1 30	21 46	0 59	18 44	0 35	14 10	2 0	19 31	0 40	21 41	1 15	13 25	8 47	8 40	9 11	14 29	15 39	6 16
S 8	8 26	18 48	4 23	0s16	2 4	4 17	1 31	21 55	0 59	18 42	0 35	14 12	2 0	19 31	0 40	21 41	1 15	13 25	8 47	8 41	9 12	14 28	15 38	6 17
S 9	8 48	18 5	3 43	0 54	2 3	3 49	1 33	22 4	1 0	18 40	0 35	14 14	2 0	19 31	0 40	21 42	1 15	13 25	8 47	8 41	9 14	14 27	15 37	6 18
M10	9 11	16 35	2 54	1 32	2 0	3 20	1 33	22 12	1 0	18 38	0 35	14 17	2 0	19 31	0 40	21 42	1 15	13 24	8 47	8 41	9 15	14 25	15 36	6 18
T 11	9 33	14 22	1 58	2 12	1 58	2 51	1 34	22 21	1 0	18 36	0 35	14 19	2 0	19 31	0 40	21 42	1 15	13 24	8 47	8 40	9 16	14 24	15 36	6 19
W12	9 55	11 33	0 56	2 53	1 54	2 22	1 35	22 29	1 1	18 35	0 36	14 21	2 0	19 31	0 40	21 42	1 15	13 24	8 48	8 40	9 17	14 23	15 35	6 20
T 13	10 17	8 14	0s 8	3 34	1 51	1 53	1 36	22 37	1 1	18 33	0 36	14 23	2 0	19 31	0 40	21 42	1 15	13 24	8 48	8 39	9 18	14 22	15 34	6 20
F 14	10 38	4 31	1 13	4 15	1 46	1 24	1 36	22 44	1 1	18 32	0 36	14 25	1 59	19 30	0 40	21 43	1 15	13 24	8 48	8 40	9 19	14 21	15 33	6 21
S 15	11 0	0 34	2 15	4 57	1 42	0 55	1 37	22 52	1 2	18 30	0 36	14 27	1 59	19 30	0 40	21 43	1 15	13 23	8 48	8 41	9 21	14 19	15 32	6 22
S 16	11 22	3n30	3 12	5 39	1 37	0 26	1 38	22 59	1 2	18 28	0 36	14 29	1 59	19 30	0 40	21 43	1 15	13 23	8 48	8 43	9 22	14 18	15 31	6 22
M17	11 43	7 30	4 0	6 21	1 31	0s 3	1 38	23 6	1 3	18 27	0 37	14 31	1 59	19 30	0 40	21 43	1 15	13 23	8 48	8 46	9 23	14 17	15 31	6 23
T 18	12 4	11 13	4 37	7 3	1 26	0 33	1 38	23 13	1 3	18 25	0 37	14 33	1 59	19 30	0 40	21 43	1 15	13 23	8 48	8 49	9 24	14 16	15 30	6 24
W19	12 25	14 26	4 59	7 45	1 20	1 2	1 38	23 20	1 3	18 24	0 37	14 35	1 59	19 30	0 40	21 44	1 15	13 23	8 48	8 53	9 25	14 15	15 29	6 24
T 20	12 45	16 56	5 5	8 27	1 14	1 31	1 39	23 26	1 4	18 23	0 37	14 38	1 59	19 30	0 40	21 44	1 15	13 22	8 48	8 57	9 27	14 13	15 28	6 25
F 21	13 6	18 29	4 53	9 8	1 8	2 1	1 39	23 32	1 4	18 21	0 38	14 40	1 59	19 29	0 40	21 44	1 15	13 22	8 48	9 0	9 28	14 12	15 28	6 26
S 22	13 26	18 57	4 24	9 50	1 2	2 30	1 39	23 38	1 4	18 20	0 38	14 42	1 59	19 29	0 40	21 44	1 15	13 22	8 48	9 2	9 29	14 11	15 27	6 26
S 23	13 46	18 17	3 39	10 30	0 55	2 59	1 39	23 44	1 4	18 19	0 38	14 44	1 59	19 29	0 40	21 44	1 15	13 22	8 48	9 3	9 30	14 10	15 26	6 27
M24	14 6	16 28	2 41	11 11	0 49	3 29	1 39	23 49	1 5	18 17	0 38	14 46	1 59	19 29	0 40	21 44	1 15	13 22	8 48	9 3	9 31	14 9	15 25	6 28
T 25	14 26	13 40	1 33	11 50	0 42	3 58	1 38	23 54	1 5	18 16	0 38	14 48	1 59	19 29	0 40	21 45	1 15	13 21	8 49	9 3	9 32	14 7	15 25	6 28
W26	14 45	10 2	0 18	12 30	0 35	4 27	1 38	23 59	1 5	18 15	0 39	14 50	1 59	19 28	0 40	21 45	1 15	13 21	8 49	9 3	9 34	14 6	15 24	6 29
T 27	15 4	5 50	0n57	13 8	0 29	4 57	1 38	24 4	1 6	18 14	0 39	14 52	1 59	19 28	0 40	21 45	1 14	13 21	8 49	9 3	9 35	14 5	15 23	6 30
F 28	15 23	1 18	2 8	13 46	0 22	5 26	1 37	24 8	1 6	18 13	0 39	14 54	1 58	19 28	0 40	21 45	1 14	13 21	8 49	9 4	9 36	14 4	15 23	6 30
S 29	15 42	3s16	3 11	14 24	0 15	5 55	1 37	24 12	1 6	18 12	0 39	14 56	1 58	19 28	0 40	21 46	1 14	13 21	8 49	9 6	9 37	14 2	15 22	6 31
S 30	16 0	7 36	4 2	15 0	0 9	6 23	1 36	24 16	1 6	18 11	0 39	14 58	1 58	19 27	0 40	21 46	1 14	13 21	8 49	9 9	9 38	14 1	15 22	6 31
M31	16s18	11s29	4n38	15s36	0n 2	6s52	1n36	24s20	1s 7	18n10	0n40	15s 0	1n58	19s27	0s39	21s46	1n14	13n20	8s49	9n13	9n39	14s 0	15n21	6s32

Julian Day Number = 2145021.5, Delta T = 14m51s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'20, Lahiri = 12°09'21 Julian Calendar 1 Oct. 1160 == Greg. Calendar 8 Oct. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

NOVEMBER 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 52	15♏39'17	26♏51	14♏ 1	22♎33	21♐30	11♑ 7	16♏48	6♒11	18♐ 1	10°R 5	6°R10	5♍ 7	18♒21	21°R35	T 1
W 2	3 11 49	16°39'58	10♐ 2	15°36	23°48	22°16	11°10	16°55	6°13	18° 3	10♊ 4	5♍57	5° 4	18°28	21♋34	W 2
T 3	3 15 45	17°40'40	22°53	17°11	25° 3	23° 2	11°14	17° 2	6°14	18° 5	10° 3	5°46	5° 1	18°35	21°34	T 3
F 4	3 19 42	18°41'24	5♑26	18°46	26°18	23°47	11°17	17°10	6°15	18° 7	10° 1	5°36	4°58	18°41	21°33	F 4
S 5	3 23 38	19°42'09	17°41	20°21	27°33	24°33	11°20	17°17	6°16	18° 9	10° 0	5°29	4°54	18°48	21°32	S 5
S 6	3 27 35	20°42'55	29°42	21°55	28°48	25°19	11°23	17°24	6°18	18°11	9°59	5°25	4°51	18°54	21°31	S 6
M 7	3 31 31	21°43'42	11♒34	23°29	0♏ 4	26° 5	11°26	17°31	6°19	18°13	9°58	5°23	4°48	19° 1	21°30	M 7
T 8	3 35 28	22°44'31	23°22	25° 4	1°19	26°51	11°29	17°38	6°21	18°15	9°57	5°D22	4°45	19° 8	21°29	T 8
W 9	3 39 24	23°45'20	5♓11	26°38	2°34	27°38	11°31	17°45	6°22	18°17	9°56	5°R23	4°42	19°14	21°28	W 9
T 10	3 43 21	24°46'10	17° 8	28°12	3°49	28°24	11°33	17°52	6°24	18°19	9°55	5°22	4°39	19°21	21°26	T 10
F 11	3 47 18	25°47'01	29°16	29°46	5° 4	29°10	11°35	17°59	6°26	18°22	9°54	5°20	4°35	19°28	21°25	F 11
S 12	3 51 14	26°47'53	11♈41	1♐20	6°19	29°56	11°37	18° 6	6°27	18°24	9°53	5°15	4°32	19°34	21°23	S 12
S 13	3 55 11	27°48'46	24°26	2°53	7°34	0♑42	11°39	18°13	6°29	18°26	9°51	5° 8	4°29	19°41	21°22	S 13
M14	3 59 7	28°49'39	7♉34	4°27	8°49	1°29	11°40	18°20	6°31	18°28	9°50	4°58	4°26	19°48	21°20	M14
T 15	4 3 4	29°50'34	21° 3	6° 1	10° 5	2°15	11°41	18°27	6°32	18°30	9°49	4°46	4°23	19°54	21°18	T 15
W16	4 7 0	0♐51'30	4♊51	7°35	11°20	3° 2	11°42	18°34	6°34	18°32	9°48	4°33	4°19	20° 1	21°16	W16
T 17	4 10 57	1°52'27	18°56	9° 8	12°35	3°48	11°43	18°41	6°36	18°34	9°47	4°20	4°16	20° 8	21°14	T 17
F 18	4 14 53	2°53'25	3♋10	10°42	13°50	4°34	11°44	18°48	6°38	18°37	9°46	4° 9	4°13	20°14	21°12	F 18
S 19	4 18 50	3°54'24	17°29	12°16	15° 6	5°21	11°44	18°55	6°40	18°39	9°45	4° 1	4°10	20°21	21°10	S 19
S 20	4 22 47	4°55'25	1♌49	13°49	16°21	6° 8	11°44	19° 2	6°42	18°41	9°43	3°56	4° 7	20°28	21° 8	S 20
M21	4 26 43	5°56'26	16° 4	15°23	17°36	6°54	11°R45	19° 9	6°44	18°43	9°42	3°54	4° 4	20°34	21° 6	M21
T 22	4 30 40	6°57'29	0♍13	16°57	18°52	7°41	11°44	19°16	6°46	18°46	9°41	3°53	4° 0	20°41	21° 3	T 22
W23	4 34 36	7°58'32	14°14	18°31	20° 7	8°28	11°44	19°23	6°48	18°48	9°40	3°53	3°57	20°48	21° 1	W23
T 24	4 38 33	8°59'37	28° 9	20° 4	21°22	9°14	11°44	19°30	6°51	18°50	9°39	3°52	3°54	20°54	20°58	T 24
F 25	4 42 29	10° 0'42	11♎55	21°38	22°38	10° 1	11°43	19°36	6°53	18°52	9°38	3°49	3°51	21° 1	20°55	F 25
S 26	4 46 26	11° 1'49	25°34	23°11	23°53	10°48	11°42	19°43	6°55	18°55	9°36	3°43	3°48	21° 7	20°53	S 26
S 27	4 50 22	12° 2'57	9♏ 3	24°45	25° 8	11°35	11°41	19°50	6°57	18°57	9°35	3°34	3°44	21°14	20°50	S 27
M28	4 54 19	13° 4'05	22°22	26°18	26°24	12°21	11°40	19°57	7° 0	18°59	9°34	3°23	3°41	21°21	20°47	M28
T 29	4 58 16	14° 5'14	5♐30	27°51	27°39	13° 8	11°38	20° 3	7° 2	19° 1	9°33	3° 9	3°38	21°27	20°44	T 29
W30	5 2 12	15♐ 6'24	18♐23	29♐23	28♏54	13♑55	11♑36	20♏10	7♒ 5	19♐ 4	9♊32	2♍55	3♍35	21♒34	20♋41	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s36	14s42	4n58	16s12	0s 5	7s21	1n35	24s23	1s 7	18n 9	0n40	15s 2	1n58	19s27	0s39	21s46	1n14	13n20	8s49	9n17	9n41	13s59	15n20	6s33
W 2	16 54	17 5	5 1	16 46	0 11	7 49	1 34	24 26	1 7	18 9	0 40	15 5	1 58	19 26	0 39	21 46	1 14	13 20	8 49	9 22	9 42	13 58	15 20	6 33
T 3	17 11	18 33	4 49	17 20	0 18	8 18	1 33	24 29	1 7	18 8	0 40	15 7	1 58	19 26	0 39	21 47	1 14	13 20	8 49	9 26	9 43	13 56	15 19	6 34
F 4	17 28	19 4	4 23	17 53	0 25	8 46	1 32	24 31	1 7	18 7	0 41	15 9	1 58	19 26	0 39	21 47	1 14	13 20	8 49	9 30	9 44	13 55	15 19	6 35
S 5	17 44	18 39	3 45	18 25	0 31	9 14	1 31	24 34	1 8	18 6	0 41	15 11	1 58	19 25	0 39	21 47	1 14	13 19	8 49	9 32	9 45	13 54	15 18	6 35
S 6	18 1	17 25	2 57	18 56	0 37	9 42	1 30	24 36	1 8	18 6	0 41	15 13	1 58	19 25	0 39	21 47	1 14	13 19	8 49	9 34	9 46	13 53	15 18	6 36
M 7	18 17	15 25	2 3	19 26	0 44	10 9	1 29	24 37	1 8	18 5	0 41	15 15	1 58	19 25	0 39	21 47	1 14	13 19	8 49	9 35	9 48	13 51	15 17	6 37
T 8	18 32	12 48	1 3	19 55	0 50	10 36	1 28	24 39	1 8	18 5	0 42	15 17	1 58	19 24	0 39	21 48	1 14	13 19	8 49	9 35	9 49	13 50	15 17	6 37
W 9	18 48	9 38	0 1	20 24	0 56	11 3	1 27	24 40	1 8	18 4	0 42	15 19	1 58	19 24	0 39	21 48	1 14	13 19	8 49	9 35	9 50	13 49	15 16	6 38
T 10	19 3	6 3	1s 2	20 51	1 2	11 30	1 25	24 41	1 9	18 4	0 42	15 21	1 58	19 23	0 39	21 48	1 14	13 19	8 49	9 35	9 51	13 48	15 16	6 38
F 11	19 17	2 10	2 3	21 17	1 8	11 57	1 24	24 41	1 9	18 4	0 42	15 23	1 58	19 23	0 39	21 48	1 14	13 18	8 49	9 36	9 52	13 46	15 16	6 39
S 12	19 32	1n53	3 0	21 43	1 13	12 23	1 23	24 42	1 9	18 3	0 42	15 25	1 58	19 22	0 39	21 48	1 14	13 18	8 49	9 38	9 53	13 45	15 15	6 40
S 13	19 46	5 58	3 49	22 7	1 19	12 49	1 21	24 42	1 9	18 3	0 43	15 27	1 58	19 22	0 39	21 49	1 14	13 18	8 49	9 40	9 55	13 44	15 15	6 40
M14	19 59	9 53	4 27	22 30	1 24	13 15	1 20	24 41	1 9	18 3	0 43	15 28	1 58	19 22	0 39	21 49	1 14	13 18	8 49	9 44	9 56	13 42	15 15	6 41
T 15	20 12	13 24	4 52	22 52	1 29	13 40	1 18	24 41	1 9	18 3	0 43	15 30	1 58	19 21	0 39	21 49	1 14	13 18	8 49	9 48	9 57	13 41	15 14	6 41
W16	20 25	16 17	5 0	23 13	1 34	14 5	1 16	24 40	1 9	18 3	0 43	15 32	1 58	19 21	0 39	21 49	1 14	13 18	8 49	9 53	9 58	13 40	15 14	6 42
T 17	20 38	18 15	4 51	23 33	1 39	14 30	1 15	24 39	1 10	18 3	0 44	15 34	1 58	19 20	0 39	21 49	1 14	13 17	8 49	9 58	9 59	13 39	15 14	6 43
F 18	20 50	19 7	4 23	23 51	1 43	14 54	1 13	24 38	1 10	18 3	0 44	15 36	1 58	19 20	0 39	21 50	1 14	13 17	8 49	10 2	10 0	13 37	15 13	6 43
S 19	21 1	18 47	3 39	24 8	1 47	15 18	1 11	24 36	1 10	18 3	0 44	15 38	1 58	19 19	0 39	21 50	1 14	13 17	8 49	10 5	10 2	13 36	15 13	6 44
S 20	21 13	17 14	2 41	24 24	1 51	15 42	1 9	24 34	1 10	18 3	0 44	15 40	1 58	19 18	0 39	21 50	1 14	13 17	8 49	10 7	10 3	13 35	15 13	6 44
M21	21 24	14 37	1 33	24 39	1 55	16 5	1 8	24 32	1 10	18 3	0 45	15 42	1 58	19 18	0 39	21 50	1 14	13 17	8 49	10 8	10 4	13 33	15 13	6 45
T 22	21 34	11 9	0 19	24 52	1 59	16 27	1 6	24 29	1 10	18 4	0 45	15 44	1 58	19 17	0 39	21 50	1 14	13 17	8 49	10 8	10 5	13 32	15 13	6 45
W23	21 44	7 4	0n55	25 4	2 2	16 50	1 4	24 26	1 10	18 4	0 45	15 45	1 58	19 17	0 39	21 51	1 14	13 17	8 49	10 8	10 6	13 31	15 12	6 46
T 24	21 54	2 39	2 5	25 15	2 5	17 11	1 2	24 23	1 10	18 4	0 45	15 47	1 58	19 16	0 39	21 51	1 14	13 17	8 49	10 8	10 7	13 30	15 12	6 46
F 25	22 3	1s52	3 7	25 24	2 7	17 33	1 0	24 20	1 10	18 5	0 46	15 49	1 58	19 16	0 39	21 51	1 14	13 16	8 49	10 9	10 8	13 28	15 12	6 47
S 26	22 12	6 15	3 57	25 31	2 9	17 54	0 58	24 16	1 10	18 5	0 46	15 51	1 58	19 15	0 39	21 51	1 14	13 16	8 49	10 11	10 10	13 27	15 12	6 47
S 27	22 20	10 15	4 34	25 38	2 11	18 14	0 56	24 12	1 10	18 6	0 46	15 53	1 58	19 14	0 39	21 51	1 14	13 16	8 49	10 15	10 11	13 26	15 12	6 48
M28	22 28	13 41	4 55	25 42	2 13	18 34	0 53	24 8	1 10	18 6	0 46	15 54	1 58	19 14	0 39	21 52	1 14	13 16	8 49	10 19	10 12	13 24	15 12	6 48
T 29	22 36	16 23	5 0	25 45	2 14	18 54	0 51	24 4	1 10	18 7	0 47	15 56	1 58	19 13	0 39	21 52	1 14	13 16	8 49	10 24	10 13	13 23	15 12	6 49
W30	22s43	18s13	4n50	25s47	2s14	19s12	0n49	23s59	1s10	18n 8	0n47	15s58	1n58	19s13	0s39	21s52	1n14	13n16	8s49	10n29	10n14	13s22	15n12	6s49

Julian Day Number = 2145052.5, Delta T = 14m51s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'25, Lahiri = 12°09'25 Julian Calendar 1 Nov. 1160 == Greg. Calendar 8 Nov. 1160

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ASTRODIENST EPHEMERIS for the year 1160
geocentric

DECEMBER 1160 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 9	16♐ 7'34	1♑ 2	0♑56	0♐10	14♑42	11°R34	20♏17	7♒ 7	19♐ 6	9°R31	2°R42	3♍32	21♒41	20°R38	T 1
F 2	5 10 5	17° 8'44	13°26	2°27	1°25	15°29	11♌32	20°23	7°10	19° 8	9♊29	2♍31	3°29	21°47	20♋35	F 2
S 3	5 14 2	18° 9'55	25°36	3°58	2°41	16°16	11°30	20°30	7°12	19°10	9°28	2°23	3°25	21°54	20°32	S 3
S 4	5 17 58	19°11'06	7♒35	5°28	3°56	17° 3	11°28	20°37	7°15	19°13	9°27	2°17	3°22	22° 1	20°28	S 4
M 5	5 21 55	20°12'17	19°25	6°58	5°11	17°50	11°25	20°43	7°17	19°15	9°26	2°15	3°19	22° 7	20°25	M 5
T 6	5 25 51	21°13'29	1♓12	8°26	6°27	18°37	11°22	20°50	7°20	19°17	9°25	2°D14	3°16	22°14	20°22	T 6
W 7	5 29 48	22°14'40	13° 0	9°52	7°42	19°25	11°19	20°56	7°23	19°19	9°24	2°14	3°13	22°21	20°18	W 7
T 8	5 33 45	23°15'51	24°54	11°17	8°58	20°12	11°16	21° 2	7°25	19°22	9°22	2°R14	3°10	22°27	20°14	T 8
F 9	5 37 41	24°17'02	7♈ 1	12°40	10°13	20°59	11°12	21° 9	7°28	19°24	9°21	2°13	3° 6	22°34	20°11	F 9
S 10	5 41 38	25°18'13	19°25	14° 0	11°28	21°46	11° 9	21°15	7°31	19°26	9°20	2°11	3° 3	22°41	20° 7	S 10
S 11	5 45 34	26°19'24	2♉11	15°18	12°44	22°33	11° 5	21°21	7°34	19°29	9°19	2° 5	3° 0	22°47	20° 3	S 11
M12	5 49 31	27°20'35	15°23	16°32	13°59	23°20	11° 1	21°27	7°36	19°31	9°18	1°57	2°57	22°54	20° 0	M12
T 13	5 53 27	28°21'46	29° 1	17°41	15°15	24° 8	10°57	21°34	7°39	19°33	9°17	1°48	2°54	23° 0	19°56	T 13
W14	5 57 24	29°22'56	13♊ 5	18°47	16°30	24°55	10°52	21°40	7°42	19°35	9°16	1°37	2°50	23° 7	19°52	W14
T 15	6 1 20	0♑24'07	27°29	19°46	17°45	25°42	10°48	21°46	7°45	19°38	9°15	1°27	2°47	23°14	19°48	T 15
F 16	6 5 17	1°25'17	12♋ 9	20°40	19° 1	26°29	10°43	21°52	7°48	19°40	9°14	1°18	2°44	23°20	19°44	F 16
S 17	6 9 14	2°26'27	26°56	21°27	20°16	27°17	10°38	21°58	7°51	19°42	9°13	1°11	2°41	23°27	19°40	S 17
S 18	6 13 10	3°27'38	11♌42	22° 5	21°32	28° 4	10°34	22° 4	7°54	19°44	9°12	1° 7	2°38	23°34	19°36	S 18
M19	6 17 7	4°28'48	26°20	22°35	22°47	28°51	10°28	22°10	7°57	19°46	9°10	1°D 5	2°35	23°40	19°32	M19
T 20	6 21 3	5°29'58	10♍46	22°55	24° 2	29°38	10°23	22°16	8° 0	19°49	9° 9	1° 6	2°31	23°47	19°28	T 20
W21	6 25 0	6°31'08	24°57	23°R 4	25°18	0♒26	10°18	22°21	8° 3	19°51	9° 8	1° 7	2°28	23°54	19°24	W21
T 22	6 28 56	7°32'18	8♎52	23° 2	26°33	1°13	10°12	22°27	8° 6	19°53	9° 7	1°R 7	2°25	24° 0	19°20	T 22
F 23	6 32 53	8°33'29	22°30	22°48	27°49	2° 1	10° 6	22°33	8° 9	19°55	9° 6	1° 6	2°22	24° 7	19°16	F 23
S 24	6 36 50	9°34'39	5♏54	22°23	29° 4	2°48	10° 0	22°38	8°13	19°57	9° 5	1° 3	2°19	24°14	19°11	S 24
S 25	6 40 46	10°35'49	19° 4	21°46	0♑19	3°35	9°54	22°44	8°16	20° 0	9° 4	0°57	2°16	24°20	19° 7	S 25
M26	6 44 43	11°36'59	2♐ 1	20°58	1°35	4°23	9°48	22°49	8°19	20° 2	9° 3	0°50	2°12	24°27	19° 3	M26
T 27	6 48 39	12°38'08	14°46	20° 0	2°50	5°10	9°42	22°55	8°22	20° 4	9° 2	0°41	2° 9	24°34	18°59	T 27
W28	6 52 36	13°39'17	27°20	18°54	4° 6	5°57	9°35	23° 0	8°25	20° 6	9° 2	0°32	2° 6	24°40	18°54	W28
T 29	6 56 32	14°40'26	9♑42	17°42	5°21	6°45	9°29	23° 5	8°29	20° 8	9° 1	0°23	2° 3	24°47	18°50	T 29
F 30	7 0 29	15°41'34	21°53	16°26	6°36	7°32	9°22	23°11	8°32	20°10	9° 0	0°15	2° 0	24°53	18°46	F 30
S 31	7 4 25	16♑42'41	3♒55	15♑ 8	7♑52	8♒20	9♌15	23♏16	8♒35	20♐12	8♊59	0♍10	1♍56	25♒ 0	18♋41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s49	19s 7	4n25	25s47	2s14	19s31	0n47	23s54	1s10	18n 9	0n47	16s 0	1n58	19s12	0s39	21s52	1n14	13n16	8s48	10n33	10n15	13s20	15n12	6s50	T 1
F 2	22 55	19 5	3 48	25 45	2 14	19 49	0 45	23 48	1 10	18 9	0 47	16 1	1 58	19 11	0 39	21 52	1 14	13 16	8 48	10 37	10 17	13 19	15 12	6 50	F 2
S 3	23 1	18 9	3 1	25 42	2 12	20 6	0 42	23 43	1 10	18 10	0 48	16 3	1 58	19 11	0 39	21 53	1 14	13 16	8 48	10 40	10 18	13 18	15 12	6 51	S 3
S 4	23 6	16 24	2 7	25 37	2 11	20 23	0 40	23 37	1 10	18 11	0 48	16 5	1 58	19 10	0 39	21 53	1 14	13 15	8 48	10 42	10 19	13 16	15 12	6 51	S 4
M 5	23 11	13 59	1 8	25 30	2 9	20 39	0 38	23 31	1 10	18 12	0 48	16 6	1 59	19 9	0 39	21 53	1 14	13 15	8 48	10 43	10 20	13 15	15 12	6 52	M 5
T 6	23 15	11 1	0 5	25 22	2 6	20 54	0 35	23 24	1 10	18 13	0 48	16 8	1 59	19 9	0 39	21 53	1 14	13 15	8 48	10 44	10 21	13 14	15 12	6 52	T 6
W 7	23 19	7 35	0s57	25 12	2 2	21 9	0 33	23 18	1 10	18 14	0 48	16 10	1 59	19 8	0 39	21 53	1 14	13 15	8 48	10 44	10 22	13 12	15 12	6 52	W 7
T 8	23 22	3 50	1 58	25 1	1 58	21 23	0 30	23 11	1 10	18 15	0 49	16 11	1 59	19 7	0 39	21 54	1 14	13 15	8 48	10 43	10 23	13 11	15 12	6 53	T 8
F 9	23 25	0n 8	2 54	24 48	1 52	21 37	0 28	23 3	1 10	18 17	0 49	16 13	1 59	19 6	0 39	21 54	1 14	13 15	8 48	10 44	10 25	13 10	15 12	6 53	F 9
S 10	23 28	4 11	3 44	24 34	1 46	21 50	0 26	22 56	1 10	18 18	0 49	16 14	1 59	19 6	0 39	21 54	1 14	13 15	8 48	10 45	10 26	13 8	15 13	6 54	S 10
S 11	23 30	8 9	4 24	24 19	1 39	22 2	0 23	22 48	1 10	18 19	0 49	16 16	1 59	19 5	0 39	21 54	1 14	13 15	8 48	10 47	10 27	13 7	15 13	6 54	S 11
M12	23 31	11 52	4 52	24 2	1 32	22 14	0 21	22 40	1 10	18 20	0 50	16 18	1 59	19 4	0 38	21 54	1 14	13 15	8 48	10 49	10 28	13 6	15 13	6 54	M12
T 13	23 32	15 5	5 4	23 44	1 23	22 25	0 18	22 32	1 10	18 22	0 50	16 19	1 59	19 3	0 38	21 55	1 14	13 15	8 47	10 53	10 29	13 4	15 13	6 55	T 13
W14	23 33	17 32	4 58	23 25	1 13	22 36	0 16	22 23	1 10	18 23	0 50	16 21	1 59	19 3	0 38	21 55	1 14	13 15	8 47	10 57	10 30	13 3	15 13	6 55	W14
T 15	23 33	18 58	4 34	23 6	1 2	22 45	0 13	22 14	1 10	18 25	0 50	16 22	1 59	19 2	0 38	21 55	1 14	13 15	8 47	11 0	10 32	13 2	15 14	6 55	T 15
F 16	23 32	19 9	3 51	22 46	0 50	22 54	0 11	22 5	1 10	18 26	0 51	16 24	1 59	19 1	0 38	21 55	1 14	13 15	8 47	11 4	10 33	13 0	15 14	6 56	F 16
S 17	23 31	18 3	2 52	22 25	0 36	23 3	0 8	21 56	1 10	18 28	0 51	16 25	1 59	19 0	0 38	21 55	1 14	13 15	8 47	11 6	10 34	12 59	15 14	6 56	S 17
S 18	23 30	15 43	1 42	22 5	0 22	23 10	0 6	21 46	1 9	18 29	0 51	16 26	1 59	19 0	0 38	21 55	1 14	13 15	8 47	11 8	10 35	12 57	15 14	6 56	S 18
M19	23 28	12 24	0 26	21 45	0 6	23 17	0 4	21 37	1 9	18 31	0 51	16 28	2 0	18 59	0 38	21 56	1 14	13 15	8 47	11 8	10 36	12 56	15 15	6 56	M19
T 20	23 26	8 22	0n52	21 25	0n10	23 24	0 1	21 27	1 9	18 32	0 51	16 29	2 0	18 58	0 38	21 56	1 14	13 15	8 47	11 8	10 37	12 55	15 15	6 57	T 20
W21	23 23	3 55	2 5	21 6	0 28	23 29	0s 1	21 16	1 9	18 34	0 52	16 31	2 0	18 57	0 38	21 56	1 14	13 15	8 46	11 8	10 38	12 53	15 15	6 57	W21
T 22	23 20	0s38	3 9	20 49	0 46	23 34	0 4	21 6	1 9	18 36	0 52	16 32	2 0	18 56	0 38	21 56	1 14	13 15	8 46	11 8	10 40	12 52	15 16	6 57	T 22
F 23	23 16	5 4	4 1	20 33	1 5	23 38	0 6	20 55	1 9	18 38	0 52	16 33	2 0	18 55	0 38	21 56	1 14	13 15	8 46	11 8	10 41	12 51	15 16	6 57	F 23
S 24	23 12	9 10	4 38	20 18	1 24	23 41	0 9	20 44	1 9	18 39	0 52	16 35	2 0	18 55	0 38	21 56	1 14	13 15	8 46	11 9	10 42	12 49	15 17	6 57	S 24
S 25	23 7	12 45	5 1	20 5	1 43	23 44	0 11	20 33	1 8	18 41	0 53	16 36	2 0	18 54	0 38	21 57	1 14	13 15	8 46	11 11	10 43	12 48	15 17	6 58	S 25
M26	23 2	15 38	5 7	19 54	2 2	23 46	0 14	20 21	1 8	18 43	0 53	16 37	2 0	18 53	0 38	21 57	1 14	13 15	8 46	11 14	10 44	12 46	15 17	6 58	M26
T 27	22 57	17 44	4 58	19 45	2 19	23 47	0 16	20 10	1 8	18 45	0 53	16 39	2 0	18 52	0 38	21 57	1 14	13 15	8 46	11 17	10 45	12 45	15 18	6 58	T 27
W28	22 51	18 56	4 35	19 38	2 36	23 47	0 18	19 58	1 8	18 47	0 53	16 40	2 0	18 51	0 38	21 57	1 14	13 15	8 45	11 20	10 46	12 44	15 18	6 58	W28
T 29	22 44	19 13	3 59	19 33	2 51	23 47	0 21	19 46	1 8	18 49	0 53	16 41	2 1	18 50	0 38	21 57	1 14	13 15	8 45	11 23	10 48	12 42	15 19	6 58	T 29
F 30	22 37	18 36	3 12	19 30	3 4	23 46	0 23	19 33	1 8	18 51	0 54	16 42	2 1	18 50	0 38	21 57	1 14	13 15	8 45	11 26	10 49	12 41	15 19	6 58	F 30
S 31	22s30	17s 8	2n17	19s28	3n14	23s44	0s25	19s21	1s 7	18n53	0n54	16s43	2n 1	18s49	0s38	21s57	1n14	13n15	8s45	11n28	10n50	12s39	15n20	6s58	S 31

Julian Day Number = 2145082.5, Delta T = 14m50s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'29, Lahiri = 12°09'29 Julian Calendar 1 Dec. 1160 == Greg. Calendar 8 Dec. 1160

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

JANUARY 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 22	17♉43'48	15♒48	13°R51	9♉ 7	9♒ 7	9°R 8	23♏21	8♒38	20♐14	8°R58	0°R 6	1♍53	25♒ 7	18°R37	S 1
M 2	7 12 19	18°44'54	27°37	12♉37	10°23	9°54	9♌ 1	23°26	8°42	20°16	8♊57	0°D 5	1°50	25°13	18♋33	M 2
T 3	7 16 15	19°45'58	9♓23	11°27	11°38	10°42	8°54	23°31	8°45	20°18	8°56	0♍ 5	1°47	25°20	18°28	T 3
W 4	7 20 12	20°47'02	21°10	10°25	12°53	11°29	8°47	23°36	8°48	20°21	8°55	0° 7	1°44	25°27	18°24	W 4
T 5	7 24 8	21°48'05	3♈ 3	9°30	14° 9	12°17	8°40	23°40	8°52	20°23	8°54	0° 9	1°41	25°33	18°20	T 5
F 6	7 28 5	22°49'06	15° 8	8°43	15°24	13° 4	8°32	23°45	8°55	20°25	8°54	0°10	1°37	25°40	18°15	F 6
S 7	7 32 1	23°50'07	27°28	8° 6	16°39	13°51	8°25	23°50	8°59	20°27	8°53	0°R10	1°34	25°47	18°11	S 7
S 8	7 35 58	24°51'06	10♉10	7°37	17°55	14°39	8°17	23°54	9° 2	20°28	8°52	0° 9	1°31	25°53	18° 7	S 8
M 9	7 39 54	25°52'04	23°17	7°17	19°10	15°26	8°10	23°59	9° 5	20°30	8°51	0° 6	1°28	26° 0	18° 2	M 9
T 10	7 43 51	26°53'01	6♊51	7° 6	20°25	16°14	8° 2	24° 3	9° 9	20°32	8°51	0° 2	1°25	26° 7	17°58	T 10
W11	7 47 48	27°53'56	20°54	7°D 3	21°40	17° 1	7°54	24° 8	9°12	20°34	8°50	29♌57	1°22	26°13	17°54	W11
T 12	7 51 44	28°54'50	5♋23	7° 8	22°56	17°48	7°47	24°12	9°16	20°36	8°49	29°52	1°18	26°20	17°50	T 12
F 13	7 55 41	29°55'43	20°14	7°20	24°11	18°36	7°39	24°16	9°19	20°38	8°48	29°48	1°15	26°27	17°45	F 13
S 14	7 59 37	0♒56'35	5♌17	7°38	25°26	19°23	7°31	24°20	9°23	20°40	8°48	29°45	1°12	26°33	17°41	S 14
S 15	8 3 34	1°57'26	20°25	8° 3	26°42	20°10	7°23	24°24	9°26	20°42	8°47	29°43	1° 9	26°40	17°37	S 15
M16	8 7 30	2°58'15	5♍27	8°33	27°57	20°58	7°15	24°28	9°29	20°43	8°47	29°D43	1° 6	26°46	17°33	M16
T 17	8 11 27	3°59'04	20°16	9° 8	29°12	21°45	7° 7	24°32	9°33	20°45	8°46	29°44	1° 2	26°53	17°29	T 17
W18	8 15 23	4°59'51	4♎47	9°48	0♒27	22°32	6°59	24°36	9°36	20°47	8°45	29°45	0°59	27° 0	17°25	W18
T 19	8 19 20	6° 0'37	18°55	10°32	1°42	23°19	6°51	24°40	9°40	20°49	8°45	29°47	0°56	27° 6	17°21	T 19
F 20	8 23 17	7° 1'23	2♏40	11°21	2°58	24° 7	6°43	24°44	9°43	20°51	8°44	29°R48	0°53	27°13	17°17	F 20
S 21	8 27 13	8° 2'07	16° 3	12°12	4°13	24°54	6°35	24°47	9°47	20°52	8°44	29°47	0°50	27°20	17°13	S 21
S 22	8 31 10	9° 2'50	29° 5	13° 8	5°28	25°41	6°27	24°51	9°50	20°54	8°43	29°46	0°47	27°26	17° 9	S 22
M23	8 35 6	10° 3'33	11♐50	14° 6	6°43	26°28	6°19	24°54	9°54	20°56	8°43	29°44	0°43	27°33	17° 5	M23
T 24	8 39 3	11° 4'14	24°20	15° 7	7°58	27°16	6°12	24°57	9°57	20°57	8°42	29°41	0°40	27°40	17° 1	T 24
W25	8 42 59	12° 4'53	6♉37	16°10	9°14	28° 3	6° 4	25° 0	10° 1	20°59	8°42	29°38	0°37	27°46	16°57	W25
T 26	8 46 56	13° 5'32	18°44	17°16	10°29	28°50	5°56	25° 4	10° 4	21° 0	8°41	29°36	0°34	27°53	16°54	T 26
F 27	8 50 52	14° 6'09	0♒43	18°24	11°44	29°37	5°48	25° 7	10° 8	21° 2	8°41	29°33	0°31	28° 0	16°50	F 27
S 28	8 54 49	15° 6'44	12°36	19°34	12°59	0♓24	5°40	25° 9	10°11	21° 3	8°40	29°32	0°28	28° 6	16°46	S 28
S 29	8 58 46	16° 7'18	24°25	20°46	14°14	1°11	5°32	25°12	10°15	21° 5	8°40	29°D31	0°24	28°13	16°43	S 29
M30	9 2 42	17° 7'50	6♓12	21°59	15°29	1°58	5°25	25°15	10°18	21° 6	8°40	29°31	0°21	28°19	16°39	M30
T 31	9 6 39	18♒ 8'21	17♓59	23♉15	16♒44	2♓45	5♌17	25♏18	10♒22	21♐ 8	8♊39	29♌32	0♍18	28♒26	16♋36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s22	14s57	1n17	19s28	3n22	23s41	0s28	19s 8	1s 7	18n55	0n54	16s45	2n 1	18s48	0s38	21s58	1n14	13n15	8s45	11n29	10n51	12s38	15n20	6s58
M 2	22 14	12 9	0 13	19 30	3 28	23 38	0 30	18 55	1 7	18 57	0 54	16 46	2 1	18 47	0 38	21 58	1 14	13 15	8 45	11 30	10 52	12 37	15 21	6 58
T 3	22 5	8 52	0s50	19 33	3 31	23 34	0 32	18 42	1 7	18 59	0 54	16 47	2 1	18 46	0 38	21 58	1 14	13 15	8 44	11 29	10 53	12 35	15 21	6 59
W 4	21 56	5 14	1 52	19 37	3 32	23 29	0 34	18 29	1 6	19 1	0 54	16 48	2 1	18 45	0 38	21 58	1 14	13 15	8 44	11 29	10 54	12 34	15 22	6 59
T 5	21 46	1 23	2 50	19 43	3 30	23 24	0 36	18 15	1 6	19 3	0 55	16 49	2 1	18 44	0 38	21 58	1 14	13 15	8 44	11 28	10 56	12 32	15 22	6 59
F 6	21 36	2n35	3 41	19 49	3 27	23 17	0 39	18 1	1 6	19 5	0 55	16 50	2 1	18 43	0 38	21 58	1 14	13 15	8 44	11 28	10 57	12 31	15 23	6 59
S 7	21 26	6 31	4 23	19 56	3 22	23 11	0 41	17 47	1 6	19 7	0 55	16 51	2 2	18 42	0 38	21 58	1 14	13 15	8 44	11 28	10 58	12 30	15 23	6 59
S 8	21 15	10 17	4 54	20 4	3 15	23 3	0 43	17 33	1 5	19 10	0 55	16 52	2 2	18 42	0 38	21 58	1 14	13 15	8 44	11 28	10 59	12 28	15 24	6 59
M 9	21 4	13 40	5 11	20 13	3 8	22 55	0 45	17 19	1 5	19 12	0 55	16 53	2 2	18 41	0 38	21 59	1 14	13 15	8 43	11 29	11 0	12 27	15 25	6 59
T 10	20 52	16 27	5 11	20 22	2 59	22 45	0 47	17 4	1 5	19 14	0 55	16 54	2 2	18 40	0 38	21 59	1 14	13 15	8 43	11 31	11 1	12 25	15 25	6 58
W11	20 40	18 22	4 52	20 32	2 50	22 36	0 49	16 50	1 5	19 16	0 56	16 55	2 2	18 39	0 38	21 59	1 14	13 15	8 43	11 32	11 2	12 24	15 26	6 58
T 12	20 28	19 11	4 15	20 41	2 40	22 25	0 51	16 35	1 4	19 18	0 56	16 56	2 2	18 38	0 38	21 59	1 14	13 15	8 43	11 34	11 3	12 22	15 26	6 58
F 13	20 15	18 43	3 20	20 51	2 30	22 14	0 53	16 20	1 4	19 20	0 56	16 57	2 2	18 37	0 38	21 59	1 14	13 16	8 43	11 36	11 5	12 21	15 27	6 58
S 14	20 2	16 55	2 10	21 1	2 19	22 2	0 55	16 5	1 4	19 23	0 56	16 58	2 3	18 36	0 38	21 59	1 14	13 16	8 42	11 37	11 6	12 20	15 28	6 58
S 15	19 49	13 57	0 51	21 10	2 8	21 50	0 56	15 50	1 3	19 25	0 56	16 58	2 3	18 35	0 38	21 59	1 14	13 16	8 42	11 37	11 7	12 18	15 28	6 58
M16	19 35	10 2	0n32	21 19	1 57	21 37	0 58	15 34	1 3	19 27	0 56	16 59	2 3	18 34	0 38	21 59	1 14	13 16	8 42	11 37	11 8	12 17	15 29	6 58
T 17	19 21	5 34	1 51	21 28	1 46	21 23	1 0	15 19	1 3	19 29	0 56	17 0	2 3	18 33	0 38	22 0	1 14	13 16	8 42	11 37	11 9	12 15	15 30	6 58
W18	19 6	0 52	3 1	21 36	1 35	21 9	1 1	15 3	1 2	19 31	0 57	17 1	2 3	18 32	0 38	22 0	1 14	13 16	8 42	11 36	11 10	12 14	15 30	6 58
T 19	18 51	3s45	3 59	21 44	1 24	20 54	1 3	14 47	1 2	19 33	0 57	17 2	2 3	18 31	0 38	22 0	1 14	13 16	8 41	11 36	11 11	12 12	15 31	6 57
F 20	18 36	8 3	4 41	21 51	1 13	20 38	1 5	14 31	1 2	19 35	0 57	17 2	2 3	18 30	0 38	22 0	1 14	13 16	8 41	11 36	11 13	12 11	15 32	6 57
S 21	18 20	11 49	5 7	21 57	1 2	20 22	1 6	14 15	1 1	19 38	0 57	17 3	2 4	18 30	0 38	22 0	1 14	13 16	8 41	11 36	11 14	12 9	15 32	6 57
S 22	18 4	14 54	5 16	22 2	0 52	20 5	1 8	13 58	1 1	19 40	0 57	17 4	2 4	18 29	0 38	22 0	1 14	13 17	8 41	11 36	11 15	12 8	15 33	6 57
M23	17 48	17 12	5 9	22 7	0 41	19 47	1 9	13 42	1 1	19 42	0 57	17 4	2 4	18 28	0 38	22 0	1 14	13 17	8 41	11 37	11 16	12 7	15 34	6 57
T 24	17 32	18 39	4 47	22 10	0 31	19 29	1 10	13 25	1 0	19 44	0 57	17 5	2 4	18 27	0 38	22 0	1 14	13 17	8 40	11 38	11 17	12 5	15 34	6 56
W25	17 15	19 10	4 13	22 13	0 21	19 11	1 12	13 9	1 0	19 46	0 57	17 6	2 4	18 26	0 38	22 0	1 14	13 17	8 40	11 39	11 18	12 4	15 35	6 56
T 26	16 58	18 49	3 27	22 14	0 12	18 52	1 13	12 52	1 0	19 48	0 57	17 6	2 4	18 25	0 38	22 0	1 14	13 17	8 40	11 40	11 19	12 2	15 36	6 56
F 27	16 40	17 36	2 33	22 14	0 2	18 32	1 14	12 35	0 59	19 50	0 57	17 7	2 4	18 24	0 38	22 0	1 14	13 17	8 40	11 41	11 20	12 1	15 36	6 56
S 28	16 22	15 37	1 32	22 14	0s 7	18 12	1 15	12 18	0 59	19 52	0 58	17 7	2 5	18 23	0 38	22 1	1 14	13 17	8 39	11 41	11 22	11 59	15 37	6 55
S 29	16 4	13 0	0 28	22 12	0 16	17 51	1 17	12 1	0 58	19 54	0 58	17 8	2 5	18 22	0 38	22 1	1 14	13 18	8 39	11 41	11 23	11 58	15 38	6 55
M30	15 46	9 51	0s37	22 9	0 24	17 30	1 18	11 43	0 58	19 56	0 58	17 8	2 5	18 21	0 38	22 1	1 14	13 18	8 39	11 41	11 24	11 56	15 39	6 55
T 31	15s28	6s19	1s41	22s 4	0s33	17s 8	1s19	11s26	0s58	19n58	0n58	17s 9	2n 5	18s20	0s38	22s 1	1n14	13n18	8s39	11n41	11n25	11s55	15n39	6s54

Julian Day Number = 2145113.5, Delta T = 14m50s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'33, Lahiri = 12°09'33 Julian Calendar 1 Jan. 1161 == Greg. Calendar 8 Jan. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

FEBRUARY 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 10 35	19♒ 8'49	29♓50	24♉32	18♒ 0	3♓32	5°R 9	25♏20	10♒25	21♐ 9	8°R39	29♌33	0♍15	28♒33	16°R32	W 1
T 2	9 14 32	20° 9'16	11♈46	25°50	19°15	4°19	5♌ 2	25°23	10°28	21°11	8♊39	29°34	0°12	28°39	16♋29	T 2
F 3	9 18 28	21° 9'41	23°53	27°10	20°30	5° 6	4°55	25°25	10°32	21°12	8°39	29°35	0° 8	28°46	16°26	F 3
S 4	9 22 25	22°10'04	6♉13	28°31	21°45	5°53	4°47	25°27	10°35	21°13	8°38	29°35	0° 5	28°53	16°23	S 4
S 5	9 26 21	23°10'25	18°51	29°54	23° 0	6°40	4°40	25°30	10°39	21°15	8°38	29°R36	0° 2	28°59	16°20	S 5
M 6	9 30 18	24°10'44	1♊51	1♒18	24°15	7°27	4°33	25°32	10°42	21°16	8°38	29°36	29♌59	29° 6	16°17	M 6
T 7	9 34 15	25°11'01	15°16	2°43	25°30	8°14	4°26	25°34	10°46	21°17	8°38	29°35	29°56	29°13	16°14	T 7
W 8	9 38 11	26°11'16	29° 8	4° 9	26°45	9° 1	4°19	25°36	10°49	21°18	8°38	29°35	29°53	29°19	16°11	W 8
T 9	9 42 8	27°11'29	13♋27	5°37	28° 0	9°48	4°12	25°37	10°52	21°20	8°37	29°35	29°49	29°26	16° 8	T 9
F 10	9 46 4	28°11'40	28°10	7° 5	29°15	10°35	4° 5	25°39	10°56	21°21	8°37	29°35	29°46	29°33	16° 5	F 10
S 11	9 50 1	29°11'49	13♌11	8°35	0♓29	11°21	3°59	25°41	10°59	21°22	8°37	29°D34	29°43	29°39	16° 3	S 11
S 12	9 53 57	0♓11'56	28°24	10° 6	1°44	12° 8	3°52	25°42	11° 2	21°23	8°37	29°R34	29°40	29°46	16° 0	S 12
M13	9 57 54	1°12'00	13♍38	11°38	2°59	12°55	3°46	25°43	11° 6	21°24	8°37	29°34	29°37	29°53	15°57	M13
T 14	10 1 50	2°12'03	28°43	13°12	4°14	13°41	3°39	25°45	11° 9	21°25	8°D37	29°34	29°34	29°59	15°55	T 14
W15	10 5 47	3°12'05	13♎31	14°46	5°29	14°28	3°33	25°46	11°12	21°26	8°37	29°34	29°30	0♓ 6	15°53	W15
T 16	10 9 43	4°12'04	27°57	16°22	6°44	15°15	3°27	25°47	11°16	21°27	8°37	29°33	29°27	0°12	15°50	T 16
F 17	10 13 40	5°12'02	11♏55	17°58	7°59	16° 1	3°21	25°48	11°19	21°28	8°37	29°33	29°24	0°19	15°48	F 17
S 18	10 17 37	6°11'58	25°27	19°36	9°13	16°48	3°16	25°49	11°22	21°29	8°37	29°33	29°21	0°26	15°46	S 18
S 19	10 21 33	7°11'53	8♐32	21°15	10°28	17°34	3°10	25°50	11°25	21°30	8°37	29°D32	29°18	0°32	15°44	S 19
M20	10 25 30	8°11'46	21°15	22°55	11°43	18°20	3° 5	25°50	11°29	21°31	8°38	29°33	29°14	0°39	15°42	M20
T 21	10 29 26	9°11'37	3♑39	24°36	12°58	19° 7	2°59	25°51	11°32	21°32	8°38	29°33	29°11	0°46	15°40	T 21
W22	10 33 23	10°11'27	15°48	26°18	14°13	19°53	2°54	25°52	11°35	21°32	8°38	29°34	29° 8	0°52	15°39	W22
T 23	10 37 19	11°11'14	27°46	28° 2	15°27	20°40	2°49	25°52	11°38	21°33	8°38	29°35	29° 5	0°59	15°37	T 23
F 24	10 41 16	12°11'00	9♒38	29°47	16°42	21°26	2°45	25°52	11°41	21°34	8°38	29°37	29° 2	1° 6	15°36	F 24
S 25	10 45 12	13°10'44	21°25	1♓32	17°57	22°12	2°40	25°52	11°44	21°35	8°38	29°37	28°59	1°12	15°34	S 25
S 26	10 49 9	14°10'26	3♓12	3°20	19°11	22°58	2°36	25°R53	11°47	21°35	8°39	29°R37	28°55	1°19	15°33	S 26
M27	10 53 6	15°10'06	15° 0	5° 8	20°26	23°45	2°31	25°53	11°50	21°36	8°39	29°37	28°52	1°26	15°31	M27
T 28	10 57 2	16♓ 9'44	26♓52	6♓58	21♓41	24♓31	2♌27	25♏52	11♒53	21♐36	8♊39	29♌35	28♌49	1♓32	15♋30	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 9	2s31	2s41	21s59	0s41	16s46	1s20	11s 9	0s57	20n 0	0n58	17s 9	2n 5	18s19	0s38	22s 1	1n14	13n18	8s39	11n41	11n26	11s53	15n40	6s54
T 2	14 50	1n24	3 34	21 52	0 49	16 23	1 20	10 51	0 57	20 2	0 58	17 10	2 5	18 18	0 38	22 1	1 14	13 18	8 38	11 41	11 27	11 52	15 41	6 54
F 3	14 31	5 18	4 19	21 44	0 56	16 0	1 21	10 33	0 56	20 4	0 58	17 10	2 6	18 17	0 38	22 1	1 14	13 19	8 38	11 40	11 28	11 50	15 41	6 53
S 4	14 11	9 3	4 52	21 35	1 3	15 37	1 22	10 16	0 56	20 5	0 58	17 11	2 6	18 16	0 38	22 1	1 14	13 19	8 38	11 40	11 29	11 49	15 42	6 53
S 5	13 51	12 30	5 13	21 24	1 10	15 13	1 23	9 58	0 56	20 7	0 58	17 11	2 6	18 16	0 38	22 1	1 14	13 19	8 38	11 40	11 31	11 47	15 43	6 53
M 6	13 31	15 26	5 18	21 12	1 16	14 48	1 23	9 40	0 55	20 9	0 58	17 11	2 6	18 15	0 38	22 1	1 14	13 19	8 37	11 40	11 32	11 46	15 44	6 52
T 7	13 11	17 39	5 6	20 59	1 22	14 24	1 24	9 22	0 55	20 11	0 58	17 11	2 6	18 14	0 38	22 1	1 14	13 19	8 37	11 40	11 33	11 44	15 44	6 52
W 8	12 51	18 56	4 37	20 44	1 28	13 58	1 24	9 4	0 54	20 12	0 58	17 12	2 6	18 13	0 38	22 1	1 15	13 20	8 37	11 40	11 34	11 43	15 45	6 51
T 9	12 30	19 3	3 50	20 28	1 34	13 33	1 25	8 46	0 54	20 14	0 58	17 12	2 7	18 12	0 38	22 1	1 15	13 20	8 37	11 40	11 35	11 41	15 46	6 51
F 10	12 9	17 54	2 46	20 10	1 39	13 7	1 25	8 27	0 53	20 16	0 58	17 12	2 7	18 11	0 38	22 1	1 15	13 20	8 36	11 40	11 36	11 40	15 47	6 51
S 11	11 48	15 30	1 30	19 52	1 44	12 41	1 25	8 9	0 53	20 17	0 58	17 12	2 7	18 10	0 38	22 1	1 15	13 20	8 36	11 40	11 37	11 38	15 47	6 50
S 12	11 27	11 59	0 7	19 31	1 48	12 14	1 26	7 51	0 52	20 19	0 58	17 13	2 7	18 9	0 38	22 1	1 15	13 20	8 36	11 40	11 38	11 37	15 48	6 50
M13	11 6	7 39	1n17	19 10	1 52	11 47	1 26	7 33	0 52	20 20	0 58	17 13	2 7	18 8	0 38	22 1	1 15	13 21	8 36	11 40	11 40	11 35	15 49	6 49
T 14	10 44	2 53	2 35	18 47	1 56	11 20	1 26	7 14	0 52	20 22	0 58	17 13	2 7	18 7	0 38	22 1	1 15	13 21	8 36	11 40	11 41	11 34	15 50	6 49
W15	10 23	1s58	3 41	18 22	1 59	10 52	1 26	6 56	0 51	20 23	0 58	17 13	2 8	18 6	0 38	22 1	1 15	13 21	8 35	11 41	11 42	11 32	15 50	6 48
T 16	10 1	6 34	4 31	17 57	2 2	10 25	1 26	6 37	0 51	20 25	0 58	17 13	2 8	18 5	0 38	22 2	1 15	13 21	8 35	11 41	11 43	11 31	15 51	6 48
F 17	9 39	10 40	5 3	17 29	2 5	9 57	1 26	6 19	0 50	20 26	0 58	17 13	2 8	18 5	0 38	22 2	1 15	13 22	8 35	11 41	11 44	11 29	15 52	6 47
S 18	9 17	14 4	5 17	17 1	2 7	9 28	1 26	6 0	0 50	20 27	0 58	17 13	2 8	18 4	0 38	22 2	1 15	13 22	8 35	11 41	11 45	11 28	15 52	6 47
S 19	8 54	16 39	5 14	16 30	2 8	9 0	1 26	5 41	0 49	20 29	0 58	17 13	2 8	18 3	0 38	22 2	1 15	13 22	8 34	11 41	11 46	11 26	15 53	6 46
M20	8 32	18 20	4 56	15 59	2 10	8 31	1 25	5 23	0 49	20 30	0 58	17 13	2 9	18 2	0 39	22 2	1 15	13 22	8 34	11 41	11 47	11 25	15 54	6 46
T 21	8 9	19 6	4 24	15 26	2 11	8 2	1 25	5 4	0 48	20 31	0 58	17 13	2 9	18 1	0 39	22 2	1 15	13 23	8 34	11 41	11 48	11 23	15 55	6 45
W22	7 47	18 58	3 40	14 51	2 11	7 32	1 25	4 45	0 48	20 32	0 58	17 13	2 9	18 0	0 39	22 2	1 15	13 23	8 34	11 40	11 50	11 22	15 55	6 45
T 23	7 24	17 57	2 48	14 15	2 11	7 3	1 24	4 26	0 47	20 34	0 58	17 13	2 9	17 59	0 39	22 2	1 15	13 23	8 33	11 40	11 51	11 20	15 56	6 44
F 24	7 1	16 10	1 49	13 38	2 10	6 33	1 24	4 8	0 47	20 35	0 58	17 13	2 9	17 59	0 39	22 2	1 15	13 23	8 33	11 40	11 52	11 18	15 57	6 44
S 25	6 38	13 43	0 45	12 59	2 10	6 4	1 23	3 49	0 46	20 36	0 58	17 13	2 9	17 58	0 39	22 2	1 15	13 24	8 33	11 39	11 53	11 17	15 57	6 43
S 26	6 15	10 41	0s20	12 19	2 8	5 34	1 22	3 30	0 46	20 37	0 58	17 13	2 10	17 57	0 39	22 2	1 15	13 24	8 33	11 39	11 54	11 15	15 58	6 43
M27	5 52	7 14	1 24	11 38	2 6	5 3	1 22	3 11	0 45	20 38	0 58	17 13	2 10	17 56	0 39	22 2	1 15	13 24	8 32	11 40	11 55	11 14	15 59	6 42
T 28	5s29	3s28	2s25	10s55	2s 4	4s33	1s21	2s52	0s45	20n39	0n58	17s12	2n10	17s55	0s39	22s 2	1n15	13n24	8s32	11n40	11n56	11s12	15n59	6s42

Julian Day Number = 2145144.5, Delta T = 14m50s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'37, Lahiri = 12°09'38 Julian Calendar 1 Feb. 1161 == Greg. Calendar 8 Feb. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

MARCH 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 0 59	17♓ 9'19	8♈49	8♓48	22♓55	25♓17	2°R23	25°R52	11♒56	21♐37	8♊40	29°R33	28♌46	1♓39	15°R29	W 1
T 2	11 4 55	18° 8'53	20°55	10°41	24°10	26° 3	2♌19	25♏52	11°59	21°38	8°40	29♌30	28°43	1°45	15♋28	T 2
F 3	11 8 52	19° 8'24	3♉10	12°34	25°25	26°49	2°16	25°51	12° 2	21°38	8°40	29°27	28°39	1°52	15°27	F 3
S 4	11 12 48	20° 7'53	15°38	14°28	26°39	27°35	2°12	25°51	12° 5	21°38	8°41	29°24	28°36	1°59	15°27	S 4
S 5	11 16 45	21° 7'20	28°20	16°24	27°54	28°21	2° 9	25°50	12° 8	21°39	8°41	29°22	28°33	2° 5	15°26	S 5
M 6	11 20 41	22° 6'45	11♊19	18°21	29° 8	29° 7	2° 6	25°50	12°11	21°39	8°42	29°20	28°30	2°12	15°25	M 6
T 7	11 24 38	23° 6'07	24°38	20°19	0♈23	29°53	2° 3	25°49	12°14	21°40	8°42	29°D20	28°27	2°19	15°25	T 7
W 8	11 28 35	24° 5'27	8♋19	22°19	1°37	0♈39	2° 1	25°48	12°17	21°40	8°42	29°20	28°24	2°25	15°24	W 8
T 9	11 32 31	25° 4'44	22°22	24°19	2°52	1°24	1°58	25°47	12°20	21°40	8°43	29°22	28°20	2°32	15°24	T 9
F 10	11 36 28	26° 3'59	6♌48	26°20	4° 6	2°10	1°56	25°46	12°22	21°41	8°43	29°23	28°17	2°39	15°24	F 10
S 11	11 40 24	27° 3'12	21°33	28°22	5°20	2°56	1°54	25°45	12°25	21°41	8°44	29°24	28°14	2°45	15°24	S 11
S 12	11 44 21	28° 2'22	6♍33	0♈25	6°35	3°41	1°52	25°43	12°28	21°41	8°45	29°R24	28°11	2°52	15°D24	S 12
M13	11 48 17	29° 1'30	21°39	2°28	7°49	4°27	1°50	25°42	12°30	21°41	8°45	29°23	28° 8	2°59	15°24	M13
T 14	11 52 14	0♈ 0'36	6♎44	4°32	9° 3	5°12	1°48	25°40	12°33	21°41	8°46	29°20	28° 5	3° 5	15°24	T 14
W15	11 56 10	0°59'40	21°37	6°36	10°18	5°58	1°47	25°39	12°36	21°41	8°46	29°16	28° 1	3°12	15°24	W15
T 16	12 0 7	1°58'42	6♏11	8°40	11°32	6°43	1°46	25°37	12°38	21°41	8°47	29°11	27°58	3°18	15°25	T 16
F 17	12 4 3	2°57'42	20°19	10°43	12°46	7°29	1°45	25°35	12°41	21°R41	8°48	29° 6	27°55	3°25	15°25	F 17
S 18	12 8 0	3°56'41	4♐ 0	12°46	14° 1	8°14	1°44	25°34	12°43	21°41	8°48	29° 2	27°52	3°32	15°26	S 18
S 19	12 11 57	4°55'37	17°13	14°48	15°15	8°59	1°43	25°32	12°46	21°41	8°49	28°59	27°49	3°38	15°26	S 19
M20	12 15 53	5°54'32	29°59	16°48	16°29	9°45	1°43	25°30	12°48	21°41	8°50	28°57	27°45	3°45	15°27	M20
T 21	12 19 50	6°53'25	12♑25	18°47	17°43	10°30	1°43	25°28	12°50	21°41	8°50	28°D57	27°42	3°52	15°28	T 21
W22	12 23 46	7°52'16	24°33	20°44	18°57	11°15	1°D43	25°25	12°53	21°41	8°51	28°58	27°39	3°58	15°29	W22
T 23	12 27 43	8°51'06	6♒29	22°39	20°11	12° 0	1°43	25°23	12°55	21°41	8°52	29° 0	27°36	4° 5	15°30	T 23
F 24	12 31 39	9°49'53	18°17	24°30	21°25	12°45	1°43	25°21	12°57	21°41	8°53	29° 1	27°33	4°12	15°31	F 24
S 25	12 35 36	10°48'39	0♓ 3	26°19	22°40	13°30	1°44	25°18	13° 0	21°40	8°54	29°R 2	27°30	4°18	15°32	S 25
S 26	12 39 32	11°47'23	11°50	28° 4	23°54	14°15	1°44	25°16	13° 2	21°40	8°54	29° 1	27°26	4°25	15°34	S 26
M27	12 43 29	12°46'05	23°42	29°46	25° 8	15° 0	1°45	25°13	13° 4	21°40	8°55	28°58	27°23	4°32	15°35	M27
T 28	12 47 26	13°44'45	5♈42	1♉23	26°22	15°45	1°46	25°10	13° 6	21°40	8°56	28°53	27°20	4°38	15°37	T 28
W29	12 51 22	14°43'23	17°50	2°57	27°36	16°30	1°47	25° 8	13° 8	21°39	8°57	28°46	27°17	4°45	15°38	W29
T 30	12 55 19	15°42'00	0♉10	4°26	28°50	17°15	1°49	25° 5	13°10	21°39	8°58	28°38	27°14	4°52	15°40	T 30
F 31	12 59 15	16♈40'34	12♉40	5♉50	0♉ 4	17♈59	1♌50	25♏ 2	13♒12	21♐38	8♊59	28♌29	27♌10	4♓58	15♋42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	5s 6	0n27	3s20	10s10	2s 1	4s 3	1s20	2s33	0s44	20n39	0n58	17s12	2n10	17s54	0s39	22s 2	1n15	13n25	8s32	11n41	11n57	11s11	16n 0	6s41	W 1
T 2	4 42	4 23	4 7	9 24	1 57	3 32	1 19	2 15	0 44	20 40	0 58	17 12	2 10	17 54	0 39	22 2	1 15	13 25	8 32	11 42	11 58	11 9	16 1	6 40	T 2
F 3	4 19	8 11	4 43	8 37	1 54	3 2	1 18	1 56	0 43	20 41	0 58	17 12	2 10	17 53	0 39	22 2	1 15	13 25	8 32	11 43	12 0	11 8	16 1	6 40	F 3
S 4	3 56	11 42	5 6	7 49	1 49	2 31	1 17	1 37	0 42	20 42	0 58	17 11	2 11	17 52	0 39	22 2	1 15	13 26	8 31	11 44	12 1	11 6	16 2	6 39	S 4
S 5	3 32	14 45	5 15	6 59	1 44	2 0	1 16	1 18	0 42	20 42	0 58	17 11	2 11	17 51	0 39	22 2	1 15	13 26	8 31	11 45	12 2	11 4	16 3	6 39	S 5
M 6	3 9	17 8	5 9	6 8	1 39	1 30	1 15	0 59	0 41	20 43	0 58	17 11	2 11	17 50	0 39	22 2	1 15	13 26	8 31	11 45	12 3	11 3	16 3	6 38	M 6
T 7	2 45	18 41	4 45	5 16	1 32	0 59	1 14	0 40	0 41	20 44	0 58	17 11	2 11	17 50	0 39	22 2	1 15	13 26	8 31	11 45	12 4	11 1	16 4	6 38	T 7
W 8	2 21	19 12	4 5	4 23	1 26	0 28	1 13	0 22	0 40	20 44	0 58	17 10	2 11	17 49	0 39	22 2	1 15	13 27	8 30	11 45	12 5	11 0	16 5	6 37	W 8
T 9	1 58	18 33	3 10	3 28	1 19	0n 3	1 11	0 3	0 40	20 45	0 58	17 10	2 11	17 48	0 39	22 2	1 15	13 27	8 30	11 45	12 6	10 58	16 5	6 36	T 9
F 10	1 34	16 42	2 1	2 33	1 11	0 34	1 10	0n16	0 39	20 45	0 58	17 9	2 11	17 47	0 39	22 2	1 16	13 27	8 30	11 44	12 7	10 57	16 6	6 36	F 10
S 11	1 11	13 42	0 43	1 37	1 3	1 5	1 9	0 35	0 39	20 46	0 58	17 9	2 12	17 47	0 39	22 2	1 16	13 28	8 30	11 44	12 8	10 55	16 6	6 35	S 11
S 12	0 47	9 45	0n39	0 40	0 54	1 36	1 7	0 53	0 38	20 46	0 57	17 8	2 12	17 46	0 39	22 2	1 16	13 28	8 30	11 44	12 10	10 53	16 7	6 35	S 12
M13	0 23	5 9	1 59	0n18	0 45	2 7	1 6	1 12	0 37	20 46	0 57	17 8	2 12	17 45	0 39	22 2	1 16	13 28	8 29	11 44	12 11	10 52	16 8	6 34	M13
T 14	0n 0	0 14	3 11	1 16	0 35	2 37	1 4	1 31	0 37	20 47	0 57	17 8	2 12	17 44	0 39	22 2	1 16	13 28	8 29	11 45	12 12	10 50	16 8	6 34	T 14
W15	0 24	4s38	4 8	2 15	0 25	3 8	1 2	1 49	0 36	20 47	0 57	17 7	2 12	17 44	0 39	22 2	1 16	13 29	8 29	11 47	12 13	10 49	16 9	6 33	W15
T 16	0 47	9 6	4 48	3 13	0 15	3 39	1 1	2 8	0 36	20 47	0 57	17 6	2 12	17 43	0 39	22 1	1 16	13 29	8 29	11 49	12 14	10 47	16 9	6 32	T 16
F 17	1 11	12 56	5 9	4 12	0 4	4 10	0 59	2 27	0 35	20 47	0 57	17 6	2 13	17 42	0 39	22 1	1 16	13 29	8 28	11 50	12 15	10 45	16 10	6 32	F 17
S 18	1 34	15 57	5 11	5 10	0n 7	4 40	0 57	2 45	0 35	20 47	0 57	17 5	2 13	17 42	0 39	22 1	1 16	13 30	8 28	11 52	12 16	10 44	16 10	6 31	S 18
S 19	1 58	18 0	4 57	6 8	0 18	5 11	0 56	3 4	0 34	20 47	0 57	17 5	2 13	17 41	0 39	22 1	1 16	13 30	8 28	11 53	12 17	10 42	16 11	6 31	S 19
M20	2 21	19 5	4 28	7 6	0 30	5 41	0 54	3 22	0 33	20 48	0 57	17 4	2 13	17 40	0 39	22 1	1 16	13 30	8 28	11 53	12 18	10 41	16 11	6 30	M20
T 21	2 45	19 12	3 47	8 2	0 41	6 11	0 52	3 40	0 33	20 47	0 57	17 4	2 13	17 40	0 39	22 1	1 16	13 31	8 28	11 53	12 19	10 39	16 12	6 29	T 21
W22	3 8	18 24	2 57	8 57	0 53	6 41	0 50	3 59	0 32	20 47	0 57	17 3	2 13	17 39	0 39	22 1	1 16	13 31	8 27	11 53	12 21	10 37	16 12	6 29	W22
T 23	3 31	16 48	2 0	9 50	1 4	7 11	0 48	4 17	0 32	20 47	0 57	17 2	2 13	17 38	0 39	22 1	1 16	13 31	8 27	11 52	12 22	10 36	16 13	6 28	T 23
F 24	3 55	14 30	0 58	10 42	1 15	7 41	0 46	4 35	0 31	20 47	0 57	17 2	2 13	17 38	0 39	22 1	1 16	13 32	8 27	11 52	12 23	10 34	16 13	6 28	F 24
S 25	4 18	11 35	0s 6	11 32	1 26	8 11	0 44	4 53	0 30	20 47	0 57	17 1	2 14	17 37	0 39	22 1	1 16	13 32	8 27	11 52	12 24	10 33	16 14	6 27	S 25
S 26	4 41	8 13	1 9	12 20	1 37	8 40	0 42	5 11	0 30	20 47	0 57	17 0	2 14	17 37	0 39	22 1	1 16	13 32	8 27	11 52	12 25	10 31	16 14	6 26	S 26
M27	5 4	4 30	2 10	13 6	1 47	9 9	0 40	5 29	0 29	20 46	0 56	16 59	2 14	17 36	0 39	22 1	1 16	13 33	8 26	11 53	12 26	10 29	16 15	6 26	M27
T 28	5 27	0 34	3 5	13 50	1 57	9 38	0 37	5 47	0 29	20 46	0 56	16 59	2 14	17 35	0 39	22 1	1 16	13 33	8 26	11 55	12 27	10 28	16 15	6 25	T 28
W29	5 50	3n26	3 53	14 31	2 6	10 7	0 35	6 5	0 28	20 46	0 56	16 58	2 14	17 35	0 39	22 1	1 16	13 33	8 26	11 57	12 28	10 26	16 15	6 25	W29
T 30	6 12	7 21	4 31	15 9	2 14	10 36	0 33	6 23	0 27	20 45	0 56	16 57	2 14	17 34	0 40	22 1	1 16	13 34	8 26	12 0	12 29	10 25	16 16	6 24	T 30
F 31	6n35	11n 1	4s56	15n45	2n22	11n 4	0s31	6n40	0s27	20n45	0n56	16s56	2n14	17s34	0s40	22s 1	1n16	13n34	8s26	12n 3	12n30	10s23	16n16	6s23	F 31

Julian Day Number = 2145172.5, Delta T = 14m50s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'41, Lahiri = 12°09'42 Julian Calendar 1 March 1161 == Greg. Calendar 8 March 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

APRIL 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 12	17♈39'06	25♉23	7♉10	1♉18	18♈44	1♌52	24°R59	13♒14	21°R38	9♊ 0	28°R21	27♌ 7	5♓ 5	15♋44	S 1
S 2	13 7 8	18°37'36	8♊18	8°25	2°31	19°29	1°54	24♏56	13°16	21♐37	9° 1	28♌13	27° 4	5°11	15°46	S 2
M 3	13 11 5	19°36'04	21°27	9°35	3°45	20°13	1°56	24°53	13°18	21°37	9° 2	28° 8	27° 1	5°18	15°48	M 3
T 4	13 15 1	20°34'30	4♋50	10°40	4°59	20°58	1°59	24°49	13°20	21°36	9° 3	28° 4	26°58	5°25	15°50	T 4
W 5	13 18 58	21°32'54	18°27	11°39	6°13	21°42	2° 1	24°46	13°21	21°36	9° 4	28°D 3	26°55	5°31	15°53	W 5
T 6	13 22 55	22°31'15	2♌21	12°34	7°27	22°27	2° 4	24°43	13°23	21°35	9° 5	28° 4	26°51	5°38	15°55	T 6
F 7	13 26 51	23°29'34	16°31	13°23	8°40	23°11	2° 7	24°39	13°25	21°35	9° 6	28° 4	26°48	5°45	15°57	F 7
S 8	13 30 48	24°27'51	0♍57	14° 6	9°54	23°55	2°10	24°36	13°26	21°34	9° 7	28°R 5	26°45	5°51	16° 0	S 8
S 9	13 34 44	25°26'06	15°35	14°45	11° 8	24°40	2°13	24°32	13°28	21°33	9° 8	28° 3	26°42	5°58	16° 3	S 9
M10	13 38 41	26°24'19	0♎20	15°17	12°22	25°24	2°17	24°29	13°30	21°32	9° 9	28° 0	26°39	6° 5	16° 5	M10
T 11	13 42 37	27°22'30	15° 8	15°44	13°35	26° 8	2°20	24°25	13°31	21°32	9°10	27°54	26°36	6°11	16° 8	T 11
W12	13 46 34	28°20'39	29°49	16° 6	14°49	26°52	2°24	24°21	13°33	21°31	9°11	27°46	26°32	6°18	16°11	W12
T 13	13 50 30	29°18'47	14♏16	16°22	16° 2	27°36	2°28	24°18	13°34	21°30	9°12	27°37	26°29	6°25	16°14	T 13
F 14	13 54 27	0♉16'52	28°22	16°32	17°16	28°20	2°32	24°14	13°35	21°29	9°13	27°27	26°26	6°31	16°17	F 14
S 15	13 58 23	1°14'57	12♐ 4	16°R38	18°30	29° 4	2°36	24°10	13°37	21°28	9°14	27°18	26°23	6°38	16°20	S 15
S 16	14 2 20	2°13'00	25°20	16°38	19°43	29°48	2°40	24° 6	13°38	21°28	9°15	27°10	26°20	6°44	16°24	S 16
M17	14 6 17	3°11'01	8♑10	16°32	20°57	0♉32	2°45	24° 2	13°39	21°27	9°17	27° 5	26°16	6°51	16°27	M17
T 18	14 10 13	4° 9'01	20°38	16°23	22°10	1°16	2°50	23°58	13°41	21°26	9°18	27° 3	26°13	6°58	16°30	T 18
W19	14 14 10	5° 6'59	2♒48	16° 8	23°23	1°59	2°55	23°54	13°42	21°25	9°19	27°D 2	26°10	7° 4	16°34	W19
T 20	14 18 6	6° 4'57	14°44	15°49	24°37	2°43	3° 0	23°50	13°43	21°24	9°20	27° 2	26° 7	7°11	16°37	T 20
F 21	14 22 3	7° 2'52	26°34	15°27	25°50	3°27	3° 5	23°46	13°44	21°23	9°21	27°R 2	26° 4	7°18	16°41	F 21
S 22	14 25 59	8° 0'47	8♓21	15° 0	27° 4	4°10	3°10	23°41	13°45	21°22	9°23	27° 2	26° 1	7°24	16°45	S 22
S 23	14 29 56	8°58'40	20°11	14°31	28°17	4°54	3°16	23°37	13°46	21°21	9°24	26°59	25°57	7°31	16°49	S 23
M24	14 33 52	9°56'32	2♈ 8	14° 0	29°30	5°37	3°21	23°33	13°47	21°20	9°25	26°54	25°54	7°38	16°52	M24
T 25	14 37 49	10°54'22	14°15	13°27	0♊44	6°21	3°27	23°29	13°48	21°18	9°26	26°47	25°51	7°44	16°56	T 25
W26	14 41 46	11°52'11	26°35	12°52	1°57	7° 4	3°33	23°24	13°48	21°17	9°27	26°37	25°48	7°51	17° 0	W26
T 27	14 45 42	12°49'59	9♉10	12°17	3°10	7°47	3°39	23°20	13°49	21°16	9°29	26°25	25°45	7°58	17° 5	T 27
F 28	14 49 39	13°47'45	22° 0	11°41	4°23	8°31	3°45	23°16	13°50	21°15	9°30	26°13	25°42	8° 4	17° 9	F 28
S 29	14 53 35	14°45'30	5♊ 3	11° 7	5°36	9°14	3°52	23°11	13°51	21°14	9°31	26° 0	25°38	8°11	17°13	S 29
S 30	14 57 32	15♉43'13	18♊19	10♉33	6♊50	9♉57	3♌58	23♏ 7	13♒51	21♐12	9♊33	25♌49	25♌35	8♓18	17♋17	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n57	14n13	5s 7	16n18	2n29	11n32	0s28	6n58	0s26	20n44	0n56	16s55	2n14	17s33	0s40	22s 1	1n16	13n34	8s25	12n 6	12n31	10s21	16n17	6s23
S 2	7 20	16 48	5 3	16 49	2 35	12 0	0 26	7 16	0 26	20 44	0 56	16 55	2 14	17 33	0 40	22 1	1 16	13 34	8 25	12 9	12 33	10 20	16 17	6 22
M 3	7 42	18 34	4 43	17 17	2 40	12 27	0 24	7 33	0 25	20 43	0 56	16 54	2 15	17 32	0 40	22 1	1 16	13 35	8 25	12 11	12 34	10 18	16 17	6 22
T 4	8 4	19 21	4 7	17 41	2 45	12 54	0 21	7 50	0 24	20 43	0 56	16 53	2 15	17 32	0 40	22 1	1 16	13 35	8 25	12 12	12 35	10 16	16 18	6 21
W 5	8 26	19 1	3 16	18 3	2 48	13 21	0 19	8 8	0 24	20 42	0 56	16 52	2 15	17 31	0 40	22 0	1 16	13 35	8 25	12 12	12 36	10 15	16 18	6 21
T 6	8 48	17 33	2 14	18 23	2 50	13 48	0 16	8 25	0 23	20 41	0 56	16 51	2 15	17 31	0 40	22 0	1 16	13 36	8 24	12 12	12 37	10 13	16 18	6 20
F 7	9 10	14 58	1 2	18 39	2 52	14 14	0 14	8 42	0 23	20 41	0 56	16 50	2 15	17 30	0 40	22 0	1 16	13 36	8 24	12 12	12 38	10 11	16 18	6 19
S 8	9 31	11 26	0n15	18 52	2 52	14 40	0 11	8 59	0 22	20 40	0 55	16 49	2 15	17 30	0 40	22 0	1 16	13 36	8 24	12 12	12 39	10 10	16 19	6 19
S 9	9 53	7 8	1 32	19 3	2 51	15 6	0 9	9 16	0 21	20 39	0 55	16 48	2 15	17 29	0 40	22 0	1 16	13 37	8 24	12 12	12 40	10 8	16 19	6 18
M10	10 14	2 22	2 44	19 11	2 49	15 31	0 7	9 33	0 21	20 38	0 55	16 47	2 15	17 29	0 40	22 0	1 17	13 37	8 24	12 13	12 41	10 6	16 19	6 18
T 11	10 35	2s32	3 44	19 16	2 46	15 55	0 4	9 49	0 20	20 37	0 55	16 46	2 15	17 29	0 40	22 0	1 17	13 37	8 24	12 15	12 42	10 5	16 19	6 17
W12	10 56	7 15	4 29	19 18	2 41	16 20	0 1	10 6	0 19	20 36	0 55	16 46	2 15	17 28	0 40	22 0	1 17	13 38	8 23	12 18	12 43	10 3	16 20	6 17
T 13	11 17	11 28	4 56	19 17	2 36	16 44	0n 1	10 22	0 19	20 35	0 55	16 45	2 15	17 28	0 40	22 0	1 17	13 38	8 23	12 21	12 45	10 2	16 20	6 16
F 14	11 37	14 56	5 4	19 14	2 29	17 7	0 4	10 39	0 18	20 34	0 55	16 44	2 15	17 27	0 40	22 0	1 17	13 38	8 23	12 25	12 46	10 0	16 20	6 15
S 15	11 58	17 28	4 54	19 8	2 21	17 30	0 6	10 55	0 18	20 33	0 55	16 43	2 15	17 27	0 40	22 0	1 17	13 39	8 23	12 28	12 47	9 58	16 20	6 15
S 16	12 18	18 59	4 29	18 59	2 12	17 53	0 9	11 11	0 17	20 32	0 55	16 42	2 15	17 27	0 40	22 0	1 17	13 39	8 23	12 30	12 48	9 57	16 20	6 14
M17	12 38	19 28	3 50	18 47	2 1	18 15	0 11	11 27	0 16	20 31	0 55	16 41	2 15	17 26	0 40	22 0	1 17	13 39	8 23	12 32	12 49	9 55	16 21	6 14
T 18	12 58	18 58	3 1	18 34	1 50	18 37	0 14	11 43	0 16	20 30	0 55	16 40	2 15	17 26	0 40	21 59	1 17	13 40	8 23	12 33	12 50	9 53	16 21	6 13
W19	13 17	17 35	2 6	18 17	1 37	18 58	0 16	11 59	0 15	20 29	0 55	16 39	2 16	17 26	0 40	21 59	1 17	13 40	8 22	12 33	12 51	9 51	16 21	6 13
T 20	13 36	15 27	1 5	17 59	1 23	19 19	0 19	12 15	0 14	20 28	0 55	16 37	2 16	17 26	0 40	21 59	1 17	13 40	8 22	12 33	12 52	9 50	16 21	6 12
F 21	13 56	12 41	0 3	17 38	1 9	19 39	0 22	12 30	0 14	20 26	0 54	16 36	2 16	17 25	0 40	21 59	1 17	13 41	8 22	12 33	12 53	9 48	16 21	6 12
S 22	14 15	9 24	1s 0	17 16	0 53	19 59	0 24	12 46	0 13	20 25	0 54	16 35	2 16	17 25	0 40	21 59	1 17	13 41	8 22	12 33	12 54	9 46	16 21	6 11
S 23	14 33	5 45	2 0	16 52	0 37	20 18	0 27	13 1	0 13	20 24	0 54	16 34	2 16	17 25	0 40	21 59	1 17	13 41	8 22	12 34	12 55	9 45	16 21	6 11
M24	14 52	1 50	2 55	16 26	0 21	20 37	0 29	13 16	0 12	20 22	0 54	16 33	2 16	17 25	0 40	21 59	1 17	13 42	8 22	12 36	12 56	9 43	16 21	6 10
T 25	15 10	2n13	3 43	16 0	0 4	20 55	0 32	13 31	0 11	20 21	0 54	16 32	2 16	17 24	0 40	21 59	1 17	13 42	8 22	12 39	12 58	9 41	16 21	6 10
W26	15 28	6 14	4 21	15 33	0s14	21 12	0 34	13 46	0 11	20 19	0 54	16 31	2 16	17 24	0 40	21 59	1 17	13 42	8 21	12 42	12 59	9 40	16 21	6 9
T 27	15 46	10 4	4 48	15 6	0 31	21 29	0 37	14 1	0 10	20 18	0 54	16 30	2 16	17 24	0 41	21 59	1 17	13 42	8 21	12 46	13 0	9 38	16 21	6 9
F 28	16 3	13 31	5 0	14 38	0 49	21 45	0 39	14 15	0 9	20 16	0 54	16 29	2 16	17 24	0 41	21 59	1 17	13 43	8 21	12 50	13 1	9 36	16 21	6 8
S 29	16 20	16 21	4 57	14 11	1 6	22 1	0 42	14 30	0 9	20 15	0 54	16 28	2 16	17 24	0 41	21 58	1 17	13 43	8 21	12 54	13 2	9 35	16 21	6 8
S 30	16n37	18n24	4s39	13n45	1s22	22n16	0n44	14n44	0s 8	20n13	0n54	16s27	2n16	17s23	0s41	21s58	1n17	13n43	8s21	12n58	13n 3	9s33	16n21	6s 7

Julian Day Number = 2145203.5, Delta T = 14m50s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'45, Lahiri = 12°09'46 Julian Calendar 1 Apr. 1161 == Greg. Calendar 8 Apr. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

MAY 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 1 28	16♉40'55	1♋46	10°R 1	8♊ 3	10♉40	4♌ 5	23°R 3	13♒52	21°R11	9♊34	25°R41	25♌32	8♓24	17♋22	M 1
T 2	15 5 25	17°38'36	15°23	9♉32	9°16	11°23	4°12	22♏58	13°52	21♐10	9°35	25♌35	25°29	8°31	17°26	T 2
W 3	15 9 21	18°36'15	29° 9	9° 5	10°29	12° 6	4°19	22°54	13°53	21° 9	9°37	25°33	25°26	8°38	17°31	W 3
T 4	15 13 18	19°33'52	13♌ 5	8°41	11°42	12°49	4°26	22°49	13°53	21° 7	9°38	25°32	25°22	8°44	17°35	T 4
F 5	15 17 15	20°31'28	27° 8	8°21	12°55	13°32	4°33	22°45	13°54	21° 6	9°39	25°32	25°19	8°51	17°40	F 5
S 6	15 21 11	21°29'02	11♍20	8° 5	14° 8	14°15	4°40	22°40	13°54	21° 5	9°41	25°31	25°16	8°57	17°45	S 6
S 7	15 25 8	22°26'34	25°38	7°52	15°21	14°58	4°48	22°36	13°54	21° 3	9°42	25°29	25°13	9° 4	17°50	S 7
M 8	15 29 4	23°24'05	10♎ 0	7°44	16°34	15°41	4°55	22°32	13°54	21° 2	9°43	25°24	25°10	9°11	17°55	M 8
T 9	15 33 1	24°21'35	24°23	7°D40	17°47	16°23	5° 3	22°27	13°55	21° 1	9°45	25°17	25° 7	9°17	18° 0	T 9
W10	15 36 57	25°19'03	8♏40	7°41	18°59	17° 6	5°11	22°23	13°55	20°59	9°46	25° 7	25° 3	9°24	18° 5	W10
T 11	15 40 54	26°16'31	22°47	7°46	20°12	17°48	5°19	22°18	13°55	20°58	9°47	24°56	25° 0	9°31	18°10	T 11
F 12	15 44 50	27°13'57	6♐38	7°56	21°25	18°31	5°27	22°14	13°R55	20°56	9°49	24°44	24°57	9°37	18°15	F 12
S 13	15 48 47	28°11'23	20° 9	8°10	22°38	19°13	5°35	22° 9	13°55	20°55	9°50	24°33	24°54	9°44	18°20	S 13
S 14	15 52 44	29° 8'47	3♑19	8°28	23°51	19°56	5°43	22° 5	13°55	20°53	9°51	24°24	24°51	9°51	18°25	S 14
M15	15 56 40	0♊ 6'11	16° 6	8°51	25° 3	20°38	5°52	22° 1	13°55	20°52	9°53	24°17	24°47	9°57	18°31	M15
T 16	16 0 37	1° 3'34	28°33	9°19	26°16	21°21	6° 0	21°56	13°54	20°50	9°54	24°12	24°44	10° 4	18°36	T 16
W17	16 4 33	2° 0'56	10♒43	9°50	27°29	22° 3	6° 9	21°52	13°54	20°49	9°56	24°10	24°41	10°11	18°41	W17
T 18	16 8 30	2°58'17	22°41	10°26	28°41	22°45	6°17	21°48	13°54	20°47	9°57	24°D10	24°38	10°17	18°47	T 18
F 19	16 12 26	3°55'38	4♓32	11° 6	29°54	23°27	6°26	21°43	13°54	20°46	9°58	24°R10	24°35	10°24	18°52	F 19
S 20	16 16 23	4°52'59	16°20	11°49	1♋ 6	24° 9	6°35	21°39	13°53	20°44	10° 0	24° 9	24°32	10°31	18°58	S 20
S 21	16 20 19	5°50'18	28°13	12°37	2°19	24°51	6°44	21°35	13°53	20°43	10° 1	24° 7	24°28	10°37	19° 4	S 21
M22	16 24 16	6°47'38	10♈13	13°28	3°31	25°34	6°54	21°31	13°52	20°41	10° 3	24° 3	24°25	10°44	19° 9	M22
T 23	16 28 13	7°44'57	22°27	14°23	4°44	26°15	7° 3	21°26	13°52	20°40	10° 4	23°57	24°22	10°51	19°15	T 23
W24	16 32 9	8°42'15	4♉57	15°22	5°56	26°57	7°12	21°22	13°51	20°38	10° 5	23°48	24°19	10°57	19°21	W24
T 25	16 36 6	9°39'33	17°45	16°24	7° 8	27°39	7°22	21°18	13°51	20°37	10° 7	23°37	24°16	11° 4	19°27	T 25
F 26	16 40 2	10°36'50	0♊51	17°30	8°21	28°21	7°31	21°14	13°50	20°35	10° 8	23°25	24°13	11°10	19°33	F 26
S 27	16 43 59	11°34'07	14°15	18°40	9°33	29° 3	7°41	21°10	13°49	20°33	10°10	23°14	24° 9	11°17	19°39	S 27
S 28	16 47 55	12°31'23	27°55	19°52	10°45	29°45	7°51	21° 6	13°49	20°32	10°11	23° 3	24° 6	11°24	19°45	S 28
M29	16 51 52	13°28'39	11♋46	21° 8	11°58	0♊26	8° 1	21° 2	13°48	20°30	10°13	22°56	24° 3	11°30	19°51	M29
T 30	16 55 48	14°25'54	25°46	22°27	13°10	1° 8	8°11	20°58	13°47	20°29	10°14	22°50	24° 0	11°37	19°57	T 30
W31	16 59 45	15♊23'08	9♌51	23♉50	14♋22	1♊49	8♌21	20♏54	13♒46	20♐27	10♊15	22♌48	23♌57	11♓44	20♋ 3	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n54	19n28	4s 4	13n20	1s39	22n31	0n47	14n58	0s 8	20n11	0n54	16s26	2n16	17s23	0s41	21s58	1n17	13n44	8s21	13n 1	13n 4	9s31	16n21	6s 7
T 2	17 10	19 25	3 15	12 56	1 54	22 45	0 49	15 12	0 7	20 10	0 54	16 25	2 16	17 23	0 41	21 58	1 17	13 44	8 21	13 3	13 5	9 29	16 21	6 6
W 3	17 26	18 13	2 15	12 33	2 9	22 58	0 51	15 26	0 6	20 8	0 54	16 24	2 16	17 23	0 41	21 58	1 17	13 44	8 21	13 4	13 6	9 28	16 21	6 6
T 4	17 42	15 55	1 5	12 12	2 23	23 11	0 54	15 40	0 6	20 6	0 53	16 23	2 15	17 23	0 41	21 58	1 17	13 45	8 20	13 4	13 7	9 26	16 21	6 5
F 5	17 58	12 39	0n 9	11 54	2 36	23 23	0 56	15 54	0 5	20 4	0 53	16 21	2 15	17 23	0 41	21 58	1 17	13 45	8 20	13 4	13 8	9 24	16 20	6 5
S 6	18 13	8 37	1 23	11 37	2 48	23 34	0 58	16 7	0 4	20 3	0 53	16 20	2 15	17 23	0 41	21 58	1 17	13 45	8 20	13 4	13 9	9 23	16 20	6 4
S 7	18 28	4 4	2 32	11 23	2 59	23 44	1 1	16 20	0 4	20 1	0 53	16 19	2 15	17 23	0 41	21 58	1 17	13 45	8 20	13 5	13 10	9 21	16 20	6 4
M 8	18 42	0s44	3 32	11 11	3 8	23 54	1 3	16 33	0 3	19 59	0 53	16 18	2 15	17 23	0 41	21 58	1 17	13 46	8 20	13 7	13 11	9 19	16 20	6 4
T 9	18 57	5 29	4 19	11 1	3 17	24 4	1 5	16 46	0 2	19 57	0 53	16 17	2 15	17 23	0 41	21 57	1 17	13 46	8 20	13 9	13 13	9 17	16 20	6 3
W10	19 11	9 54	4 49	10 54	3 25	24 12	1 7	16 59	0 2	19 55	0 53	16 16	2 15	17 23	0 41	21 57	1 17	13 46	8 20	13 12	13 14	9 16	16 20	6 3
T 11	19 24	13 42	5 0	10 50	3 31	24 20	1 9	17 12	0 1	19 53	0 53	16 15	2 15	17 23	0 41	21 57	1 17	13 47	8 20	13 16	13 15	9 14	16 19	6 2
F 12	19 38	16 41	4 54	10 48	3 36	24 27	1 11	17 24	0 1	19 51	0 53	16 14	2 15	17 23	0 41	21 57	1 17	13 47	8 20	13 20	13 16	9 12	16 19	6 2
S 13	19 51	18 40	4 32	10 48	3 41	24 34	1 13	17 37	0n 0	19 49	0 53	16 13	2 15	17 23	0 41	21 57	1 17	13 47	8 20	13 24	13 17	9 11	16 19	6 2
S 14	20 3	19 35	3 55	10 51	3 44	24 40	1 15	17 49	0 1	19 47	0 53	16 12	2 15	17 23	0 41	21 57	1 17	13 47	8 20	13 27	13 18	9 9	16 18	6 1
M15	20 16	19 28	3 7	10 57	3 46	24 45	1 17	18 1	0 1	19 45	0 53	16 11	2 15	17 23	0 41	21 57	1 17	13 48	8 19	13 29	13 19	9 7	16 18	6 1
T 16	20 28	18 24	2 11	11 4	3 47	24 49	1 19	18 13	0 2	19 42	0 53	16 10	2 15	17 23	0 41	21 57	1 17	13 48	8 19	13 31	13 20	9 5	16 18	6 0
W17	20 39	16 29	1 11	11 14	3 48	24 52	1 21	18 24	0 3	19 40	0 53	16 9	2 15	17 23	0 41	21 57	1 17	13 48	8 19	13 31	13 21	9 4	16 17	6 0
T 18	20 51	13 53	0 8	11 25	3 47	24 55	1 23	18 36	0 3	19 38	0 53	16 8	2 15	17 23	0 41	21 56	1 17	13 48	8 19	13 32	13 22	9 2	16 17	6 0
F 19	21 2	10 45	0s55	11 39	3 45	24 58	1 25	18 47	0 4	19 36	0 53	16 7	2 14	17 23	0 41	21 56	1 17	13 49	8 19	13 32	13 23	9 0	16 17	5 59
S 20	21 12	7 11	1 55	11 55	3 43	24 59	1 26	18 58	0 5	19 33	0 53	16 6	2 14	17 24	0 41	21 56	1 17	13 49	8 19	13 32	13 24	8 58	16 16	5 59
S 21	21 23	3 19	2 50	12 12	3 40	25 0	1 28	19 9	0 5	19 31	0 52	16 5	2 14	17 24	0 41	21 56	1 17	13 49	8 19	13 32	13 25	8 57	16 16	5 59
M22	21 32	0n43	3 39	12 31	3 36	25 0	1 30	19 20	0 6	19 29	0 52	16 4	2 14	17 24	0 41	21 56	1 17	13 49	8 19	13 34	13 26	8 55	16 16	5 58
T 23	21 42	4 47	4 18	12 52	3 31	24 59	1 31	19 30	0 6	19 26	0 52	16 3	2 14	17 24	0 42	21 56	1 17	13 50	8 19	13 36	13 27	8 53	16 15	5 58
W24	21 51	8 44	4 46	13 14	3 25	24 57	1 33	19 41	0 7	19 24	0 52	16 2	2 14	17 24	0 42	21 56	1 17	13 50	8 19	13 39	13 29	8 51	16 15	5 57
T 25	22 0	12 23	5 0	13 38	3 19	24 55	1 34	19 51	0 8	19 21	0 52	16 1	2 14	17 24	0 42	21 56	1 17	13 50	8 19	13 43	13 30	8 50	16 14	5 57
F 26	22 8	15 32	4 59	14 3	3 12	24 52	1 36	20 1	0 8	19 19	0 52	16 0	2 14	17 25	0 42	21 56	1 17	13 50	8 19	13 46	13 31	8 48	16 14	5 57
S 27	22 16	17 57	4 42	14 29	3 5	24 49	1 37	20 11	0 9	19 16	0 52	15 59	2 14	17 25	0 42	21 55	1 17	13 51	8 19	13 50	13 32	8 46	16 13	5 57
S 28	22 24	19 23	4 9	14 56	2 57	24 44	1 38	20 20	0 10	19 14	0 52	15 58	2 13	17 25	0 42	21 55	1 17	13 51	8 19	13 54	13 33	8 44	16 13	5 56
M29	22 31	19 42	3 20	15 25	2 49	24 39	1 39	20 30	0 10	19 11	0 52	15 57	2 13	17 25	0 42	21 55	1 17	13 51	8 19	13 56	13 34	8 43	16 12	5 56
T 30	22 38	18 49	2 19	15 54	2 40	24 33	1 40	20 39	0 11	19 8	0 52	15 56	2 13	17 26	0 42	21 55	1 17	13 51	8 19	13 58	13 35	8 41	16 11	5 56
W31	22n44	16n46	1s 8	16n23	2s30	24n27	1n41	20n48	0n11	19n 6	0n52	15s55	2n13	17s26	0s42	21s55	1n17	13n52	8s19	13n59	13n36	8s39	16n11	5s55

Julian Day Number = 2145233.5, Delta T = 14m49s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'49, Lahiri = 12°09'50 Julian Calendar 1 May 1161 == Greg. Calendar 8 May 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

JUNE 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 3 42	16♊20'21	23♌59	25♉16	15♋34	2♊31	8♌31	20°R50	13°R45	20°R25	10♊17	22°D47	23♌53	11♓50	20♋ 9	T 1
F 2	17 7 38	17°17'34	8♍ 8	26°45	16°46	3°12	8°41	20♏47	13♒44	20♐24	10°18	22♌48	23°50	11°57	20°15	F 2
S 3	17 11 35	18°14'46	22°16	28°17	17°58	3°54	8°51	20°43	13°43	20°22	10°20	22°R48	23°47	12° 4	20°22	S 3
S 4	17 15 31	19°11'58	6♎23	29°52	19°10	4°35	9° 2	20°39	13°42	20°21	10°21	22°47	23°44	12°10	20°28	S 4
M 5	17 19 28	20° 9'08	20°28	1♊31	20°22	5°16	9°12	20°36	13°41	20°19	10°22	22°43	23°41	12°17	20°34	M 5
T 6	17 23 24	21° 6'19	4♏27	3°12	21°34	5°58	9°23	20°32	13°40	20°17	10°24	22°38	23°38	12°24	20°41	T 6
W 7	17 27 21	22° 3'29	18°18	4°56	22°46	6°39	9°33	20°29	13°39	20°16	10°25	22°30	23°34	12°30	20°47	W 7
T 8	17 31 17	23° 0'38	1♐59	6°44	23°58	7°20	9°44	20°25	13°38	20°14	10°26	22°21	23°31	12°37	20°54	T 8
F 9	17 35 14	23°57'47	15°27	8°34	25°10	8° 1	9°55	20°22	13°37	20°12	10°28	22°11	23°28	12°44	21° 0	F 9
S 10	17 39 11	24°54'56	28°39	10°27	26°21	8°42	10° 6	20°19	13°35	20°11	10°29	22° 2	23°25	12°50	21° 7	S 10
S 11	17 43 7	25°52'05	11♑34	12°22	27°33	9°23	10°17	20°16	13°34	20° 9	10°31	21°54	23°22	12°57	21°13	S 11
M12	17 47 4	26°49'14	24°11	14°21	28°45	10° 4	10°28	20°13	13°33	20° 8	10°32	21°49	23°19	13° 4	21°20	M12
T 13	17 51 0	27°46'23	6♒32	16°21	29°56	10°45	10°39	20° 9	13°31	20° 6	10°33	21°45	23°15	13°10	21°26	T 13
W14	17 54 57	28°43'32	18°39	18°23	1♌ 8	11°26	10°50	20° 6	13°30	20° 4	10°35	21°D44	23°12	13°17	21°33	W14
T 15	17 58 53	29°40'41	0♓36	20°28	2°19	12° 7	11° 1	20° 4	13°28	20° 3	10°36	21°44	23° 9	13°24	21°40	T 15
F 16	18 2 50	0♋37'51	12°26	22°33	3°31	12°48	11°12	20° 1	13°27	20° 1	10°37	21°45	23° 6	13°30	21°46	F 16
S 17	18 6 47	1°35'01	24°15	24°41	4°42	13°28	11°24	19°58	13°25	20° 0	10°39	21°46	23° 3	13°37	21°53	S 17
S 18	18 10 43	2°32'11	6♈ 8	26°49	5°54	14° 9	11°35	19°55	13°24	19°58	10°40	21°R47	22°59	13°43	22° 0	S 18
M19	18 14 40	3°29'21	18°10	28°58	7° 5	14°50	11°47	19°53	13°22	19°56	10°41	21°45	22°56	13°50	22° 7	M19
T 20	18 18 36	4°26'32	0♉26	1♋ 8	8°16	15°30	11°58	19°50	13°20	19°55	10°43	21°42	22°53	13°57	22°13	T 20
W21	18 22 33	5°23'44	13° 1	3°17	9°27	16°11	12°10	19°48	13°19	19°53	10°44	21°37	22°50	14° 3	22°20	W21
T 22	18 26 29	6°20'56	25°56	5°27	10°39	16°51	12°21	19°45	13°17	19°52	10°45	21°31	22°47	14°10	22°27	T 22
F 23	18 30 26	7°18'09	9♊13	7°36	11°50	17°32	12°33	19°43	13°15	19°50	10°47	21°24	22°44	14°17	22°34	F 23
S 24	18 34 22	8°15'22	22°52	9°45	13° 1	18°12	12°45	19°41	13°13	19°49	10°48	21°17	22°40	14°23	22°41	S 24
S 25	18 38 19	9°12'35	6♋52	11°52	14°12	18°52	12°57	19°39	13°11	19°47	10°49	21°11	22°37	14°30	22°48	S 25
M26	18 42 16	10° 9'49	21° 6	13°59	15°23	19°33	13° 9	19°37	13°10	19°46	10°50	21° 6	22°34	14°37	22°55	M26
T 27	18 46 12	11° 7'03	5♌31	16° 5	16°34	20°13	13°21	19°35	13° 8	19°44	10°52	21° 3	22°31	14°43	23° 2	T 27
W28	18 50 9	12° 4'17	20° 1	18° 9	17°45	20°53	13°33	19°33	13° 6	19°43	10°53	21°D 2	22°28	14°50	23° 9	W28
T 29	18 54 5	13° 1'32	4♍30	20°12	18°55	21°33	13°45	19°31	13° 4	19°41	10°54	21° 3	22°25	14°57	23°16	T 29
F 30	18 58 2	13♋58'47	18♍55	22♋13	20♌ 6	22♊13	13♌57	19♏29	13♒ 2	19♐40	10♊55	21♌ 4	22♌21	15♓ 3	23♋23	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n50	13n41	0n 6	16n54	2s20	24n20	1n42	20n57	0n12	19n 3	0n52	15s55	2n13	17s26	0s42	21s55	1n17	13n52	8s19	13n59	13n37	8s37	16n10	5s55
F 2	22 56	9 48	1 21	17 24	2 10	24 12	1 43	21 6	0 13	19 0	0 52	15 54	2 13	17 27	0 42	21 55	1 17	13 52	8 19	13 59	13 38	8 35	16 10	5 55
S 3	23 1	5 23	2 30	17 56	1 59	24 3	1 44	21 14	0 13	18 58	0 52	15 53	2 12	17 27	0 42	21 55	1 17	13 52	8 19	13 59	13 39	8 34	16 9	5 55
S 4	23 6	0 40	3 31	18 27	1 48	23 54	1 45	21 23	0 14	18 55	0 52	15 52	2 12	17 27	0 42	21 55	1 17	13 52	8 19	13 59	13 40	8 32	16 8	5 54
M 5	23 11	4s 3	4 18	18 58	1 37	23 44	1 45	21 31	0 15	18 52	0 52	15 51	2 12	17 28	0 42	21 54	1 17	13 53	8 19	14 0	13 41	8 30	16 8	5 54
T 6	23 15	8 31	4 49	19 29	1 26	23 33	1 46	21 39	0 15	18 49	0 52	15 51	2 12	17 28	0 42	21 54	1 17	13 53	8 19	14 2	13 42	8 28	16 7	5 54
W 7	23 18	12 29	5 4	20 0	1 14	23 22	1 47	21 47	0 16	18 46	0 52	15 50	2 12	17 28	0 42	21 54	1 17	13 53	8 19	14 5	13 43	8 27	16 6	5 54
T 8	23 22	15 45	5 0	20 30	1 2	23 10	1 47	21 54	0 16	18 43	0 52	15 49	2 12	17 29	0 42	21 54	1 17	13 53	8 19	14 8	13 44	8 25	16 6	5 53
F 9	23 24	18 6	4 40	21 0	0 50	22 57	1 47	22 1	0 17	18 40	0 52	15 48	2 11	17 29	0 42	21 54	1 17	13 53	8 19	14 11	13 45	8 23	16 5	5 53
S 10	23 27	19 27	4 5	21 29	0 39	22 44	1 48	22 9	0 18	18 37	0 52	15 48	2 11	17 30	0 42	21 54	1 17	13 54	8 19	14 14	13 46	8 21	16 4	5 53
S 11	23 29	19 45	3 18	21 56	0 27	22 30	1 48	22 16	0 18	18 34	0 52	15 47	2 11	17 30	0 42	21 54	1 17	13 54	8 19	14 16	13 48	8 19	16 3	5 53
M12	23 30	19 2	2 22	22 22	0 15	22 16	1 48	22 22	0 19	18 31	0 52	15 46	2 11	17 30	0 42	21 54	1 17	13 54	8 19	14 18	13 49	8 18	16 3	5 52
T 13	23 32	17 25	1 21	22 47	0 4	22 1	1 48	22 29	0 20	18 28	0 52	15 46	2 11	17 31	0 42	21 54	1 17	13 54	8 19	14 19	13 50	8 16	16 2	5 52
W14	23 32	15 2	0 17	23 10	0n 8	21 45	1 48	22 35	0 20	18 25	0 52	15 45	2 10	17 31	0 42	21 54	1 17	13 54	8 19	14 19	13 51	8 14	16 1	5 52
T 15	23 33	12 3	0s48	23 30	0 18	21 29	1 48	22 41	0 21	18 22	0 52	15 45	2 10	17 32	0 42	21 53	1 17	13 54	8 19	14 19	13 52	8 12	16 0	5 52
F 16	23 33	8 36	1 49	23 49	0 29	21 12	1 48	22 47	0 21	18 19	0 52	15 44	2 10	17 32	0 42	21 53	1 17	13 55	8 19	14 19	13 53	8 10	15 59	5 52
S 17	23 32	4 50	2 46	24 5	0 39	20 55	1 47	22 53	0 22	18 16	0 52	15 44	2 10	17 33	0 42	21 53	1 17	13 55	8 19	14 19	13 54	8 9	15 58	5 52
S 18	23 31	0 52	3 36	24 19	0 48	20 37	1 47	22 58	0 23	18 13	0 52	15 43	2 10	17 33	0 42	21 53	1 17	13 55	8 19	14 19	13 55	8 7	15 57	5 51
M19	23 30	3n11	4 18	24 30	0 57	20 18	1 47	23 4	0 23	18 9	0 52	15 42	2 9	17 34	0 42	21 53	1 17	13 55	8 19	14 19	13 56	8 5	15 57	5 51
T 20	23 28	7 11	4 48	24 38	1 6	19 59	1 46	23 9	0 24	18 6	0 52	15 42	2 9	17 34	0 42	21 53	1 17	13 55	8 19	14 20	13 57	8 3	15 56	5 51
W21	23 26	10 57	5 5	24 44	1 13	19 39	1 45	23 14	0 24	18 3	0 52	15 42	2 9	17 35	0 42	21 53	1 17	13 55	8 19	14 22	13 58	8 1	15 55	5 51
T 22	23 24	14 20	5 8	24 46	1 20	19 19	1 45	23 19	0 25	18 0	0 52	15 41	2 9	17 35	0 42	21 53	1 17	13 56	8 19	14 24	13 59	7 59	15 54	5 51
F 23	23 21	17 5	4 54	24 46	1 26	18 59	1 44	23 23	0 26	17 56	0 51	15 41	2 9	17 36	0 43	21 53	1 17	13 56	8 19	14 26	14 0	7 58	15 53	5 51
S 24	23 17	18 58	4 24	24 43	1 32	18 38	1 43	23 27	0 26	17 53	0 51	15 40	2 8	17 36	0 43	21 53	1 17	13 56	8 19	14 28	14 1	7 56	15 52	5 51
S 25	23 13	19 46	3 37	24 37	1 37	18 16	1 42	23 31	0 27	17 50	0 51	15 40	2 8	17 37	0 43	21 52	1 17	13 56	8 19	14 30	14 2	7 54	15 51	5 50
M26	23 9	19 19	2 35	24 29	1 41	17 54	1 41	23 35	0 28	17 46	0 51	15 40	2 8	17 37	0 43	21 52	1 17	13 56	8 19	14 32	14 3	7 52	15 50	5 50
T 27	23 5	17 38	1 23	24 18	1 44	17 32	1 40	23 39	0 28	17 43	0 51	15 39	2 8	17 38	0 43	21 52	1 17	13 56	8 19	14 33	14 4	7 50	15 49	5 50
W28	23 0	14 47	0 6	24 4	1 46	17 9	1 38	23 43	0 29	17 39	0 51	15 39	2 7	17 38	0 43	21 52	1 17	13 56	8 19	14 33	14 5	7 48	15 48	5 50
T 29	22 54	11 2	1n13	23 48	1 48	16 45	1 37	23 46	0 29	17 36	0 51	15 39	2 7	17 39	0 43	21 52	1 17	13 56	8 19	14 33	14 6	7 47	15 47	5 50
F 30	22n49	6n39	2n26	23n30	1n49	16n22	1n36	23n49	0n30	17n32	0n51	15s39	2n 7	17s40	0s43	21s52	1n17	13n57	8s19	14n32	14n 7	7s45	15n46	5s50

Julian Day Number = 2145264.5, Delta T = 14m49s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'54, Lahiri = 12°09'54 Julian Calendar 1 June 1161 == Greg. Calendar 8 June 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

JULY 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 58	14♋56'02	3♎12	24♋13	21♌17	22♊53	14♌ 9	19°R28	13°R 0	19°R38	10♊56	21♌ 5	22♌18	15♓10	23♋30	S 1
S 2	19 5 55	15°53'17	17°19	26°11	22°27	23°33	14°21	19♏26	12♒58	19♐37	10°58	21°R 6	22°15	15°17	23°37	S 2
M 3	19 9 51	16°50'33	1♏14	28° 7	23°38	24°13	14°33	19°25	12°56	19°36	10°59	21° 5	22°12	15°23	23°44	M 3
T 4	19 13 48	17°47'49	14°58	0♌ 2	24°48	24°53	14°45	19°23	12°54	19°34	11° 0	21° 3	22° 9	15°30	23°51	T 4
W 5	19 17 45	18°45'05	28°28	1°55	25°59	25°33	14°58	19°22	12°52	19°33	11° 1	20°59	22° 5	15°37	23°58	W 5
T 6	19 21 41	19°42'22	11♐46	3°47	27° 9	26°13	15°10	19°21	12°49	19°32	11° 2	20°54	22° 2	15°43	24° 5	T 6
F 7	19 25 38	20°39'40	24°49	5°36	28°19	26°53	15°23	19°20	12°47	19°30	11° 3	20°50	21°59	15°50	24°12	F 7
S 8	19 29 34	21°36'58	7♑39	7°24	29°29	27°33	15°35	19°19	12°45	19°29	11° 5	20°45	21°56	15°57	24°19	S 8
S 9	19 33 31	22°34'17	20°15	9°10	0♍40	28°12	15°47	19°18	12°43	19°28	11° 6	20°41	21°53	16° 3	24°26	S 9
M10	19 37 27	23°31'36	2♒38	10°55	1°50	28°52	16° 0	19°18	12°41	19°26	11° 7	20°39	21°50	16°10	24°33	M10
T 11	19 41 24	24°28'57	14°49	12°38	3° 0	29°31	16°12	19°17	12°38	19°25	11° 8	20°D38	21°46	16°17	24°40	T 11
W12	19 45 20	25°26'18	26°50	14°19	4° 9	0♋11	16°25	19°16	12°36	19°24	11° 9	20°38	21°43	16°23	24°47	W12
T 13	19 49 17	26°23'40	8♓43	15°58	5°19	0°50	16°38	19°16	12°34	19°23	11°10	20°39	21°40	16°30	24°54	T 13
F 14	19 53 14	27°21'04	20°33	17°36	6°29	1°30	16°50	19°15	12°32	19°21	11°11	20°40	21°37	16°37	25° 1	F 14
S 15	19 57 10	28°18'28	2♈21	19°12	7°39	2° 9	17° 3	19°15	12°29	19°20	11°12	20°42	21°34	16°43	25° 9	S 15
S 16	20 1 7	29°15'54	14°14	20°46	8°48	2°49	17°16	19°15	12°27	19°19	11°13	20°43	21°31	16°50	25°16	S 16
M17	20 5 3	0♌13'21	26°16	22°19	9°58	3°28	17°28	19°D15	12°25	19°18	11°14	20°R44	21°27	16°57	25°23	M17
T 18	20 9 0	1°10'50	8♉31	23°50	11° 7	4° 7	17°41	19°15	12°22	19°17	11°15	20°44	21°24	17° 3	25°30	T 18
W19	20 12 56	2° 8'20	21° 4	25°19	12°16	4°47	17°54	19°15	12°20	19°16	11°16	20°43	21°21	17°10	25°37	W19
T 20	20 16 53	3° 5'51	3♊59	26°47	13°25	5°26	18° 7	19°15	12°18	19°15	11°17	20°41	21°18	17°17	25°44	T 20
F 21	20 20 49	4° 3'24	17°19	28°13	14°35	6° 5	18°20	19°15	12°15	19°14	11°18	20°39	21°15	17°23	25°51	F 21
S 22	20 24 46	5° 0'58	1♋ 3	29°37	15°44	6°44	18°32	19°16	12°13	19°13	11°19	20°37	21°11	17°30	25°58	S 22
S 23	20 28 43	5°58'33	15°12	0♍59	16°53	7°23	18°45	19°16	12°11	19°12	11°20	20°35	21° 8	17°37	26° 5	S 23
M24	20 32 39	6°56'10	29°42	2°20	18° 1	8° 2	18°58	19°17	12° 8	19°11	11°21	20°34	21° 5	17°43	26°12	M24
T 25	20 36 36	7°53'48	14♌27	3°39	19°10	8°41	19°11	19°18	12° 6	19°10	11°21	20°D33	21° 2	17°50	26°19	T 25
W26	20 40 32	8°51'27	29°20	4°55	20°19	9°20	19°24	19°18	12° 3	19° 9	11°22	20°33	20°59	17°56	26°26	W26
T 27	20 44 29	9°49'08	14♍14	6°10	21°27	9°59	19°37	19°19	12° 1	19° 8	11°23	20°34	20°56	18° 3	26°33	T 27
F 28	20 48 25	10°46'49	29° 0	7°23	22°36	10°38	19°50	19°20	11°59	19° 7	11°24	20°34	20°52	18°10	26°40	F 28
S 29	20 52 22	11°44'32	13♎34	8°34	23°44	11°17	20° 3	19°21	11°56	19° 6	11°25	20°35	20°49	18°16	26°47	S 29
S 30	20 56 18	12°42'15	27°50	9°42	24°52	11°55	20°16	19°22	11°54	19° 5	11°25	20°36	20°46	18°23	26°54	S 30
M31	21 0 15	13♌40'00	11♏48	10♍49	26♍ 0	12♋34	20♌29	19♏24	11♒51	19♐ 5	11♊26	20°R36	20♌43	18♓30	27♋ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n42	1n56	3n30	23n10	1n50	15n57	1n34	23n52	0n31	17n29	0n51	15s38	2n 7	17s40	0s43	21s52	1n17	13n57	8s19	14n32	14n 8	7s43	15n45	5s50
S 2	22 36	2s50	4 20	22 48	1 50	15 33	1 33	23 54	0 31	17 25	0 51	15 38	2 7	17 41	0 43	21 52	1 17	13 57	8 19	14 32	14 9	7 41	15 43	5 50
M 3	22 29	7 22	4 54	22 24	1 49	15 8	1 31	23 57	0 32	17 22	0 51	15 38	2 6	17 41	0 43	21 52	1 17	13 57	8 19	14 32	14 10	7 39	15 42	5 50
T 4	22 21	11 27	5 11	21 59	1 47	14 43	1 29	23 59	0 32	17 18	0 51	15 38	2 6	17 42	0 43	21 52	1 17	13 57	8 19	14 33	14 11	7 37	15 41	5 50
W 5	22 14	14 52	5 10	21 32	1 45	14 17	1 27	24 1	0 33	17 14	0 51	15 38	2 6	17 43	0 43	21 52	1 17	13 57	8 19	14 34	14 12	7 36	15 40	5 50
T 6	22 6	17 28	4 52	21 3	1 42	13 51	1 25	24 3	0 34	17 11	0 51	15 38	2 6	17 43	0 43	21 52	1 17	13 57	8 19	14 35	14 14	7 34	15 39	5 50
F 7	21 57	19 7	4 19	20 33	1 39	13 25	1 23	24 5	0 34	17 7	0 52	15 38	2 5	17 44	0 43	21 51	1 16	13 57	8 20	14 37	14 15	7 32	15 38	5 50
S 8	21 48	19 46	3 34	20 2	1 35	12 58	1 21	24 6	0 35	17 3	0 52	15 38	2 5	17 45	0 43	21 51	1 16	13 57	8 20	14 38	14 16	7 30	15 37	5 50
S 9	21 39	19 23	2 39	19 30	1 31	12 31	1 19	24 7	0 35	17 0	0 52	15 38	2 5	17 45	0 43	21 51	1 16	13 57	8 20	14 40	14 17	7 28	15 35	5 50
M10	21 29	18 5	1 37	18 57	1 27	12 4	1 16	24 8	0 36	16 56	0 52	15 38	2 5	17 46	0 43	21 51	1 16	13 57	8 20	14 40	14 18	7 26	15 34	5 50
T 11	21 19	15 57	0 32	18 24	1 21	11 36	1 14	24 9	0 37	16 52	0 52	15 38	2 4	17 47	0 43	21 51	1 16	13 57	8 20	14 41	14 19	7 24	15 33	5 50
W12	21 9	13 9	0s34	17 49	1 16	11 8	1 12	24 10	0 37	16 48	0 52	15 38	2 4	17 47	0 43	21 51	1 16	13 58	8 20	14 41	14 20	7 23	15 32	5 50
T 13	20 58	9 51	1 38	17 14	1 10	10 40	1 9	24 10	0 38	16 45	0 52	15 38	2 4	17 48	0 43	21 51	1 16	13 58	8 20	14 41	14 21	7 21	15 30	5 50
F 14	20 47	6 11	2 38	16 38	1 4	10 12	1 6	24 11	0 38	16 41	0 52	15 38	2 4	17 48	0 43	21 51	1 16	13 58	8 20	14 40	14 22	7 19	15 29	5 50
S 15	20 36	2 16	3 30	16 2	0 57	9 43	1 4	24 11	0 39	16 37	0 52	15 38	2 3	17 49	0 43	21 51	1 16	13 58	8 20	14 39	14 23	7 17	15 28	5 50
S 16	20 24	1n44	4 14	15 25	0 50	9 15	1 1	24 10	0 40	16 33	0 52	15 38	2 3	17 50	0 43	21 51	1 16	13 58	8 20	14 39	14 24	7 15	15 27	5 50
M17	20 12	5 43	4 48	14 48	0 43	8 46	0 58	24 10	0 40	16 29	0 52	15 39	2 3	17 50	0 43	21 51	1 16	13 58	8 20	14 39	14 25	7 13	15 25	5 50
T 18	19 59	9 32	5 9	14 11	0 35	8 16	0 55	24 10	0 41	16 25	0 52	15 39	2 3	17 51	0 43	21 51	1 16	13 58	8 20	14 39	14 26	7 11	15 24	5 50
W19	19 46	13 1	5 16	13 34	0 27	7 47	0 52	24 9	0 41	16 21	0 52	15 39	2 2	17 52	0 43	21 51	1 16	13 58	8 21	14 39	14 27	7 9	15 23	5 50
T 20	19 33	16 0	5 8	12 56	0 19	7 17	0 49	24 8	0 42	16 17	0 52	15 39	2 2	17 52	0 43	21 51	1 16	13 58	8 21	14 40	14 28	7 8	15 21	5 50
F 21	19 20	18 15	4 43	12 19	0 10	6 48	0 45	24 7	0 43	16 13	0 52	15 40	2 2	17 53	0 43	21 51	1 16	13 58	8 21	14 40	14 29	7 6	15 20	5 50
S 22	19 6	19 32	4 1	11 41	0 2	6 18	0 42	24 5	0 43	16 9	0 52	15 40	2 2	17 54	0 43	21 51	1 16	13 58	8 21	14 41	14 30	7 4	15 19	5 50
S 23	18 52	19 38	3 4	11 3	0s 7	5 48	0 39	24 4	0 44	16 5	0 52	15 40	2 1	17 55	0 43	21 51	1 16	13 58	8 21	14 42	14 31	7 2	15 17	5 50
M24	18 37	18 28	1 53	10 26	0 16	5 18	0 35	24 2	0 44	16 1	0 52	15 41	2 1	17 55	0 43	21 51	1 16	13 58	8 21	14 42	14 32	7 0	15 16	5 51
T 25	18 23	16 2	0 34	9 49	0 26	4 47	0 32	24 0	0 45	15 57	0 52	15 41	2 1	17 56	0 43	21 51	1 16	13 58	8 21	14 42	14 33	6 58	15 14	5 51
W26	18 7	12 31	0n49	9 12	0 35	4 17	0 28	23 58	0 45	15 53	0 52	15 42	2 1	17 57	0 43	21 50	1 16	13 58	8 21	14 42	14 34	6 56	15 13	5 51
T 27	17 52	8 12	2 8	8 36	0 45	3 46	0 24	23 56	0 46	15 49	0 52	15 42	2 0	17 57	0 43	21 50	1 16	13 58	8 21	14 42	14 35	6 54	15 12	5 51
F 28	17 36	3 25	3 18	7 59	0 55	3 16	0 20	23 54	0 47	15 45	0 52	15 43	2 0	17 58	0 43	21 50	1 16	13 58	8 21	14 42	14 36	6 52	15 10	5 51
S 29	17 21	1s29	4 14	7 24	1 5	2 45	0 17	23 51	0 47	15 41	0 52	15 43	2 0	17 59	0 43	21 50	1 16	13 58	8 22	14 42	14 37	6 51	15 9	5 51
S 30	17 4	6 12	4 53	6 49	1 15	2 14	0 13	23 48	0 48	15 37	0 52	15 44	2 0	17 59	0 43	21 50	1 16	13 58	8 22	14 41	14 38	6 49	15 7	5 51
M31	16n48	10s28	5n14	6n14	1s25	1n44	0n 9	23n45	0n48	15n33	0n52	15s44	1n59	18s 0	0s43	21s50	1n16	13n58	8s22	14n41	14n39	6s47	15n 6	5s51

Julian Day Number = 2145294.5, Delta T = 14m49s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°02'58, Lahiri = 12°09'58 Julian Calendar 1 July 1161 == Greg. Calendar 8 July 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

AUGUST 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 12	14♌37'46	25♏25	11♍53	27♍ 8	13♋13	20♌42	19♏25	11°R49	19°R 4	11♊27	20°R36	20♌40	18♓36	27♋ 8	T 1
W 2	21 8 8	15°35'33	8♐44	12°54	28°16	13°51	20°55	19°27	11♒47	19♐ 3	11°28	20♌36	20°37	18°43	27°15	W 2
T 3	21 12 5	16°33'22	21°44	13°53	29°24	14°30	21° 8	19°28	11°44	19° 3	11°28	20°35	20°33	18°50	27°22	T 3
F 4	21 16 1	17°31'11	4♑29	14°49	0♎32	15° 8	21°21	19°30	11°42	19° 2	11°29	20°35	20°30	18°56	27°29	F 4
S 5	21 19 58	18°29'02	17° 0	15°42	1°39	15°47	21°34	19°31	11°40	19° 1	11°30	20°34	20°27	19° 3	27°36	S 5
S 6	21 23 54	19°26'55	29°19	16°33	2°47	16°25	21°47	19°33	11°37	19° 1	11°30	20°34	20°24	19°10	27°42	S 6
M 7	21 27 51	20°24'49	11♒27	17°19	3°54	17° 4	22° 0	19°35	11°35	19° 0	11°31	20°D34	20°21	19°16	27°49	M 7
T 8	21 31 47	21°22'44	23°28	18° 3	5° 1	17°42	22°13	19°37	11°32	18°59	11°32	20°R34	20°17	19°23	27°56	T 8
W 9	21 35 44	22°20'41	5♓22	18°43	6° 8	18°20	22°26	19°39	11°30	18°59	11°32	20°34	20°14	19°30	28° 3	W 9
T 10	21 39 41	23°18'39	17°12	19°19	7°15	18°58	22°39	19°41	11°28	18°58	11°33	20°34	20°11	19°36	28° 9	T 10
F 11	21 43 37	24°16'40	29° 1	19°50	8°21	19°37	22°52	19°44	11°25	18°58	11°33	20°34	20° 8	19°43	28°16	F 11
S 12	21 47 34	25°14'42	10♈50	20°18	9°28	20°15	23° 5	19°46	11°23	18°58	11°34	20°33	20° 5	19°50	28°23	S 12
S 13	21 51 30	26°12'46	22°44	20°40	10°34	20°53	23°18	19°49	11°21	18°57	11°34	20°32	20° 2	19°56	28°29	S 13
M14	21 55 27	27°10'52	4♉46	20°58	11°40	21°31	23°32	19°51	11°19	18°57	11°35	20°32	19°58	20° 3	28°36	M14
T 15	21 59 23	28° 9'00	17° 0	21°11	12°46	22° 9	23°45	19°54	11°16	18°57	11°35	20°31	19°55	20°10	28°43	T 15
W16	22 3 20	29° 7'10	29°30	21°18	13°52	22°47	23°58	19°57	11°14	18°56	11°36	20°D31	19°52	20°16	28°49	W16
T 17	22 7 16	0♍ 5'22	12♊20	21°R19	14°58	23°25	24°11	19°59	11°12	18°56	11°36	20°31	19°49	20°23	28°56	T 17
F 18	22 11 13	1° 3'36	25°34	21°14	16° 3	24° 3	24°24	20° 2	11°10	18°56	11°36	20°32	19°46	20°30	29° 2	F 18
S 19	22 15 10	2° 1'52	9♋14	21° 2	17° 9	24°41	24°37	20° 5	11° 7	18°56	11°37	20°33	19°42	20°36	29° 9	S 19
S 20	22 19 6	3° 0'11	23°20	20°45	18°14	25°19	24°50	20° 8	11° 5	18°55	11°37	20°34	19°39	20°43	29°15	S 20
M21	22 23 3	3°58'31	7♌52	20°21	19°19	25°56	25° 3	20°12	11° 3	18°55	11°38	20°34	19°36	20°50	29°21	M21
T 22	22 26 59	4°56'53	22°44	19°50	20°24	26°34	25°16	20°15	11° 1	18°55	11°38	20°R35	19°33	20°56	29°28	T 22
W23	22 30 56	5°55'17	7♍51	19°13	21°28	27°12	25°29	20°18	10°59	18°55	11°38	20°34	19°30	21° 3	29°34	W23
T 24	22 34 52	6°53'43	23° 2	18°29	22°32	27°49	25°42	20°22	10°57	18°55	11°38	20°33	19°27	21°10	29°40	T 24
F 25	22 38 49	7°52'11	8♎ 8	17°40	23°37	28°27	25°54	20°25	10°55	18°D55	11°39	20°31	19°23	21°16	29°46	F 25
S 26	22 42 45	8°50'41	23° 1	16°47	24°41	29° 5	26° 7	20°29	10°53	18°55	11°39	20°29	19°20	21°23	29°53	S 26
S 27	22 46 42	9°49'12	7♏33	15°48	25°44	29°42	26°20	20°32	10°51	18°55	11°39	20°26	19°17	21°30	29°59	S 27
M28	22 50 38	10°47'45	21°40	14°47	26°48	0♌19	26°33	20°36	10°49	18°55	11°39	20°25	19°14	21°36	0♌ 5	M28
T 29	22 54 35	11°46'20	5♐21	13°44	27°51	0°57	26°46	20°40	10°47	18°55	11°39	20°24	19°11	21°43	0°11	T 29
W30	22 58 32	12°44'56	18°37	12°41	28°54	1°34	26°59	20°44	10°45	18°55	11°40	20°D24	19° 8	21°50	0°17	W30
T 31	23 2 28	13♍43'34	1♑30	11♍38	29♎57	2♌11	27♌12	20♏48	10♒43	18♐56	11♊40	20♌25	19♌ 4	21♓56	0♌23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n31	14s 5	5n16	5n41	1s35	1n13	0n 5	23n42	0n49	15n29	0n52	15s45	1n59	18s 1	0s43	21s50	1n16	13n58	8s22	14n41	14n40	6s45	15n 4	5s52
W 2	16 14	16 53	5 2	5 8	1 45	0 42	0 1	23 39	0 50	15 25	0 52	15 46	1 59	18 1	0 43	21 50	1 15	13 58	8 22	14 41	14 41	6 43	15 3	5 52
T 3	15 57	18 46	4 32	4 36	1 55	0 11	0s 4	23 35	0 50	15 21	0 52	15 46	1 59	18 2	0 43	21 50	1 15	13 58	8 22	14 42	14 42	6 41	15 1	5 52
F 4	15 39	19 39	3 49	4 4	2 6	0s20	0 8	23 31	0 51	15 16	0 52	15 47	1 58	18 3	0 43	21 50	1 15	13 58	8 22	14 42	14 43	6 39	15 0	5 52
S 5	15 21	19 33	2 56	3 34	2 16	0 51	0 12	23 27	0 51	15 12	0 52	15 48	1 58	18 3	0 43	21 50	1 15	13 58	8 22	14 42	14 44	6 37	14 58	5 52
S 6	15 3	18 30	1 55	3 6	2 26	1 22	0 17	23 23	0 52	15 8	0 52	15 48	1 58	18 4	0 43	21 50	1 15	13 58	8 23	14 42	14 45	6 35	14 57	5 53
M 7	14 45	16 37	0 50	2 38	2 36	1 53	0 21	23 19	0 52	15 4	0 53	15 49	1 58	18 5	0 43	21 50	1 15	13 58	8 23	14 42	14 46	6 33	14 55	5 53
T 8	14 26	14 1	0s16	2 12	2 46	2 23	0 25	23 15	0 53	15 0	0 53	15 50	1 57	18 5	0 43	21 50	1 15	13 58	8 23	14 42	14 47	6 31	14 54	5 53
W 9	14 8	10 51	1 21	1 47	2 56	2 54	0 30	23 10	0 54	14 55	0 53	15 51	1 57	18 6	0 43	21 50	1 15	13 58	8 23	14 42	14 48	6 30	14 52	5 53
T 10	13 49	7 16	2 23	1 25	3 5	3 25	0 35	23 5	0 54	14 51	0 53	15 52	1 57	18 7	0 43	21 50	1 15	13 58	8 23	14 42	14 49	6 28	14 51	5 54
F 11	13 29	3 25	3 18	1 4	3 15	3 56	0 39	23 0	0 55	14 47	0 53	15 52	1 57	18 7	0 43	21 50	1 15	13 57	8 23	14 42	14 50	6 26	14 49	5 54
S 12	13 10	0n34	4 4	0 45	3 23	4 26	0 44	22 55	0 55	14 43	0 53	15 53	1 56	18 8	0 43	21 50	1 15	13 57	8 23	14 42	14 51	6 24	14 48	5 54
S 13	12 50	4 32	4 41	0 28	3 32	4 57	0 49	22 50	0 56	14 39	0 53	15 54	1 56	18 8	0 43	21 50	1 15	13 57	8 23	14 42	14 52	6 22	14 46	5 54
M14	12 30	8 22	5 6	0 14	3 40	5 27	0 53	22 45	0 56	14 34	0 53	15 55	1 56	18 9	0 43	21 50	1 15	13 57	8 24	14 43	14 53	6 20	14 45	5 55
T 15	12 10	11 55	5 17	0 2	3 47	5 58	0 58	22 39	0 57	14 30	0 53	15 56	1 56	18 10	0 43	21 50	1 15	13 57	8 24	14 43	14 54	6 18	14 43	5 55
W16	11 50	15 2	5 13	0s 7	3 54	6 28	1 3	22 33	0 58	14 26	0 53	15 57	1 56	18 10	0 43	21 50	1 15	13 57	8 24	14 43	14 55	6 16	14 41	5 55
T 17	11 29	17 30	4 55	0 13	4 0	6 58	1 8	22 28	0 58	14 21	0 53	15 58	1 55	18 11	0 43	21 50	1 15	13 57	8 24	14 43	14 56	6 14	14 40	5 55
F 18	11 9	19 8	4 20	0 16	4 6	7 28	1 13	22 22	0 59	14 17	0 53	15 59	1 55	18 12	0 43	21 50	1 15	13 57	8 24	14 43	14 57	6 12	14 38	5 56
S 19	10 48	19 44	3 30	0 15	4 10	7 58	1 18	22 15	0 59	14 13	0 53	16 0	1 55	18 12	0 43	21 50	1 15	13 57	8 24	14 42	14 58	6 10	14 37	5 56
S 20	10 27	19 8	2 25	0 11	4 13	8 27	1 23	22 9	1 0	14 9	0 53	16 1	1 55	18 13	0 43	21 51	1 15	13 57	8 24	14 42	14 59	6 8	14 35	5 56
M21	10 6	17 15	1 10	0 3	4 14	8 57	1 28	22 3	1 0	14 4	0 54	16 2	1 54	18 13	0 43	21 51	1 15	13 57	8 25	14 42	15 0	6 6	14 34	5 57
T 22	9 44	14 11	0n12	0n 9	4 15	9 26	1 33	21 56	1 1	14 0	0 54	16 3	1 54	18 14	0 43	21 51	1 15	13 57	8 25	14 42	15 1	6 4	14 32	5 57
W23	9 23	10 7	1 34	0 24	4 13	9 55	1 38	21 49	1 2	13 56	0 54	16 4	1 54	18 14	0 43	21 51	1 14	13 56	8 25	14 42	15 2	6 2	14 30	5 57
T 24	9 1	5 23	2 50	0 44	4 10	10 24	1 43	21 42	1 2	13 51	0 54	16 5	1 54	18 15	0 43	21 51	1 14	13 56	8 25	14 42	15 3	6 0	14 29	5 58
F 25	8 39	0 20	3 54	1 8	4 6	10 53	1 48	21 35	1 3	13 47	0 54	16 7	1 53	18 16	0 43	21 51	1 14	13 56	8 25	14 43	15 4	5 58	14 27	5 58
S 26	8 17	4s39	4 40	1 35	3 59	11 21	1 53	21 28	1 3	13 43	0 54	16 8	1 53	18 16	0 43	21 51	1 14	13 56	8 25	14 44	15 5	5 57	14 26	5 58
S 27	7 55	9 14	5 8	2 5	3 50	11 50	1 58	21 21	1 4	13 38	0 54	16 9	1 53	18 17	0 43	21 51	1 14	13 56	8 25	14 44	15 6	5 55	14 24	5 59
M28	7 33	13 11	5 16	2 39	3 39	12 18	2 4	21 13	1 4	13 34	0 54	16 10	1 53	18 17	0 43	21 51	1 14	13 56	8 26	14 45	15 7	5 53	14 22	5 59
T 29	7 11	16 17	5 5	3 15	3 27	12 46	2 9	21 6	1 5	13 30	0 54	16 11	1 53	18 18	0 43	21 51	1 14	13 56	8 26	14 45	15 8	5 51	14 21	5 59
W30	6 48	18 26	4 38	3 52	3 12	13 13	2 14	20 58	1 6	13 25	0 54	16 13	1 52	18 18	0 43	21 51	1 14	13 56	8 26	14 45	15 9	5 49	14 19	6 0
T 31	6n26	19s34	3n58	4n31	2s56	13s40	2s19	20n50	1n 6	13n21	0n54	16s14	1n52	18s19	0s43	21s51	1n14	13n56	8s26	14n45	15n10	5s47	14n18	6s 0

Julian Day Number = 2145325.5, Delta T = 14m49s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'02, Lahiri = 12°10'03 Julian Calendar 1 Aug. 1161 == Greg. Calendar 8 Aug. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

SEPTEMBER 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 6 25	14♍42'14	14♉ 4	10°R39	0♏59	2♌49	27♌24	20♏52	10°R41	18♐56	11♊40	20♌26	19♌ 1	22♓ 3	0♌29	F 1
S 2	23 10 21	15°40'56	26°22	9♍43	2° 1	3°26	27°37	20°56	10♒39	18°56	11°40	20°28	18°58	22°10	0°34	S 2
S 3	23 14 18	16°39'39	8♒29	8°53	3° 3	4° 3	27°50	21° 0	10°37	18°56	11°40	20°29	18°55	22°16	0°40	S 3
M 4	23 18 14	17°38'24	20°27	8°10	4° 5	4°40	28° 2	21° 5	10°36	18°57	11°40	20°R30	18°52	22°23	0°46	M 4
T 5	23 22 11	18°37'11	2♓19	7°35	5° 6	5°17	28°15	21° 9	10°34	18°57	11°R40	20°29	18°48	22°30	0°51	T 5
W 6	23 26 7	19°36'00	14° 9	7° 9	6° 7	5°54	28°28	21°13	10°32	18°57	11°40	20°27	18°45	22°36	0°57	W 6
T 7	23 30 4	20°34'51	25°58	6°53	7° 8	6°31	28°40	21°18	10°31	18°58	11°40	20°23	18°42	22°43	1° 3	T 7
F 8	23 34 1	21°33'44	7♈48	6°D46	8° 8	7° 8	28°53	21°22	10°29	18°58	11°40	20°18	18°39	22°50	1° 8	F 8
S 9	23 37 57	22°32'39	19°42	6°50	9° 8	7°45	29° 5	21°27	10°27	18°59	11°40	20°13	18°36	22°56	1°14	S 9
S 10	23 41 54	23°31'36	1♉41	7° 4	10° 8	8°22	29°18	21°32	10°26	18°59	11°40	20° 7	18°33	23° 3	1°19	S 10
M11	23 45 50	24°30'36	13°47	7°28	11° 7	8°58	29°30	21°37	10°24	19° 0	11°39	20° 1	18°29	23°10	1°24	M11
T 12	23 49 47	25°29'38	26° 4	8° 2	12° 6	9°35	29°42	21°41	10°23	19° 0	11°39	19°56	18°26	23°16	1°29	T 12
W13	23 53 43	26°28'42	8♊34	8°44	13° 4	10°12	29°55	21°46	10°21	19° 1	11°39	19°53	18°23	23°23	1°35	W13
T 14	23 57 40	27°27'49	21°21	9°35	14° 3	10°48	0♍ 7	21°51	10°20	19° 2	11°39	19°52	18°20	23°30	1°40	T 14
F 15	0 1 36	28°26'58	4♋27	10°34	15° 0	11°25	0°19	21°56	10°19	19° 2	11°39	19°D52	18°17	23°36	1°45	F 15
S 16	0 5 33	29°26'09	17°57	11°40	15°57	12° 2	0°32	22° 2	10°17	19° 3	11°39	19°53	18°14	23°43	1°50	S 16
S 17	0 9 30	0♎25'23	1♌52	12°52	16°54	12°38	0°44	22° 7	10°16	19° 4	11°38	19°54	18°10	23°50	1°55	S 17
M18	0 13 26	1°24'39	16°13	14° 9	17°50	13°14	0°56	22°12	10°15	19° 5	11°38	19°R55	18° 7	23°56	2° 0	M18
T 19	0 17 23	2°23'57	0♍57	15°32	18°46	13°51	1° 8	22°17	10°14	19° 5	11°38	19°55	18° 4	24° 3	2° 4	T 19
W20	0 21 19	3°23'17	16° 0	16°59	19°42	14°27	1°20	22°23	10°12	19° 6	11°37	19°52	18° 1	24°10	2° 9	W20
T 21	0 25 16	4°22'40	1♎14	18°29	20°36	15° 3	1°32	22°28	10°11	19° 7	11°37	19°48	17°58	24°16	2°14	T 21
F 22	0 29 12	5°22'05	16°28	20° 2	21°31	15°39	1°44	22°34	10°10	19° 8	11°37	19°42	17°54	24°23	2°18	F 22
S 23	0 33 9	6°21'32	1♏32	21°37	22°24	16°16	1°56	22°39	10° 9	19° 9	11°36	19°34	17°51	24°30	2°23	S 23
S 24	0 37 5	7°21'00	16°17	23°15	23°18	16°52	2° 7	22°45	10° 8	19°10	11°36	19°27	17°48	24°36	2°27	S 24
M25	0 41 2	8°20'31	0♐36	24°54	24°10	17°28	2°19	22°50	10° 7	19°11	11°35	19°21	17°45	24°43	2°31	M25
T 26	0 44 58	9°20'03	14°26	26°35	25° 2	18° 4	2°31	22°56	10° 6	19°12	11°35	19°16	17°42	24°50	2°36	T 26
W27	0 48 55	10°19'38	27°47	28°16	25°53	18°39	2°42	23° 2	10° 6	19°13	11°35	19°13	17°39	24°56	2°40	W27
T 28	0 52 52	11°19'14	10♑41	29°58	26°44	19°15	2°54	23° 8	10° 5	19°14	11°34	19°D12	17°35	25° 3	2°44	T 28
F 29	0 56 48	12°18'52	23°12	1♎40	27°33	19°51	3° 5	23°14	10° 4	19°15	11°34	19°13	17°32	25°10	2°48	F 29
S 30	1 0 45	13♎18'31	5♒26	3♎23	28♏23	20♌27	3♍17	23♏20	10♒ 3	19♐16	11♊33	19♌14	17♌29	25♓17	2♌52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n 3	19s42	3n 7	5n 9	2s39	14s 7	2s24	20n42	1n 7	13n17	0n54	16s15	1n52	18s19	0s43	21s51	1n14	13n55	8s26	14n44	15n11	5s45	14n16	6s 1
S 2	5 40	18 52	2 9	5 47	2 21	14 34	2 30	20 34	1 7	13 12	0 55	16 16	1 52	18 20	0 43	21 51	1 14	13 55	8 26	14 44	15 12	5 43	14 14	6 1
S 3	5 17	17 10	1 6	6 24	2 1	15 0	2 35	20 26	1 8	13 8	0 55	16 18	1 52	18 20	0 43	21 51	1 14	13 55	8 26	14 44	15 13	5 41	14 13	6 1
M 4	4 54	14 44	0 0	6 59	1 41	15 26	2 40	20 17	1 8	13 4	0 55	16 19	1 51	18 21	0 43	21 51	1 14	13 55	8 27	14 43	15 14	5 39	14 11	6 2
T 5	4 31	11 42	1s 5	7 30	1 21	15 52	2 45	20 9	1 9	13 0	0 55	16 20	1 51	18 21	0 43	21 51	1 14	13 55	8 27	14 44	15 15	5 37	14 9	6 2
W 6	4 8	8 12	2 6	7 58	1 1	16 18	2 50	20 0	1 10	12 55	0 55	16 22	1 51	18 22	0 43	21 52	1 14	13 55	8 27	14 44	15 16	5 35	14 8	6 3
T 7	3 45	4 24	3 2	8 23	0 42	16 43	2 55	19 52	1 10	12 51	0 55	16 23	1 51	18 22	0 43	21 52	1 14	13 55	8 27	14 45	15 17	5 33	14 6	6 3
F 8	3 22	0 25	3 50	8 42	0 23	17 7	3 0	19 43	1 11	12 47	0 55	16 24	1 51	18 22	0 43	21 52	1 14	13 54	8 27	14 47	15 18	5 31	14 5	6 4
S 9	2 58	3n35	4 29	8 58	0 5	17 32	3 5	19 34	1 11	12 42	0 55	16 26	1 50	18 23	0 43	21 52	1 14	13 54	8 27	14 49	15 19	5 29	14 3	6 4
S 10	2 35	7 29	4 56	9 8	0n12	17 56	3 10	19 25	1 12	12 38	0 55	16 27	1 50	18 23	0 43	21 52	1 14	13 54	8 27	14 51	15 20	5 27	14 2	6 5
M11	2 11	11 7	5 10	9 14	0 28	18 19	3 15	19 16	1 12	12 34	0 56	16 29	1 50	18 24	0 43	21 52	1 14	13 54	8 28	14 52	15 21	5 25	14 0	6 5
T 12	1 48	14 20	5 10	9 15	0 42	18 43	3 20	19 6	1 13	12 30	0 56	16 30	1 50	18 24	0 43	21 52	1 13	13 54	8 28	14 54	15 22	5 23	13 58	6 5
W13	1 24	16 58	4 55	9 11	0 55	19 5	3 25	18 57	1 14	12 25	0 56	16 32	1 50	18 24	0 43	21 52	1 13	13 54	8 28	14 55	15 23	5 21	13 57	6 6
T 14	1 1	18 50	4 26	9 3	1 7	19 28	3 30	18 47	1 14	12 21	0 56	16 33	1 49	18 25	0 43	21 52	1 13	13 53	8 28	14 55	15 24	5 19	13 55	6 6
F 15	0 37	19 46	3 42	8 50	1 18	19 50	3 35	18 38	1 15	12 17	0 56	16 35	1 49	18 25	0 43	21 52	1 13	13 53	8 28	14 55	15 25	5 17	13 54	6 7
S 16	0 14	19 37	2 45	8 34	1 27	20 11	3 40	18 28	1 15	12 13	0 56	16 36	1 49	18 25	0 43	21 53	1 13	13 53	8 28	14 55	15 26	5 15	13 52	6 7
S 17	0s10	18 16	1 37	8 13	1 35	20 32	3 44	18 18	1 16	12 8	0 56	16 38	1 49	18 26	0 42	21 53	1 13	13 53	8 28	14 55	15 27	5 13	13 50	6 8
M18	0 34	15 44	0 20	7 49	1 42	20 53	3 49	18 8	1 16	12 4	0 56	16 39	1 49	18 26	0 42	21 53	1 13	13 53	8 28	14 54	15 28	5 11	13 49	6 8
T 19	0 57	12 7	1n 0	7 22	1 47	21 13	3 54	17 58	1 17	12 0	0 57	16 41	1 48	18 26	0 42	21 53	1 13	13 53	8 29	14 54	15 29	5 9	13 47	6 9
W20	1 21	7 38	2 17	6 52	1 51	21 33	3 58	17 48	1 18	11 56	0 57	16 42	1 48	18 27	0 42	21 53	1 13	13 52	8 29	14 55	15 30	5 7	13 46	6 10
T 21	1 45	2 38	3 25	6 20	1 54	21 53	4 3	17 38	1 18	11 52	0 57	16 44	1 48	18 27	0 42	21 53	1 13	13 52	8 29	14 57	15 31	5 5	13 44	6 10
F 22	2 9	2s32	4 18	5 45	1 56	22 11	4 7	17 28	1 19	11 48	0 57	16 45	1 48	18 27	0 42	21 53	1 13	13 52	8 29	14 59	15 32	5 3	13 43	6 11
S 23	2 32	7 29	4 53	5 8	1 58	22 30	4 11	17 18	1 19	11 44	0 57	16 47	1 48	18 27	0 42	21 53	1 13	13 52	8 29	15 1	15 33	5 1	13 41	6 11
S 24	2 56	11 52	5 8	4 30	1 58	22 48	4 15	17 7	1 20	11 39	0 57	16 48	1 48	18 28	0 42	21 53	1 13	13 52	8 29	15 3	15 34	4 59	13 40	6 12
M25	3 19	15 26	5 2	3 50	1 58	23 5	4 19	16 57	1 21	11 35	0 57	16 50	1 47	18 28	0 42	21 54	1 13	13 52	8 29	15 5	15 35	4 57	13 38	6 12
T 26	3 43	18 1	4 39	3 9	1 56	23 22	4 23	16 46	1 21	11 31	0 58	16 52	1 47	18 28	0 42	21 54	1 13	13 51	8 30	15 7	15 36	4 55	13 37	6 13
W27	4 6	19 30	4 1	2 27	1 55	23 38	4 27	16 36	1 22	11 27	0 58	16 53	1 47	18 28	0 42	21 54	1 13	13 51	8 30	15 7	15 37	4 53	13 35	6 13
T 28	4 30	19 55	3 12	1 44	1 52	23 54	4 31	16 25	1 22	11 23	0 58	16 55	1 47	18 29	0 42	21 54	1 13	13 51	8 30	15 8	15 38	4 51	13 34	6 14
F 29	4 53	19 19	2 16	1 0	1 49	24 10	4 35	16 14	1 23	11 19	0 58	16 56	1 47	18 29	0 42	21 54	1 13	13 51	8 30	15 8	15 39	4 49	13 32	6 15
S 30	5s17	17s48	1n14	0n16	1n46	24s24	4s38	16n 3	1n23	11n15	0n58	16s58	1n47	18s29	0s42	21s54	1n13	13n51	8s30	15n 7	15n40	4s47	13n31	6s15

Julian Day Number = 2145356.5, Delta T = 14m49s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'06, Lahiri = 12°10'07 Julian Calendar 1 Sept. 1161 == Greg. Calendar 8 Sept. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

OCTOBER 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 4 41	14♎18'13	17♒26	5♎ 6	29♏11	21♌ 2	3♍28	23♏26	10°R 3	19♐18	11°R32	19°R15	17♌26	25♓23	2♌56	S 1
M 2	1 8 38	15°17'56	29°18	6°49	29°58	21°38	3°39	23°32	10♒ 2	19°19	11♊32	19♌14	17°23	25°30	3° 0	M 2
T 3	1 12 34	16°17'41	11♓ 7	8°31	0♐45	22°13	3°50	23°38	10° 2	19°20	11°31	19°11	17°19	25°37	3° 3	T 3
W 4	1 16 31	17°17'27	22°55	10°14	1°31	22°49	4° 2	23°44	10° 1	19°21	11°31	19° 6	17°16	25°43	3° 7	W 4
T 5	1 20 27	18°17'16	4♈46	11°56	2°15	23°24	4°13	23°50	10° 1	19°23	11°30	18°59	17°13	25°50	3°10	T 5
F 6	1 24 24	19°17'06	16°41	13°37	2°59	24° 0	4°23	23°56	10° 0	19°24	11°29	18°49	17°10	25°57	3°14	F 6
S 7	1 28 21	20°16'59	28°43	15°19	3°42	24°35	4°34	24° 2	10° 0	19°25	11°29	18°37	17° 7	26° 3	3°17	S 7
S 8	1 32 17	21°16'54	10♉52	16°59	4°24	25°10	4°45	24° 9	10° 0	19°27	11°28	18°25	17° 4	26°10	3°21	S 8
M 9	1 36 14	22°16'50	23° 9	18°40	5° 5	25°45	4°56	24°15	9°59	19°28	11°27	18°13	17° 0	26°17	3°24	M 9
T 10	1 40 10	23°16'49	5♊36	20°20	5°44	26°20	5° 7	24°21	9°59	19°30	11°27	18° 3	16°57	26°23	3°27	T 10
W11	1 44 7	24°16'50	18°14	21°59	6°23	26°55	5°17	24°28	9°59	19°31	11°26	17°55	16°54	26°30	3°30	W11
T 12	1 48 3	25°16'53	1♋ 4	23°38	7° 0	27°30	5°28	24°34	9°59	19°32	11°25	17°50	16°51	26°37	3°33	T 12
F 13	1 52 0	26°16'58	14°10	25°17	7°36	28° 5	5°38	24°41	9°D59	19°34	11°24	17°48	16°48	26°43	3°36	F 13
S 14	1 55 56	27°17'05	27°34	26°55	8°10	28°40	5°48	24°47	9°59	19°36	11°24	17°D47	16°45	26°50	3°38	S 14
S 15	1 59 53	28°17'15	11♌17	28°33	8°44	29°15	5°58	24°54	9°59	19°37	11°23	17°R47	16°41	26°57	3°41	S 15
M16	2 3 50	29°17'27	25°22	0♏10	9°16	29°49	6° 8	25° 0	9°59	19°39	11°22	17°47	16°38	27° 3	3°43	M16
T 17	2 7 46	0♏17'40	9♍49	1°47	9°46	0♍24	6°18	25° 7	9°59	19°40	11°21	17°45	16°35	27°10	3°46	T 17
W18	2 11 43	1°17'56	24°34	3°23	10°15	0°58	6°28	25°14	9°59	19°42	11°20	17°41	16°32	27°17	3°48	W18
T 19	2 15 39	2°18'14	9♎33	4°59	10°42	1°33	6°38	25°20	10° 0	19°44	11°20	17°34	16°29	27°23	3°50	T 19
F 20	2 19 36	3°18'34	24°37	6°35	11° 8	2° 7	6°48	25°27	10° 0	19°45	11°19	17°25	16°25	27°30	3°53	F 20
S 21	2 23 32	4°18'55	9♏37	8°10	11°32	2°41	6°58	25°34	10° 0	19°47	11°18	17°13	16°22	27°37	3°55	S 21
S 22	2 27 29	5°19'18	24°22	9°45	11°54	3°16	7° 7	25°40	10° 1	19°49	11°17	17° 2	16°19	27°43	3°57	S 22
M23	2 31 25	6°19'43	8♐45	11°20	12°14	3°50	7°16	25°47	10° 1	19°50	11°16	16°51	16°16	27°50	3°59	M23
T 24	2 35 22	7°20'10	22°41	12°54	12°32	4°24	7°26	25°54	10° 2	19°52	11°15	16°42	16°13	27°57	4° 0	T 24
W25	2 39 19	8°20'38	6♑ 8	14°28	12°49	4°58	7°35	26° 1	10° 2	19°54	11°14	16°36	16°10	28° 3	4° 2	W25
T 26	2 43 15	9°21'07	19° 6	16° 2	13° 3	5°32	7°44	26° 8	10° 3	19°56	11°13	16°33	16° 6	28°10	4° 3	T 26
F 27	2 47 12	10°21'38	1♒41	17°35	13°15	6° 5	7°53	26°15	10° 4	19°58	11°12	16°31	16° 3	28°17	4° 5	F 27
S 28	2 51 8	11°22'10	13°55	19° 8	13°26	6°39	8° 2	26°22	10° 4	20° 0	11°11	16°31	16° 0	28°23	4° 6	S 28
S 29	2 55 5	12°22'43	25°56	20°41	13°33	7°13	8°10	26°28	10° 5	20° 1	11°10	16°31	15°57	28°30	4° 8	S 29
M30	2 59 1	13°23'17	7♓47	22°14	13°39	7°46	8°19	26°35	10° 6	20° 3	11° 9	16°30	15°54	28°37	4° 9	M30
T 31	3 2 58	14♏23'53	19♓35	23♏46	13♐42	8♍19	8♍27	26♏42	10♒ 7	20♐ 5	11♊ 8	16♌26	15♌50	28♓44	4♌10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s40	15s31	0n10	0s29	1n42	24s39	4s42	15n52	1n24	11n11	0n58	17s 0	1n46	18s29	0s42	21s54	1n13	13n50	8s30	15n 7	15n41	4s45	13n30	6s16
M 2	6 3	12 36	0s54	1 13	1 38	24 52	4 45	15 41	1 25	11 7	0 58	17 1	1 46	18 29	0 42	21 55	1 13	13 50	8 30	15 7	15 42	4 43	13 28	6 16
T 3	6 26	9 12	1 55	1 58	1 33	25 5	4 48	15 30	1 25	11 3	0 59	17 3	1 46	18 29	0 42	21 55	1 12	13 50	8 30	15 8	15 43	4 41	13 27	6 17
W 4	6 49	5 25	2 50	2 43	1 28	25 18	4 51	15 19	1 26	10 59	0 59	17 5	1 46	18 29	0 42	21 55	1 12	13 50	8 30	15 10	15 44	4 39	13 25	6 17
T 5	7 12	1 26	3 38	3 28	1 23	25 30	4 54	15 8	1 26	10 55	0 59	17 6	1 46	18 29	0 42	21 55	1 12	13 50	8 31	15 12	15 45	4 37	13 24	6 18
F 6	7 35	2n38	4 17	4 13	1 17	25 42	4 57	14 57	1 27	10 52	0 59	17 8	1 46	18 30	0 42	21 55	1 12	13 50	8 31	15 15	15 46	4 35	13 23	6 19
S 7	7 58	6 37	4 45	4 57	1 12	25 52	4 59	14 46	1 28	10 48	0 59	17 10	1 46	18 30	0 42	21 55	1 12	13 49	8 31	15 19	15 47	4 33	13 21	6 19
S 8	8 20	10 24	5 0	5 42	1 6	26 3	5 1	14 34	1 28	10 44	0 59	17 11	1 46	18 30	0 42	21 55	1 12	13 49	8 31	15 23	15 48	4 31	13 20	6 20
M 9	8 43	13 46	5 2	6 26	1 0	26 13	5 3	14 23	1 29	10 40	1 0	17 13	1 45	18 30	0 42	21 56	1 12	13 49	8 31	15 26	15 48	4 29	13 19	6 21
T 10	9 5	16 35	4 49	7 9	0 53	26 22	5 5	14 12	1 29	10 36	1 0	17 15	1 45	18 30	0 42	21 56	1 12	13 49	8 31	15 29	15 49	4 27	13 17	6 21
W11	9 27	18 40	4 22	7 52	0 47	26 30	5 7	14 0	1 30	10 33	1 0	17 16	1 45	18 30	0 42	21 56	1 12	13 49	8 31	15 32	15 50	4 25	13 16	6 22
T 12	9 49	19 51	3 42	8 35	0 41	26 38	5 8	13 49	1 31	10 29	1 0	17 18	1 45	18 30	0 42	21 56	1 12	13 48	8 31	15 33	15 51	4 23	13 15	6 22
F 13	10 11	20 0	2 49	9 18	0 34	26 46	5 9	13 37	1 31	10 25	1 0	17 20	1 45	18 30	0 42	21 56	1 12	13 48	8 31	15 34	15 52	4 20	13 13	6 23
S 14	10 33	19 1	1 45	9 59	0 28	26 52	5 10	13 25	1 32	10 22	1 1	17 21	1 45	18 30	0 42	21 56	1 12	13 48	8 31	15 34	15 53	4 18	13 12	6 24
S 15	10 55	16 55	0 35	10 41	0 21	26 58	5 11	13 14	1 32	10 18	1 1	17 23	1 45	18 30	0 42	21 57	1 12	13 48	8 32	15 34	15 54	4 16	13 11	6 24
M16	11 16	13 45	0n40	11 21	0 14	27 4	5 11	13 2	1 33	10 15	1 1	17 25	1 45	18 30	0 42	21 57	1 12	13 48	8 32	15 34	15 55	4 14	13 10	6 25
T 17	11 38	9 41	1 54	12 2	0 8	27 9	5 12	12 50	1 34	10 11	1 1	17 26	1 44	18 29	0 42	21 57	1 12	13 47	8 32	15 35	15 56	4 12	13 9	6 26
W18	11 59	4 57	3 2	12 41	0 1	27 13	5 11	12 39	1 34	10 7	1 1	17 28	1 44	18 29	0 42	21 57	1 12	13 47	8 32	15 36	15 57	4 10	13 7	6 26
T 19	12 20	0s 9	3 58	13 20	0s 6	27 17	5 11	12 27	1 35	10 4	1 2	17 30	1 44	18 29	0 42	21 57	1 12	13 47	8 32	15 38	15 58	4 8	13 6	6 27
F 20	12 40	5 16	4 38	13 58	0 12	27 20	5 10	12 15	1 35	10 1	1 2	17 32	1 44	18 29	0 42	21 57	1 12	13 47	8 32	15 41	15 59	4 6	13 5	6 28
S 21	13 1	10 2	4 58	14 36	0 19	27 22	5 9	12 3	1 36	9 57	1 2	17 33	1 44	18 29	0 41	21 58	1 12	13 47	8 32	15 45	16 0	4 4	13 4	6 28
S 22	13 21	14 7	4 59	15 12	0 26	27 24	5 7	11 51	1 37	9 54	1 2	17 35	1 44	18 29	0 41	21 58	1 12	13 46	8 32	15 48	16 1	4 2	13 3	6 29
M23	13 41	17 15	4 40	15 48	0 32	27 24	5 6	11 39	1 37	9 50	1 2	17 37	1 44	18 29	0 41	21 58	1 12	13 46	8 32	15 51	16 2	4 0	13 2	6 30
T 24	14 1	19 17	4 4	16 23	0 38	27 25	5 3	11 27	1 38	9 47	1 3	17 38	1 44	18 29	0 41	21 58	1 12	13 46	8 32	15 54	16 3	3 58	13 1	6 30
W25	14 21	20 8	3 16	16 58	0 45	27 24	5 1	11 16	1 38	9 44	1 3	17 40	1 44	18 28	0 41	21 58	1 12	13 46	8 32	15 56	16 4	3 56	13 0	6 31
T 26	14 40	19 52	2 20	17 32	0 51	27 23	4 58	11 4	1 39	9 41	1 3	17 42	1 43	18 28	0 41	21 58	1 12	13 46	8 32	15 57	16 5	3 54	12 59	6 32
F 27	15 0	18 37	1 18	18 4	0 57	27 21	4 54	10 52	1 40	9 38	1 3	17 43	1 43	18 28	0 41	21 59	1 12	13 46	8 32	15 57	16 6	3 52	12 58	6 32
S 28	15 19	16 30	0 14	18 36	1 3	27 19	4 50	10 40	1 40	9 34	1 3	17 45	1 43	18 28	0 41	21 59	1 12	13 45	8 32	15 57	16 7	3 50	12 57	6 33
S 29	15 37	13 43	0s50	19 7	1 9	27 15	4 46	10 28	1 41	9 31	1 4	17 47	1 43	18 27	0 41	21 59	1 11	13 45	8 33	15 57	16 8	3 48	12 56	6 34
M30	15 56	10 23	1 50	19 37	1 15	27 11	4 41	10 16	1 41	9 28	1 4	17 48	1 43	18 27	0 41	21 59	1 11	13 45	8 33	15 58	16 9	3 45	12 55	6 34
T 31	16s14	6s40	2s45	20s 6	1s21	27s 6	4s35	10n 4	1n42	9n25	1n 4	17s50	1n43	18s27	0s41	21s59	1n11	13n45	8s33	15n59	16n10	3s43	12n54	6s35

Julian Day Number = 2145386.5, Delta T = 14m48s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'10, Lahiri = 12°10'11 Julian Calendar 1 Oct. 1161 == Greg. Calendar 8 Oct. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

NOVEMBER 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 6 54	15♏24'30	1♈24	25♏19	13°R43	8♍53	8♍36	26♏49	10♒ 8	20♐ 7	11°R 7	16°R20	15♌47	28♓50	4♌11	W 1
T 2	3 10 51	16°25'08	13°19	26°51	13♐41	9°26	8°44	26°56	10° 9	20° 9	11♊ 6	16♌11	15°44	28°57	4°12	T 2
F 3	3 14 47	17°25'48	25°20	28°22	13°37	9°59	8°52	27° 3	10°10	20°11	11° 5	15°59	15°41	29° 4	4°12	F 3
S 4	3 18 44	18°26'29	7♉32	29°54	13°30	10°32	9° 0	27°10	10°11	20°13	11° 4	15°45	15°38	29°10	4°13	S 4
S 5	3 22 41	19°27'11	19°54	1♐25	13°21	11° 5	9° 8	27°17	10°12	20°15	11° 3	15°31	15°35	29°17	4°13	S 5
M 6	3 26 37	20°27'55	2♊27	2°56	13°10	11°38	9°16	27°24	10°13	20°17	11° 2	15°17	15°31	29°24	4°14	M 6
T 7	3 30 34	21°28'40	15°11	4°27	12°56	12°11	9°23	27°31	10°14	20°19	11° 1	15° 4	15°28	29°30	4°14	T 7
W 8	3 34 30	22°29'26	28° 6	5°58	12°40	12°43	9°31	27°38	10°16	20°21	11° 0	14°55	15°25	29°37	4°14	W 8
T 9	3 38 27	23°30'14	11♋11	7°28	12°21	13°16	9°38	27°46	10°17	20°23	10°58	14°48	15°22	29°44	4°15	T 9
F 10	3 42 23	24°31'04	24°28	8°58	12° 0	13°48	9°45	27°53	10°18	20°25	10°57	14°44	15°19	29°50	4°R15	F 10
S 11	3 46 20	25°31'55	7♌56	10°28	11°36	14°20	9°52	28° 0	10°20	20°27	10°56	14°43	15°16	29°57	4°14	S 11
S 12	3 50 17	26°32'47	21°38	11°57	11°11	14°53	9°59	28° 7	10°21	20°29	10°55	14°43	15°12	0♈ 4	4°14	S 12
M13	3 54 13	27°33'41	5♍34	13°26	10°44	15°25	10° 6	28°14	10°23	20°32	10°54	14°43	15° 9	0°10	4°14	M13
T 14	3 58 10	28°34'36	19°45	14°54	10°15	15°57	10°13	28°21	10°24	20°34	10°53	14°41	15° 6	0°17	4°14	T 14
W15	4 2 6	29°35'33	4♎ 9	16°22	9°44	16°29	10°19	28°28	10°26	20°36	10°52	14°37	15° 3	0°24	4°13	W15
T 16	4 6 3	0♐36'31	18°43	17°49	9°12	17° 0	10°25	28°35	10°28	20°38	10°50	14°31	15° 0	0°30	4°12	T 16
F 17	4 9 59	1°37'30	3♏23	19°15	8°38	17°32	10°31	28°42	10°29	20°40	10°49	14°21	14°56	0°37	4°12	F 17
S 18	4 13 56	2°38'30	18° 1	20°41	8° 4	18° 3	10°37	28°49	10°31	20°42	10°48	14°10	14°53	0°44	4°11	S 18
S 19	4 17 52	3°39'31	2♐29	22° 5	7°28	18°35	10°43	28°56	10°33	20°45	10°47	13°59	14°50	0°51	4°10	S 19
M20	4 21 49	4°40'34	16°41	23°28	6°53	19° 6	10°49	29° 3	10°35	20°47	10°46	13°48	14°47	0°57	4° 9	M20
T 21	4 25 46	5°41'37	0♑31	24°49	6°16	19°37	10°55	29°10	10°37	20°49	10°45	13°39	14°44	1° 4	4° 8	T 21
W22	4 29 42	6°42'41	13°57	26° 9	5°40	20° 8	11° 0	29°17	10°38	20°51	10°44	13°33	14°41	1°11	4° 7	W22
T 23	4 33 39	7°43'45	26°57	27°26	5° 4	20°39	11° 5	29°24	10°40	20°53	10°42	13°29	14°37	1°17	4° 5	T 23
F 24	4 37 35	8°44'51	9♒34	28°41	4°28	21° 9	11°10	29°31	10°42	20°56	10°41	13°D28	14°34	1°24	4° 4	F 24
S 25	4 41 32	9°45'56	21°52	29°53	3°53	21°40	11°15	29°38	10°44	20°58	10°40	13°28	14°31	1°31	4° 2	S 25
S 26	4 45 28	10°47'02	3♓55	1♑ 2	3°18	22°10	11°20	29°45	10°47	21° 0	10°39	13°28	14°28	1°37	4° 1	S 26
M27	4 49 25	11°48'08	15°48	2° 7	2°45	22°41	11°24	29°52	10°49	21° 2	10°38	13°R28	14°25	1°44	3°59	M27
T 28	4 53 21	12°49'15	27°38	3° 8	2°13	23°11	11°29	29°59	10°51	21° 5	10°36	13°27	14°22	1°51	3°57	T 28
W29	4 57 18	13°50'22	9♈29	4° 4	1°43	23°41	11°33	0♐ 6	10°53	21° 7	10°35	13°23	14°18	1°57	3°55	W29
T 30	5 1 15	14♐51'29	21♈25	4♑54	1♐14	24♍10	11♍37	0♐13	10♒55	21♐ 9	10♊34	13♌17	14♌15	2♈ 4	3♌53	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s32	2s42	3s34	20s34	1s26	27s 0	4s29	9n52	1n43	9n22	1n 4	17s52	1n43	18s27	0s41	21s59	1n11	13n45	8s33	16n 1	16n10	3s41	12n53	6s36
T 2	16 49	1n24	4 13	21 2	1 32	26 53	4 23	9 40	1 43	9 20	1 4	17 54	1 43	18 26	0 41	22 0	1 11	13 45	8 33	16 3	16 11	3 39	12 52	6 36
F 3	17 7	5 29	4 41	21 28	1 37	26 46	4 15	9 28	1 44	9 17	1 5	17 55	1 43	18 26	0 41	22 0	1 11	13 44	8 33	16 7	16 12	3 37	12 51	6 37
S 4	17 24	9 24	4 57	21 53	1 42	26 37	4 8	9 16	1 45	9 14	1 5	17 57	1 43	18 26	0 41	22 0	1 11	13 44	8 33	16 11	16 13	3 35	12 51	6 38
S 5	17 40	13 0	4 59	22 17	1 47	26 28	4 0	9 4	1 45	9 11	1 5	17 59	1 43	18 25	0 41	22 0	1 11	13 44	8 33	16 15	16 14	3 33	12 50	6 38
M 6	17 57	16 4	4 47	22 39	1 51	26 18	3 51	8 52	1 46	9 8	1 5	18 0	1 43	18 25	0 41	22 0	1 11	13 44	8 33	16 20	16 15	3 31	12 49	6 39
T 7	18 13	18 25	4 20	23 1	1 55	26 6	3 41	8 40	1 47	9 6	1 6	18 2	1 43	18 25	0 41	22 0	1 11	13 44	8 33	16 23	16 16	3 29	12 48	6 40
W 8	18 29	19 52	3 40	23 22	2 0	25 54	3 31	8 28	1 47	9 3	1 6	18 3	1 42	18 24	0 41	22 1	1 11	13 43	8 33	16 26	16 17	3 27	12 48	6 40
T 9	18 44	20 18	2 47	23 41	2 3	25 41	3 21	8 16	1 48	9 1	1 6	18 5	1 42	18 24	0 41	22 1	1 11	13 43	8 33	16 28	16 18	3 25	12 47	6 41
F 10	18 59	19 36	1 45	23 59	2 7	25 27	3 9	8 4	1 48	8 58	1 6	18 7	1 42	18 24	0 41	22 1	1 11	13 43	8 33	16 29	16 19	3 23	12 46	6 42
S 11	19 14	17 47	0 36	24 16	2 10	25 12	2 58	7 52	1 49	8 56	1 7	18 8	1 42	18 23	0 41	22 1	1 11	13 43	8 33	16 29	16 20	3 20	12 46	6 42
S 12	19 28	14 56	0n37	24 31	2 13	24 57	2 45	7 40	1 50	8 53	1 7	18 10	1 42	18 23	0 41	22 1	1 11	13 43	8 33	16 29	16 21	3 18	12 45	6 43
M13	19 42	11 11	1 48	24 45	2 15	24 40	2 32	7 28	1 50	8 51	1 7	18 12	1 42	18 22	0 41	22 1	1 11	13 43	8 33	16 30	16 22	3 16	12 45	6 44
T 14	19 56	6 45	2 54	24 58	2 17	24 23	2 19	7 16	1 51	8 49	1 7	18 13	1 42	18 22	0 41	22 2	1 11	13 43	8 33	16 30	16 23	3 14	12 44	6 44
W15	20 9	1 52	3 50	25 9	2 19	24 4	2 5	7 5	1 52	8 46	1 8	18 15	1 42	18 21	0 41	22 2	1 11	13 42	8 33	16 31	16 24	3 12	12 43	6 45
T 16	20 22	3s10	4 32	25 19	2 20	23 45	1 51	6 53	1 52	8 44	1 8	18 16	1 42	18 21	0 41	22 2	1 11	13 42	8 33	16 33	16 25	3 10	12 43	6 46
F 17	20 35	8 3	4 56	25 27	2 21	23 26	1 36	6 41	1 53	8 42	1 8	18 18	1 42	18 20	0 41	22 2	1 11	13 42	8 33	16 36	16 26	3 8	12 42	6 46
S 18	20 47	12 27	5 1	25 34	2 21	23 5	1 22	6 29	1 54	8 40	1 8	18 20	1 42	18 20	0 41	22 2	1 11	13 42	8 33	16 39	16 26	3 6	12 42	6 47
S 19	20 59	16 4	4 46	25 39	2 21	22 45	1 6	6 17	1 54	8 38	1 9	18 21	1 42	18 19	0 41	22 3	1 11	13 42	8 33	16 42	16 27	3 4	12 42	6 48
M20	21 10	18 40	4 14	25 43	2 20	22 24	0 51	6 6	1 55	8 36	1 9	18 23	1 42	18 19	0 41	22 3	1 11	13 42	8 33	16 46	16 28	3 2	12 41	6 48
T 21	21 21	20 5	3 27	25 45	2 19	22 2	0 35	5 54	1 56	8 34	1 9	18 24	1 42	18 18	0 41	22 3	1 11	13 42	8 33	16 48	16 29	2 59	12 41	6 49
W22	21 32	20 19	2 30	25 46	2 17	21 40	0 20	5 43	1 56	8 33	1 9	18 26	1 42	18 18	0 41	22 3	1 11	13 41	8 33	16 50	16 30	2 57	12 41	6 50
T 23	21 42	19 26	1 27	25 45	2 14	21 18	0 4	5 31	1 57	8 31	1 10	18 27	1 42	18 17	0 40	22 3	1 11	13 41	8 33	16 51	16 31	2 55	12 40	6 50
F 24	21 52	17 36	0 21	25 42	2 10	20 57	0n11	5 19	1 58	8 29	1 10	18 29	1 42	18 17	0 40	22 3	1 11	13 41	8 33	16 51	16 32	2 53	12 40	6 51
S 25	22 1	14 59	0s45	25 38	2 5	20 35	0 27	5 8	1 59	8 27	1 10	18 30	1 42	18 16	0 40	22 4	1 11	13 41	8 33	16 51	16 33	2 51	12 40	6 51
S 26	22 10	11 47	1 47	25 33	2 0	20 13	0 42	4 57	1 59	8 26	1 10	18 32	1 42	18 15	0 40	22 4	1 11	13 41	8 33	16 51	16 34	2 49	12 39	6 52
M27	22 18	8 8	2 44	25 25	1 54	19 52	0 57	4 45	2 0	8 24	1 11	18 33	1 42	18 15	0 40	22 4	1 11	13 41	8 33	16 51	16 35	2 47	12 39	6 53
T 28	22 26	4 12	3 33	25 17	1 46	19 31	1 12	4 34	2 1	8 23	1 11	18 35	1 42	18 14	0 40	22 4	1 11	13 41	8 32	16 52	16 36	2 45	12 39	6 53
W29	22 34	0 7	4 14	25 7	1 38	19 11	1 26	4 23	2 1	8 22	1 11	18 36	1 42	18 14	0 40	22 4	1 11	13 41	8 32	16 53	16 37	2 43	12 39	6 54
T 30	22s41	4n 1	4s43	24s56	1s28	18s52	1n40	4n11	2n 2	8n20	1n12	18s38	1n42	18s13	0s40	22s 4	1n11	13n41	8s32	16n54	16n38	2s40	12n39	6s54

Julian Day Number = 2145417.5, Delta T = 14m48s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'15, Lahiri = 12°10'15 Julian Calendar 1 Nov. 1161 == Greg. Calendar 8 Nov. 1161

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ASTRODIENST EPHEMERIS for the year 1161
geocentric

DECEMBER 1161 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 5 11	15♐52'37	3♉32	5♋37	0°R48	24♍40	11♍41	0♐20	10♒58	21♐11	10°R33	13°R 9	14♌12	2♈11	3°R51	F 1
S 2	5 9 8	16°53'45	15°51	6°13	0♐23	25° 9	11°44	0°27	11° 0	21°14	10♊32	12♌59	14° 9	2°17	3♌49	S 2
S 3	5 13 4	17°54'53	28°25	6°40	0° 0	25°39	11°48	0°34	11° 2	21°16	10°31	12°49	14° 6	2°24	3°47	S 3
M 4	5 17 1	18°56'01	11♊14	6°58	29♏40	26° 8	11°51	0°41	11° 5	21°18	10°29	12°38	14° 2	2°31	3°44	M 4
T 5	5 20 57	19°57'10	24°19	7°R 6	29°22	26°37	11°54	0°48	11° 7	21°20	10°28	12°29	13°59	2°38	3°42	T 5
W 6	5 24 54	20°58'20	7♋36	7° 3	29° 7	27° 6	11°57	0°54	11°10	21°23	10°27	12°22	13°56	2°44	3°39	W 6
T 7	5 28 50	21°59'29	21° 5	6°49	28°54	27°34	12° 0	1° 1	11°12	21°25	10°26	12°18	13°53	2°51	3°37	T 7
F 8	5 32 47	23° 0'40	4♌45	6°23	28°43	28° 3	12° 3	1° 8	11°15	21°27	10°25	12°15	13°50	2°58	3°34	F 8
S 9	5 36 44	24° 1'50	18°32	5°45	28°35	28°31	12° 5	1°15	11°17	21°30	10°24	12°D15	13°47	3° 4	3°31	S 9
S 10	5 40 40	25° 3'01	2♍27	4°56	28°30	28°59	12° 7	1°21	11°20	21°32	10°23	12°16	13°43	3°11	3°28	S 10
M11	5 44 37	26° 4'12	16°27	3°56	28°27	29°27	12° 9	1°28	11°23	21°34	10°21	12°18	13°40	3°18	3°26	M11
T 12	5 48 33	27° 5'24	0♎34	2°48	28°D26	29°54	12°11	1°35	11°25	21°36	10°20	12°R18	13°37	3°24	3°22	T 12
W13	5 52 30	28° 6'36	14°44	1°33	28°28	0♎22	12°13	1°41	11°28	21°39	10°19	12°17	13°34	3°31	3°19	W13
T 14	5 56 26	29° 7'48	28°57	0°13	28°32	0°49	12°14	1°48	11°31	21°41	10°18	12°13	13°31	3°38	3°16	T 14
F 15	6 0 23	0♏ 9'01	13♏ 9	28♐52	28°39	1°16	12°16	1°54	11°34	21°43	10°17	12° 8	13°28	3°44	3°13	F 15
S 16	6 4 19	1°10'14	27°18	27°32	28°48	1°43	12°17	2° 1	11°36	21°45	10°16	12° 2	13°24	3°51	3°10	S 16
S 17	6 8 16	2°11'27	11♐18	26°15	28°59	2°10	12°18	2° 7	11°39	21°48	10°15	11°55	13°21	3°58	3° 6	S 17
M18	6 12 13	3°12'40	25° 5	25° 3	29°13	2°36	12°18	2°14	11°42	21°50	10°14	11°48	13°18	4° 5	3° 3	M18
T 19	6 16 9	4°13'52	8♏37	23°59	29°28	3° 2	12°19	2°20	11°45	21°52	10°13	11°43	13°15	4°11	2°59	T 19
W20	6 20 6	5°15'05	21°49	23° 4	29°46	3°28	12°19	2°27	11°48	21°54	10°12	11°39	13°12	4°18	2°56	W20
T 21	6 24 2	6°16'17	4♒43	22°18	0♐ 5	3°54	12°R19	2°33	11°51	21°57	10°11	11°37	13° 8	4°25	2°52	T 21
F 22	6 27 59	7°17'29	17°17	21°42	0°27	4°19	12°19	2°39	11°54	21°59	10°10	11°D37	13° 5	4°31	2°48	F 22
S 23	6 31 55	8°18'40	29°34	21°16	0°50	4°44	12°19	2°45	11°57	22° 1	10° 9	11°38	13° 2	4°38	2°44	S 23
S 24	6 35 52	9°19'51	11♓39	21° 0	1°15	5° 9	12°19	2°51	12° 0	22° 3	10° 8	11°40	12°59	4°45	2°40	S 24
M25	6 39 48	10°21'01	23°34	20°D53	1°42	5°34	12°18	2°58	12° 3	22° 5	10° 7	11°42	12°56	4°51	2°37	M25
T 26	6 43 45	11°22'10	5♈25	20°55	2°11	5°58	12°17	3° 4	12° 6	22° 8	10° 6	11°43	12°53	4°58	2°33	T 26
W27	6 47 42	12°23'19	17°16	21° 4	2°41	6°22	12°16	3°10	12° 9	22°10	10° 5	11°R43	12°49	5° 5	2°29	W27
T 28	6 51 38	13°24'26	29°13	21°22	3°13	6°46	12°15	3°16	12°12	22°12	10° 4	11°42	12°46	5°11	2°25	T 28
F 29	6 55 35	14°25'33	11♉21	21°46	3°46	7° 9	12°14	3°22	12°16	22°14	10° 3	11°39	12°43	5°18	2°20	F 29
S 30	6 59 31	15°26'39	23°42	22°16	4°20	7°33	12°12	3°27	12°19	22°16	10° 2	11°36	12°40	5°25	2°16	S 30
S 31	7 3 28	16♏27'45	6♊22	22♐52	4♐56	7♎56	12♍10	3♐33	12♒22	22♐18	10♊ 1	11♌32	12♌37	5♈32	2♌12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s48	8n 2	5s 1	24s43	1s18	18s33	1n54	4n 0	2n 3	8n19	1n12	18s39	1n42	18s12	0s40	22s 5	1n11	13n40	8s32	16n57	16n39	2s38	12n39	6s55
S 2	22 54	11 48	5 5	24 29	1 6	18 15	2 7	3 49	2 3	8 18	1 12	18 41	1 42	18 12	0 40	22 5	1 11	13 40	8 32	16 59	16 39	2 36	12 39	6 56
S 3	23 0	15 7	4 54	24 15	0 52	17 58	2 20	3 38	2 4	8 17	1 12	18 42	1 42	18 11	0 40	22 5	1 11	13 40	8 32	17 2	16 40	2 34	12 39	6 56
M 4	23 5	17 48	4 28	23 59	0 38	17 42	2 32	3 27	2 5	8 16	1 13	18 44	1 42	18 10	0 40	22 5	1 11	13 40	8 32	17 5	16 41	2 32	12 39	6 57
T 5	23 10	19 37	3 48	23 43	0 22	17 27	2 44	3 16	2 6	8 15	1 13	18 45	1 42	18 10	0 40	22 5	1 11	13 40	8 32	17 8	16 42	2 30	12 39	6 57
W 6	23 14	20 25	2 55	23 26	0 5	17 12	2 55	3 6	2 6	8 14	1 13	18 46	1 42	18 9	0 40	22 5	1 11	13 40	8 32	17 10	16 43	2 28	12 39	6 58
T 7	23 18	20 3	1 51	23 9	0n13	16 59	3 5	2 55	2 7	8 13	1 13	18 48	1 42	18 8	0 40	22 5	1 11	13 40	8 32	17 11	16 44	2 26	12 39	6 58
F 8	23 22	18 31	0 40	22 51	0 32	16 47	3 15	2 44	2 8	8 13	1 14	18 49	1 42	18 7	0 40	22 6	1 11	13 40	8 32	17 12	16 45	2 23	12 39	6 59
S 9	23 25	15 52	0n34	22 33	0 52	16 36	3 25	2 33	2 9	8 12	1 14	18 50	1 42	18 7	0 40	22 6	1 11	13 40	8 32	17 12	16 46	2 21	12 39	6 59
S 10	23 27	12 19	1 47	22 15	1 12	16 27	3 33	2 23	2 9	8 11	1 14	18 52	1 42	18 6	0 40	22 6	1 11	13 40	8 32	17 12	16 47	2 19	12 39	7 0
M11	23 29	8 2	2 54	21 58	1 32	16 18	3 42	2 13	2 10	8 11	1 15	18 53	1 42	18 5	0 40	22 6	1 11	13 40	8 32	17 11	16 48	2 17	12 39	7 0
T 12	23 31	3 18	3 51	21 40	1 51	16 10	3 49	2 2	2 11	8 10	1 15	18 54	1 42	18 4	0 40	22 6	1 11	13 40	8 31	17 11	16 49	2 15	12 40	7 1
W13	23 32	1s37	4 34	21 24	2 9	16 4	3 57	1 52	2 12	8 10	1 15	18 56	1 42	18 4	0 40	22 6	1 11	13 40	8 31	17 12	16 50	2 13	12 40	7 1
T 14	23 33	6 27	5 1	21 8	2 25	15 58	4 3	1 42	2 12	8 10	1 15	18 57	1 42	18 3	0 40	22 7	1 11	13 40	8 31	17 12	16 50	2 11	12 40	7 2
F 15	23 33	10 57	5 9	20 53	2 40	15 53	4 10	1 32	2 13	8 9	1 16	18 58	1 42	18 2	0 40	22 7	1 11	13 39	8 31	17 14	16 51	2 8	12 40	7 2
S 16	23 32	14 48	4 58	20 39	2 52	15 50	4 15	1 22	2 14	8 9	1 16	19 0	1 42	18 1	0 40	22 7	1 11	13 39	8 31	17 16	16 52	2 6	12 41	7 3
S 17	23 32	17 47	4 30	20 28	3 2	15 47	4 20	1 12	2 15	8 9	1 16	19 1	1 42	18 0	0 40	22 7	1 11	13 39	8 31	17 18	16 53	2 4	12 41	7 3
M18	23 30	19 41	3 46	20 18	3 10	15 45	4 25	1 2	2 15	8 9	1 17	19 2	1 42	18 0	0 40	22 7	1 11	13 39	8 31	17 20	16 54	2 2	12 42	7 3
T 19	23 29	20 26	2 50	20 10	3 15	15 44	4 29	0 52	2 16	8 9	1 17	19 3	1 42	17 59	0 40	22 7	1 11	13 39	8 31	17 21	16 55	2 0	12 42	7 4
W20	23 26	20 2	1 46	20 5	3 17	15 44	4 33	0 43	2 17	8 9	1 17	19 5	1 42	17 58	0 40	22 7	1 11	13 39	8 31	17 22	16 56	1 58	12 42	7 4
T 21	23 24	18 34	0 38	20 2	3 18	15 45	4 37	0 33	2 18	8 10	1 18	19 6	1 42	17 57	0 40	22 7	1 11	13 39	8 30	17 23	16 57	1 56	12 43	7 5
F 22	23 21	16 13	0s31	20 1	3 16	15 46	4 40	0 24	2 18	8 10	1 18	19 7	1 42	17 56	0 40	22 8	1 11	13 39	8 30	17 23	16 58	1 53	12 43	7 5
S 23	23 17	13 11	1 37	20 3	3 13	15 49	4 42	0 14	2 19	8 10	1 18	19 8	1 42	17 55	0 40	22 8	1 11	13 39	8 30	17 22	16 59	1 51	12 44	7 5
S 24	23 13	9 39	2 37	20 6	3 9	15 51	4 45	0 5	2 20	8 11	1 18	19 9	1 42	17 54	0 40	22 8	1 11	13 39	8 30	17 22	17 0	1 49	12 44	7 6
M25	23 8	5 46	3 30	20 11	3 3	15 55	4 47	0s 4	2 21	8 11	1 19	19 10	1 42	17 54	0 40	22 8	1 11	13 39	8 30	17 21	17 0	1 47	12 45	7 6
T 26	23 3	1 43	4 13	20 18	2 56	15 59	4 48	0 13	2 22	8 12	1 19	19 11	1 42	17 53	0 40	22 8	1 11	13 39	8 30	17 21	17 1	1 45	12 45	7 6
W27	22 58	2n25	4 46	20 26	2 49	16 3	4 49	0 22	2 22	8 12	1 19	19 13	1 42	17 52	0 40	22 8	1 11	13 39	8 30	17 21	17 2	1 43	12 46	7 7
T 28	22 52	6 28	5 6	20 36	2 41	16 9	4 50	0 30	2 23	8 13	1 20	19 14	1 42	17 51	0 40	22 8	1 11	13 39	8 29	17 21	17 3	1 40	12 47	7 7
F 29	22 46	10 20	5 14	20 46	2 32	16 14	4 51	0 39	2 24	8 14	1 20	19 15	1 42	17 50	0 40	22 9	1 11	13 39	8 29	17 22	17 4	1 38	12 47	7 7
S 30	22 39	13 50	5 7	20 57	2 23	16 20	4 51	0 47	2 25	8 15	1 20	19 16	1 42	17 49	0 40	22 9	1 11	13 39	8 29	17 23	17 5	1 36	12 48	7 7
S 31	22s32	16n47	4s45	21s 8	2n13	16s26	4n51	0s56	2n26	8n16	1n20	19s17	1n43	17s48	0s40	22s 9	1n11	13n39	8s29	17n24	17n 6	1s34	12n49	7s 8

Julian Day Number = 2145447.5, Delta T = 14m48s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'19, Lahiri = 12°10'19 Julian Calendar 1 Dec. 1161 == Greg. Calendar 8 Dec. 1161

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

JANUARY 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 7 24	17♉28'49	19♊21	23♐33	5♐34	8♎18	12°R 8	3♐39	12♒25	22♐20	10°R 0	11°R28	12♌34	5♈38	2°R 8	M 1
T 2	7 11 21	18°29'53	2♋40	24°19	6°12	8°40	12♍ 6	3°45	12°28	22°22	9♊59	11♌24	12°30	5°45	2♌ 4	T 2
W 3	7 15 17	19°30'56	16°18	25° 8	6°52	9° 2	12° 4	3°50	12°32	22°25	9°58	11°21	12°27	5°52	1°59	W 3
T 4	7 19 14	20°31'58	0♌13	26° 2	7°33	9°24	12° 1	3°56	12°35	22°27	9°57	11°20	12°24	5°58	1°55	T 4
F 5	7 23 11	21°32'59	14°20	26°59	8°15	9°46	11°58	4° 1	12°38	22°29	9°56	11°D20	12°21	6° 5	1°51	F 5
S 6	7 27 7	22°33'59	28°36	27°59	8°58	10° 7	11°55	4° 7	12°41	22°31	9°56	11°20	12°18	6°12	1°46	S 6
S 7	7 31 4	23°34'59	12♍56	29° 1	9°43	10°27	11°52	4°12	12°45	22°33	9°55	11°21	12°14	6°18	1°42	S 7
M 8	7 35 0	24°35'58	27°17	0♉ 7	10°28	10°48	11°49	4°18	12°48	22°35	9°54	11°23	12°11	6°25	1°38	M 8
T 9	7 38 57	25°36'56	11♎34	1°14	11°14	11° 8	11°46	4°23	12°51	22°37	9°53	11°24	12° 8	6°32	1°33	T 9
W10	7 42 53	26°37'54	25°45	2°24	12° 1	11°27	11°42	4°28	12°55	22°39	9°52	11°R24	12° 5	6°39	1°29	W10
T 11	7 46 50	27°38'51	9♏49	3°35	12°50	11°46	11°38	4°33	12°58	22°41	9°52	11°24	12° 2	6°45	1°24	T 11
F 12	7 50 46	28°39'47	23°43	4°49	13°38	12° 5	11°34	4°39	13° 2	22°43	9°51	11°23	11°59	6°52	1°20	F 12
S 13	7 54 43	29°40'43	7♐27	6° 4	14°28	12°24	11°30	4°44	13° 5	22°44	9°50	11°22	11°55	6°59	1°15	S 13
S 14	7 58 40	0♒41'38	20°59	7°20	15°19	12°42	11°26	4°49	13° 8	22°46	9°50	11°20	11°52	7° 5	1°11	S 14
M15	8 2 36	1°42'31	4♉18	8°38	16°10	12°59	11°21	4°53	13°12	22°48	9°49	11°19	11°49	7°12	1° 6	M15
T 16	8 6 33	2°43'24	17°24	9°58	17° 2	13°16	11°17	4°58	13°15	22°50	9°48	11°18	11°46	7°19	1° 2	T 16
W17	8 10 29	3°44'15	0♒15	11°18	17°55	13°33	11°12	5° 3	13°19	22°52	9°48	11°17	11°43	7°25	0°57	W17
T 18	8 14 26	4°45'06	12°53	12°40	18°48	13°49	11° 7	5° 8	13°22	22°54	9°47	11°D17	11°40	7°32	0°53	T 18
F 19	8 18 22	5°45'55	25°17	14° 3	19°42	14° 5	11° 2	5°12	13°26	22°56	9°46	11°17	11°36	7°39	0°48	F 19
S 20	8 22 19	6°46'42	7♓29	15°27	20°37	14°21	10°56	5°17	13°29	22°57	9°46	11°17	11°33	7°46	0°44	S 20
S 21	8 26 16	7°47'28	19°32	16°52	21°32	14°35	10°51	5°21	13°32	22°59	9°45	11°18	11°30	7°52	0°39	S 21
M22	8 30 12	8°48'12	1♈26	18°18	22°27	14°50	10°45	5°26	13°36	23° 1	9°45	11°18	11°27	7°59	0°35	M22
T 23	8 34 9	9°48'55	13°17	19°45	23°24	15° 4	10°40	5°30	13°39	23° 3	9°44	11°19	11°24	8° 6	0°30	T 23
W24	8 38 5	10°49'36	25° 9	21°13	24°20	15°17	10°34	5°34	13°43	23° 4	9°44	11°19	11°20	8°12	0°26	W24
T 25	8 42 2	11°50'16	7♉ 4	22°42	25°18	15°30	10°28	5°38	13°46	23° 6	9°43	11°19	11°17	8°19	0°22	T 25
F 26	8 45 58	12°50'53	19°10	24°12	26°16	15°42	10°22	5°42	13°50	23° 8	9°43	11°19	11°14	8°26	0°17	F 26
S 27	8 49 55	13°51'29	1♊29	25°43	27°14	15°54	10°15	5°46	13°53	23° 9	9°42	11°19	11°11	8°32	0°13	S 27
S 28	8 53 51	14°52'04	14° 6	27°15	28°12	16° 6	10° 9	5°50	13°57	23°11	9°42	11°19	11° 8	8°39	0° 9	S 28
M29	8 57 48	15°52'36	27° 6	28°48	29°12	16°16	10° 2	5°54	14° 0	23°12	9°41	11°19	11° 5	8°46	0° 4	M29
T 30	9 1 45	16°53'07	10♋29	0♒21	0♉11	16°26	9°56	5°58	14° 4	23°14	9°41	11°20	11° 1	8°53	0° 0	T 30
W31	9 5 41	17♒53'35	24♋17	1♒56	1♉11	16♎36	9♍49	6♐ 2	14♒ 7	23♐15	9♊41	11♌20	10♌58	8♈59	29♋56	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl	lat
M 1	22s24	19n 0	4s 8	21s20	2n 4	16s33	4n51	1s 4	2n26	8n17	1n21	19s18	1n43	17s47	0s40	22s 9	1n11	13n39	8s29	17n25	17n 7	1s32	12n49	7s 8
T 2	22 16	20 14	3 17	21 32	1 54	16 40	4 51	1 12	2 27	8 18	1 21	19 19	1 43	17 46	0 40	22 9	1 11	13 39	8 29	17 26	17 8	1 30	12 50	7 8
W 3	22 7	20 20	2 14	21 43	1 44	16 47	4 50	1 20	2 28	8 19	1 21	19 20	1 43	17 45	0 40	22 9	1 11	13 40	8 28	17 27	17 9	1 27	12 51	7 8
T 4	21 58	19 12	1 1	21 55	1 34	16 55	4 49	1 28	2 29	8 20	1 22	19 21	1 43	17 44	0 40	22 9	1 11	13 40	8 28	17 27	17 9	1 25	12 51	7 8
F 5	21 49	16 52	0n17	22 6	1 24	17 3	4 48	1 35	2 30	8 22	1 22	19 22	1 43	17 44	0 40	22 9	1 11	13 40	8 28	17 27	17 10	1 23	12 52	7 8
S 6	21 39	13 29	1 34	22 17	1 15	17 11	4 46	1 43	2 31	8 23	1 22	19 23	1 43	17 43	0 40	22 9	1 11	13 40	8 28	17 27	17 11	1 21	12 53	7 9
S 7	21 29	9 17	2 46	22 28	1 5	17 19	4 45	1 50	2 31	8 24	1 22	19 24	1 43	17 42	0 40	22 9	1 11	13 40	8 28	17 27	17 12	1 19	12 54	7 9
M 8	21 18	4 34	3 47	22 37	0 55	17 27	4 43	1 57	2 32	8 26	1 23	19 25	1 43	17 41	0 40	22 10	1 11	13 40	8 28	17 27	17 13	1 17	12 55	7 9
T 9	21 7	0s23	4 35	22 47	0 46	17 35	4 41	2 4	2 33	8 28	1 23	19 25	1 43	17 40	0 40	22 10	1 11	13 40	8 27	17 26	17 14	1 14	12 56	7 9
W10	20 55	5 16	5 5	22 55	0 37	17 44	4 39	2 11	2 34	8 29	1 23	19 26	1 43	17 39	0 40	22 10	1 11	13 40	8 27	17 26	17 15	1 12	12 56	7 9
T 11	20 43	9 49	5 16	23 2	0 27	17 52	4 36	2 18	2 35	8 31	1 23	19 27	1 43	17 38	0 40	22 10	1 11	13 40	8 27	17 26	17 16	1 10	12 57	7 9
F 12	20 31	13 48	5 9	23 9	0 18	18 1	4 34	2 25	2 36	8 33	1 24	19 28	1 43	17 37	0 40	22 10	1 11	13 40	8 27	17 27	17 17	1 8	12 58	7 9
S 13	20 19	16 58	4 44	23 15	0 10	18 9	4 31	2 31	2 36	8 34	1 24	19 29	1 43	17 36	0 40	22 10	1 11	13 40	8 27	17 27	17 17	1 6	12 59	7 9
S 14	20 5	19 11	4 4	23 19	0 1	18 17	4 28	2 37	2 37	8 36	1 24	19 30	1 44	17 35	0 40	22 10	1 11	13 40	8 26	17 27	17 18	1 3	13 0	7 9
M15	19 52	20 18	3 11	23 23	0s 7	18 26	4 25	2 43	2 38	8 38	1 24	19 31	1 44	17 34	0 40	22 10	1 11	13 40	8 26	17 28	17 19	1 1	13 1	7 9
T 16	19 38	20 17	2 9	23 26	0 16	18 34	4 22	2 49	2 39	8 40	1 25	19 31	1 44	17 33	0 40	22 10	1 11	13 40	8 26	17 28	17 20	0 59	13 2	7 9
W17	19 24	19 12	1 1	23 27	0 23	18 42	4 19	2 55	2 40	8 42	1 25	19 32	1 44	17 32	0 40	22 10	1 11	13 41	8 26	17 28	17 21	0 57	13 3	7 9
T 18	19 10	17 10	0s 9	23 27	0 31	18 50	4 15	3 1	2 41	8 45	1 25	19 33	1 44	17 31	0 40	22 10	1 11	13 41	8 26	17 28	17 22	0 55	13 4	7 9
F 19	18 55	14 21	1 17	23 26	0 39	18 57	4 12	3 6	2 41	8 47	1 25	19 34	1 44	17 30	0 40	22 11	1 11	13 41	8 25	17 28	17 23	0 52	13 5	7 9
S 20	18 40	10 58	2 20	23 24	0 46	19 5	4 8	3 11	2 42	8 49	1 26	19 34	1 44	17 29	0 40	22 11	1 11	13 41	8 25	17 28	17 24	0 50	13 6	7 9
S 21	18 24	7 11	3 17	23 21	0 53	19 12	4 5	3 16	2 43	8 51	1 26	19 35	1 44	17 28	0 40	22 11	1 11	13 41	8 25	17 28	17 25	0 48	13 7	7 9
M22	18 8	3 9	4 4	23 16	1 0	19 19	4 1	3 21	2 44	8 54	1 26	19 36	1 44	17 27	0 40	22 11	1 11	13 41	8 25	17 28	17 25	0 46	13 8	7 9
T 23	17 52	0n58	4 40	23 10	1 6	19 26	3 57	3 26	2 45	8 56	1 26	19 36	1 44	17 26	0 40	22 11	1 11	13 41	8 25	17 28	17 26	0 44	13 9	7 9
W24	17 36	5 2	5 5	23 3	1 12	19 33	3 53	3 30	2 46	8 58	1 26	19 37	1 44	17 25	0 40	22 11	1 11	13 41	8 24	17 28	17 27	0 42	13 10	7 9
T 25	17 19	8 57	5 17	22 54	1 18	19 39	3 49	3 34	2 46	9 1	1 27	19 38	1 45	17 24	0 40	22 11	1 11	13 42	8 24	17 28	17 28	0 39	13 11	7 9
F 26	17 2	12 33	5 15	22 44	1 24	19 45	3 45	3 38	2 47	9 3	1 27	19 38	1 45	17 23	0 40	22 11	1 11	13 42	8 24	17 28	17 29	0 37	13 12	7 8
S 27	16 45	15 41	4 58	22 33	1 29	19 51	3 40	3 42	2 48	9 6	1 27	19 39	1 45	17 22	0 40	22 11	1 11	13 42	8 24	17 28	17 30	0 35	13 13	7 8
S 28	16 27	18 10	4 27	22 20	1 34	19 56	3 36	3 46	2 49	9 9	1 27	19 39	1 45	17 21	0 40	22 11	1 11	13 42	8 24	17 28	17 31	0 33	13 14	7 8
M29	16 9	19 49	3 42	22 6	1 38	20 1	3 32	3 49	2 50	9 11	1 27	19 40	1 45	17 20	0 40	22 11	1 11	13 42	8 23	17 27	17 32	0 31	13 15	7 8
T 30	15 51	20 25	2 43	21 50	1 43	20 6	3 27	3 52	2 50	9 14	1 28	19 40	1 45	17 19	0 40	22 11	1 11	13 42	8 23	17 27	17 32	0 28	13 16	7 8
W31	15s32	19n49	1s33	21s33	1s47	20s10	3n23	3s55	2n51	9n17	1n28	19s41	1n45	17s18	0s40	22s11	1n11	13n43	8s23	17n27	17n33	0s26	13n17	7s 7

Julian Day Number = 2145478.5, Delta T = 14m48s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'23, Lahiri = 12°10'24 Julian Calendar 1 Jan. 1162 == Greg. Calendar 8 Jan. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

FEBRUARY 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 9 38	18♒54'03	8♌28	3♒31	2♉11	16♎45	9°R42	6♐ 5	14♒11	23♐17	9°R40	11°R21	10♌55	9♈ 6	29°R52	T 1
F 2	9 13 34	19°54'28	22°58	5° 8	3°12	16°54	9♍35	6° 9	14°14	23°18	9♊40	11♌21	10°52	9°13	29♋48	F 2
S 3	9 17 31	20°54'51	7♍41	6°45	4°13	17° 1	9°28	6°12	14°18	23°20	9°40	11°20	10°49	9°19	29°44	S 3
S 4	9 21 27	21°55'13	22°31	8°23	5°15	17° 9	9°21	6°15	14°21	23°21	9°40	11°19	10°46	9°26	29°40	S 4
M 5	9 25 24	22°55'34	7♎19	10° 3	6°16	17°15	9°14	6°19	14°24	23°22	9°39	11°18	10°42	9°33	29°36	M 5
T 6	9 29 20	23°55'53	21°59	11°43	7°19	17°21	9° 7	6°22	14°28	23°24	9°39	11°16	10°39	9°39	29°32	T 6
W 7	9 33 17	24°56'10	6♏25	13°24	8°21	17°26	8°59	6°25	14°31	23°25	9°39	11°15	10°36	9°46	29°28	W 7
T 8	9 37 13	25°56'26	20°34	15° 6	9°24	17°31	8°52	6°28	14°35	23°26	9°39	11°D14	10°33	9°53	29°24	T 8
F 9	9 41 10	26°56'40	4♐23	16°50	10°27	17°35	8°45	6°31	14°38	23°28	9°39	11°14	10°30	10° 0	29°20	F 9
S 10	9 45 7	27°56'54	17°54	18°34	11°30	17°38	8°37	6°33	14°42	23°29	9°38	11°15	10°26	10° 6	29°17	S 10
S 11	9 49 3	28°57'05	1♑ 8	20°19	12°34	17°41	8°29	6°36	14°45	23°30	9°38	11°16	10°23	10°13	29°13	S 11
M12	9 53 0	29°57'15	14° 5	22° 6	13°38	17°42	8°22	6°39	14°48	23°31	9°38	11°18	10°20	10°20	29° 9	M12
T 13	9 56 56	0♓57'23	26°48	23°53	14°42	17°43	8°14	6°41	14°52	23°32	9°38	11°19	10°17	10°26	29° 6	T 13
W14	10 0 53	1°57'30	9♒19	25°42	15°46	17°R44	8° 6	6°44	14°55	23°34	9°38	11°R20	10°14	10°33	29° 2	W14
T 15	10 4 49	2°57'34	21°39	27°31	16°51	17°43	7°59	6°46	14°58	23°35	9°38	11°19	10°11	10°40	28°59	T 15
F 16	10 8 46	3°57'37	3♓50	29°22	17°55	17°42	7°51	6°48	15° 2	23°36	9°D38	11°18	10° 7	10°46	28°56	F 16
S 17	10 12 42	4°57'38	15°53	1♈14	19° 0	17°40	7°43	6°50	15° 5	23°37	9°38	11°15	10° 4	10°53	28°52	S 17
S 18	10 16 39	5°57'36	27°50	3° 7	20° 6	17°38	7°35	6°52	15° 8	23°38	9°38	11°11	10° 1	11° 0	28°49	S 18
M19	10 20 36	6°57'33	9♈43	5° 0	21°11	17°34	7°27	6°54	15°12	23°39	9°38	11° 7	9°58	11° 7	28°46	M19
T 20	10 24 32	7°57'28	21°34	6°55	22°17	17°30	7°20	6°56	15°15	23°40	9°38	11° 2	9°55	11°13	28°43	T 20
W21	10 28 29	8°57'20	3♉25	8°51	23°23	17°25	7°12	6°58	15°18	23°41	9°38	10°57	9°51	11°20	28°40	W21
T 22	10 32 25	9°57'10	15°21	10°48	24°29	17°19	7° 4	7° 0	15°22	23°41	9°39	10°54	9°48	11°27	28°37	T 22
F 23	10 36 22	10°56'58	27°24	12°45	25°35	17°13	6°56	7° 1	15°25	23°42	9°39	10°52	9°45	11°33	28°35	F 23
S 24	10 40 18	11°56'44	9♊40	14°44	26°41	17° 6	6°48	7° 3	15°28	23°43	9°39	10°D51	9°42	11°40	28°32	S 24
S 25	10 44 15	12°56'27	22°12	16°43	27°48	16°58	6°41	7° 4	15°31	23°44	9°39	10°51	9°39	11°47	28°29	S 25
M26	10 48 11	13°56'09	5♋ 5	18°42	28°54	16°49	6°33	7° 5	15°34	23°45	9°39	10°52	9°36	11°54	28°27	M26
T 27	10 52 8	14°55'47	18°23	20°42	0♒ 1	16°39	6°25	7° 6	15°37	23°45	9°40	10°54	9°32	12° 0	28°25	T 27
W28	10 56 5	15♓55'24	2♌ 8	22♓42	1♒ 8	16♎29	6♍18	7♐ 7	15♒41	23♐46	9♊40	10♌55	9♌29	12♈ 7	28♋22	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s14	17n58	0s16	21s15	1s50	20s14	3n18	3s58	2n52	9n19	1n28	19s41	1n45	17s17	0s40	22s11	1n11	13n43	8s23	17n27	17n34	0s24	13n18	7s	7
F 2	14 55	14 56	1n 4	20 55	1 54	20 17	3 14	4 0	2 53	9 22	1 28	19 42	1 45	17 16	0 40	22 11	1 11	13 43	8 22	17 27	17 35	0 22	13 20	7	7
S 3	14 35	10 54	2 21	20 33	1 57	20 20	3 9	4 3	2 53	9 25	1 28	19 42	1 45	17 15	0 40	22 11	1 11	13 43	8 22	17 27	17 36	0 19	13 21	7	7
S 4	14 16	6 11	3 29	20 10	1 59	20 23	3 4	4 5	2 54	9 28	1 29	19 43	1 46	17 14	0 40	22 12	1 11	13 43	8 22	17 28	17 37	0 17	13 22	7	6
M 5	13 56	1 6	4 23	19 46	2 2	20 25	2 59	4 7	2 55	9 31	1 29	19 43	1 46	17 13	0 40	22 12	1 11	13 43	8 22	17 28	17 38	0 15	13 23	7	6
T 6	13 36	3s59	4 59	19 20	2 4	20 26	2 55	4 8	2 56	9 34	1 29	19 44	1 46	17 12	0 40	22 12	1 11	13 44	8 22	17 28	17 39	0 13	13 24	7	6
W 7	13 16	8 45	5 15	18 52	2 5	20 27	2 50	4 10	2 56	9 36	1 29	19 44	1 46	17 11	0 40	22 12	1 11	13 44	8 21	17 29	17 39	0 11	13 25	7	5
T 8	12 56	12 57	5 12	18 23	2 6	20 28	2 45	4 11	2 57	9 39	1 29	19 45	1 46	17 10	0 40	22 12	1 11	13 44	8 21	17 29	17 40	0 8	13 26	7	5
F 9	12 35	16 21	4 51	17 52	2 7	20 28	2 40	4 12	2 58	9 42	1 29	19 45	1 46	17 9	0 40	22 12	1 11	13 44	8 21	17 29	17 41	0 6	13 27	7	5
S 10	12 14	18 47	4 14	17 20	2 7	20 28	2 35	4 12	2 58	9 45	1 29	19 45	1 46	17 8	0 40	22 12	1 11	13 44	8 21	17 29	17 42	0 4	13 28	7	4
S 11	11 53	20 8	3 24	16 47	2 7	20 27	2 30	4 13	2 59	9 48	1 29	19 46	1 46	17 7	0 40	22 12	1 11	13 45	8 20	17 28	17 43	0 2	13 29	7	4
M12	11 32	20 24	2 25	16 12	2 6	20 26	2 25	4 13	2 59	9 51	1 30	19 46	1 47	17 6	0 40	22 12	1 11	13 45	8 20	17 28	17 44	0n 0	13 31	7	3
T 13	11 11	19 36	1 19	15 35	2 5	20 25	2 20	4 13	3 0	9 54	1 30	19 46	1 47	17 5	0 40	22 12	1 12	13 45	8 20	17 28	17 45	0 3	13 32	7	3
W14	10 49	17 50	0 11	14 57	2 3	20 22	2 15	4 12	3 1	9 57	1 30	19 47	1 47	17 4	0 40	22 12	1 12	13 45	8 20	17 27	17 45	0 5	13 33	7	3
T 15	10 28	15 15	0s57	14 17	2 1	20 19	2 10	4 12	3 1	10 0	1 30	19 47	1 47	17 3	0 40	22 12	1 12	13 45	8 20	17 28	17 46	0 7	13 34	7	2
F 16	10 6	12 1	2 1	13 36	1 59	20 16	2 5	4 11	3 2	10 3	1 30	19 47	1 47	17 2	0 40	22 12	1 12	13 46	8 19	17 28	17 47	0 9	13 35	7	2
S 17	9 44	8 20	2 59	12 53	1 55	20 12	2 0	4 10	3 2	10 6	1 30	19 47	1 47	17 1	0 40	22 12	1 12	13 46	8 19	17 29	17 48	0 12	13 36	7	1
S 18	9 22	4 21	3 48	12 9	1 52	20 8	1 55	4 8	3 2	10 9	1 30	19 48	1 47	17 0	0 40	22 12	1 12	13 46	8 19	17 30	17 49	0 14	13 37	7	1
M19	9 0	0 14	4 28	11 23	1 48	20 3	1 50	4 7	3 3	10 12	1 30	19 48	1 47	16 59	0 40	22 12	1 12	13 46	8 19	17 31	17 50	0 16	13 38	7	0
T 20	8 37	3n53	4 55	10 36	1 43	19 58	1 45	4 5	3 3	10 15	1 30	19 48	1 48	16 58	0 40	22 12	1 12	13 47	8 18	17 32	17 51	0 18	13 39	7	0
W21	8 15	7 51	5 10	9 48	1 38	19 52	1 41	4 3	3 4	10 18	1 30	19 48	1 48	16 57	0 40	22 12	1 12	13 47	8 18	17 34	17 51	0 20	13 40	6	59
T 22	7 52	11 32	5 12	8 58	1 32	19 45	1 36	4 0	3 4	10 21	1 30	19 48	1 48	16 56	0 40	22 12	1 12	13 47	8 18	17 35	17 52	0 23	13 41	6	59
F 23	7 30	14 48	5 0	8 7	1 25	19 38	1 31	3 57	3 4	10 24	1 30	19 48	1 48	16 55	0 40	22 12	1 12	13 47	8 18	17 35	17 53	0 25	13 42	6	58
S 24	7 7	17 28	4 34	7 14	1 18	19 31	1 26	3 54	3 4	10 27	1 30	19 48	1 48	16 54	0 40	22 12	1 12	13 48	8 17	17 35	17 54	0 27	13 43	6	58
S 25	6 44	19 24	3 55	6 21	1 11	19 22	1 21	3 51	3 4	10 30	1 30	19 49	1 48	16 53	0 40	22 12	1 12	13 48	8 17	17 35	17 55	0 29	13 44	6	57
M26	6 21	20 24	3 3	5 27	1 3	19 14	1 16	3 48	3 4	10 33	1 30	19 49	1 48	16 53	0 40	22 12	1 12	13 48	8 17	17 35	17 56	0 32	13 45	6	57
T 27	5 58	20 18	2 0	4 31	0 54	19 5	1 11	3 44	3 5	10 36	1 30	19 49	1 48	16 52	0 40	22 12	1 12	13 48	8 17	17 35	17 57	0 34	13 46	6	56
W28	5s35	19n 0	0s48	3s35	0s45	18s55	1n 6	3s40	3n 4	10n39	1n30	19s49	1n49	16s51	0s40	22s12	1n12	13n49	8s17	17n34	17n57	0n36	13n47	6s	56

Julian Day Number = 2145509.5, Delta T = 14m48s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'27, Lahiri = 12°10'28 Julian Calendar 1 Feb. 1162 == Greg. Calendar 8 Feb. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

MARCH 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 0 1	16♓54'58	16♌21	24♓42	2♒15	16°R18	6°R10	7♐ 8	15♒44	23♐47	9♊40	10°R55	9♌26	12♈14	28°R20	T 1
F 2	11 3 58	17°54'30	0♍59	26°41	3°23	16♎ 6	6♍ 2	7° 9	15°47	23°47	9°40	10♌54	9°23	12°20	28♋18	F 2
S 3	11 7 54	18°54'00	15°57	28°40	4°30	15°53	5°55	7°10	15°50	23°48	9°41	10°51	9°20	12°27	28°16	S 3
S 4	11 11 51	19°53'28	1♎ 7	0♈38	5°38	15°40	5°48	7°11	15°53	23°48	9°41	10°46	9°17	12°34	28°14	S 4
M 5	11 15 47	20°52'53	16°19	2°34	6°45	15°26	5°40	7°11	15°56	23°49	9°41	10°40	9°13	12°40	28°12	M 5
T 6	11 19 44	21°52'17	1♏23	4°29	7°53	15°11	5°33	7°12	15°59	23°49	9°42	10°34	9°10	12°47	28°10	T 6
W 7	11 23 40	22°51'39	16° 9	6°22	9° 1	14°56	5°26	7°12	16° 2	23°50	9°42	10°28	9° 7	12°54	28° 8	W 7
T 8	11 27 37	23°50'59	0♐32	8°12	10° 9	14°40	5°19	7°12	16° 5	23°50	9°43	10°24	9° 4	13° 1	28° 7	T 8
F 9	11 31 33	24°50'17	14°29	9°59	11°18	14°23	5°12	7°12	16° 8	23°51	9°43	10°22	9° 1	13° 7	28° 5	F 9
S 10	11 35 30	25°49'34	28° 1	11°43	12°26	14° 6	5° 5	7°R12	16°10	23°51	9°44	10°D22	8°57	13°14	28° 4	S 10
S 11	11 39 27	26°48'49	11♑ 8	13°23	13°34	13°48	4°58	7°12	16°13	23°51	9°44	10°22	8°54	13°21	28° 3	S 11
M12	11 43 23	27°48'02	23°54	14°59	14°43	13°29	4°51	7°12	16°16	23°52	9°45	10°24	8°51	13°27	28° 2	M12
T 13	11 47 20	28°47'13	6♒24	16°30	15°52	13°10	4°44	7°12	16°19	23°52	9°45	10°R25	8°48	13°34	28° 0	T 13
W14	11 51 16	29°46'22	18°40	17°56	17° 0	12°51	4°38	7°12	16°22	23°52	9°46	10°24	8°45	13°41	27°59	W14
T 15	11 55 13	0♈45'29	0♓47	19°17	18° 9	12°30	4°31	7°11	16°24	23°52	9°46	10°22	8°42	13°48	27°59	T 15
F 16	11 59 9	1°44'35	12°47	20°33	19°18	12°10	4°25	7°11	16°27	23°52	9°47	10°17	8°38	13°54	27°58	F 16
S 17	12 3 6	2°43'38	24°42	21°43	20°27	11°49	4°19	7°10	16°30	23°52	9°48	10°10	8°35	14° 1	27°57	S 17
S 18	12 7 2	3°42'39	6♈34	22°47	21°36	11°27	4°13	7° 9	16°32	23°52	9°48	10° 1	8°32	14° 8	27°56	S 18
M19	12 10 59	4°41'39	18°25	23°45	22°46	11° 6	4° 7	7° 9	16°35	23°53	9°49	9°51	8°29	14°14	27°56	M19
T 20	12 14 56	5°40'36	0♉17	24°37	23°55	10°44	4° 1	7° 8	16°37	23°R53	9°50	9°40	8°26	14°21	27°56	T 20
W21	12 18 52	6°39'31	12°11	25°23	25° 4	10°21	3°55	7° 7	16°40	23°53	9°50	9°29	8°22	14°28	27°55	W21
T 22	12 22 49	7°38'23	24° 9	26° 2	26°14	9°59	3°50	7° 6	16°43	23°52	9°51	9°20	8°19	14°35	27°55	T 22
F 23	12 26 45	8°37'14	6♊14	26°34	27°23	9°36	3°45	7° 4	16°45	23°52	9°52	9°13	8°16	14°41	27°D55	F 23
S 24	12 30 42	9°36'02	18°30	27° 0	28°33	9°14	3°39	7° 3	16°47	23°52	9°53	9° 8	8°13	14°48	27°55	S 24
S 25	12 34 38	10°34'48	0♋59	27°19	29°43	8°51	3°34	7° 2	16°50	23°52	9°53	9° 6	8°10	14°55	27°55	S 25
M26	12 38 35	11°33'32	13°47	27°32	0♓52	8°28	3°29	7° 0	16°52	23°52	9°54	9°D 6	8° 7	15° 1	27°56	M26
T 27	12 42 31	12°32'14	26°57	27°39	2° 2	8° 5	3°25	6°59	16°54	23°52	9°55	9° 6	8° 3	15° 8	27°56	T 27
W28	12 46 28	13°30'53	10♌33	27°R39	3°12	7°42	3°20	6°57	16°57	23°51	9°56	9°R 7	8° 0	15°15	27°56	W28
T 29	12 50 25	14°29'30	24°38	27°33	4°22	7°20	3°16	6°55	16°59	23°51	9°57	9° 6	7°57	15°22	27°57	T 29
F 30	12 54 21	15°28'04	9♍10	27°21	5°32	6°57	3°11	6°53	17° 1	23°51	9°58	9° 3	7°54	15°28	27°58	F 30
S 31	12 58 18	16♈26'37	24♍ 6	27♈ 4	6♓42	6♎35	3♍ 7	6♐51	17♒ 3	23♐50	9♊58	8♌57	7♌51	15♈35	27♋58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s11	16n29	0n30	2s39	0s35	18s45	1n 2	3s36	3n 4	10n41	1n30	19s49	1n49	16s50	0s40	22s12	1n12	13n49	8s16	17n34	17n58	0n38	13n48	6s55
F 2	4 48	12 50	1 47	1 42	0 25	18 34	0 57	3 32	3 4	10 44	1 30	19 49	1 49	16 49	0 40	22 12	1 12	13 49	8 16	17 35	17 59	0 41	13 49	6 54
S 3	4 25	8 19	2 59	0 45	0 14	18 23	0 52	3 27	3 4	10 47	1 30	19 49	1 49	16 48	0 40	22 12	1 12	13 50	8 16	17 35	18 0	0 43	13 50	6 54
S 4	4 1	3 12	3 59	0n13	0 3	18 11	0 48	3 22	3 4	10 50	1 30	19 49	1 49	16 47	0 40	22 12	1 12	13 50	8 16	17 37	18 1	0 45	13 51	6 53
M 5	3 38	2s 6	4 42	1 10	0n 9	17 58	0 43	3 17	3 4	10 52	1 30	19 49	1 49	16 46	0 40	22 12	1 12	13 50	8 15	17 38	18 2	0 47	13 52	6 53
T 6	3 14	7 14	5 6	2 6	0 21	17 46	0 38	3 12	3 3	10 55	1 30	19 49	1 49	16 45	0 40	22 12	1 12	13 50	8 15	17 40	18 3	0 50	13 53	6 52
W 7	2 51	11 49	5 8	3 2	0 33	17 32	0 34	3 6	3 3	10 58	1 30	19 49	1 49	16 44	0 40	22 12	1 12	13 51	8 15	17 42	18 3	0 52	13 54	6 52
T 8	2 27	15 37	4 51	3 57	0 45	17 18	0 29	3 0	3 2	11 0	1 30	19 49	1 50	16 44	0 40	22 12	1 12	13 51	8 15	17 43	18 4	0 54	13 55	6 51
F 9	2 4	18 23	4 17	4 51	0 57	17 4	0 25	2 54	3 2	11 3	1 30	19 49	1 50	16 43	0 40	22 12	1 12	13 51	8 15	17 43	18 5	0 56	13 56	6 50
S 10	1 40	20 3	3 29	5 43	1 9	16 49	0 20	2 48	3 1	11 5	1 30	19 48	1 50	16 42	0 40	22 12	1 12	13 51	8 14	17 43	18 6	0 59	13 57	6 50
S 11	1 16	20 34	2 32	6 33	1 21	16 34	0 16	2 42	3 0	11 8	1 30	19 48	1 50	16 41	0 40	22 12	1 12	13 52	8 14	17 43	18 7	1 1	13 58	6 49
M12	0 53	19 59	1 28	7 21	1 33	16 18	0 12	2 36	2 59	11 10	1 30	19 48	1 50	16 40	0 40	22 12	1 12	13 52	8 14	17 43	18 8	1 3	13 59	6 48
T 13	0 29	18 24	0 22	8 8	1 45	16 2	0 8	2 29	2 59	11 13	1 30	19 48	1 50	16 39	0 40	22 12	1 12	13 52	8 14	17 43	18 8	1 5	13 59	6 48
W14	0 5	16 0	0s44	8 51	1 56	15 45	0 3	2 22	2 58	11 15	1 30	19 48	1 50	16 39	0 40	22 12	1 12	13 53	8 13	17 43	18 9	1 8	14 0	6 47
T 15	0n18	12 55	1 48	9 32	2 7	15 28	0s 1	2 15	2 57	11 17	1 30	19 48	1 50	16 38	0 40	22 12	1 12	13 53	8 13	17 43	18 10	1 10	14 1	6 46
F 16	0 42	9 20	2 45	10 11	2 17	15 10	0 5	2 8	2 55	11 20	1 30	19 47	1 50	16 37	0 40	22 12	1 12	13 53	8 13	17 45	18 11	1 12	14 2	6 46
S 17	1 5	5 24	3 35	10 46	2 27	14 52	0 9	2 1	2 54	11 22	1 30	19 47	1 51	16 36	0 40	22 12	1 13	13 54	8 13	17 46	18 12	1 14	14 3	6 45
S 18	1 29	1 17	4 15	11 18	2 35	14 34	0 13	1 54	2 53	11 24	1 30	19 47	1 51	16 36	0 40	22 12	1 13	13 54	8 13	17 49	18 13	1 17	14 3	6 44
M19	1 52	2n53	4 44	11 47	2 43	14 15	0 17	1 47	2 52	11 26	1 29	19 47	1 51	16 35	0 40	22 12	1 13	13 54	8 12	17 52	18 13	1 19	14 4	6 44
T 20	2 16	6 56	5 0	12 13	2 50	13 56	0 20	1 39	2 50	11 28	1 29	19 46	1 51	16 34	0 40	22 12	1 13	13 54	8 12	17 55	18 14	1 21	14 5	6 43
W21	2 39	10 44	5 4	12 36	2 56	13 36	0 24	1 32	2 49	11 30	1 29	19 46	1 51	16 33	0 41	22 12	1 13	13 55	8 12	17 57	18 15	1 23	14 6	6 42
T 22	3 3	14 8	4 55	12 55	3 1	13 16	0 28	1 25	2 47	11 32	1 29	19 46	1 51	16 33	0 41	22 12	1 13	13 55	8 12	18 0	18 16	1 26	14 6	6 42
F 23	3 26	16 59	4 32	13 10	3 5	12 55	0 31	1 17	2 45	11 34	1 29	19 46	1 51	16 32	0 41	22 12	1 13	13 55	8 12	18 2	18 17	1 28	14 7	6 41
S 24	3 49	19 7	3 56	13 22	3 8	12 34	0 35	1 10	2 44	11 35	1 29	19 45	1 51	16 31	0 41	22 12	1 13	13 56	8 11	18 3	18 18	1 30	14 8	6 40
S 25	4 12	20 24	3 9	13 31	3 10	12 13	0 38	1 3	2 42	11 37	1 29	19 45	1 51	16 30	0 41	22 12	1 13	13 56	8 11	18 4	18 18	1 32	14 8	6 40
M26	4 35	20 40	2 11	13 35	3 10	11 52	0 42	0 55	2 40	11 39	1 29	19 45	1 52	16 30	0 41	22 12	1 13	13 56	8 11	18 4	18 19	1 35	14 9	6 39
T 27	4 58	19 48	1 4	13 37	3 8	11 30	0 45	0 48	2 38	11 40	1 28	19 44	1 52	16 29	0 41	22 11	1 13	13 57	8 11	18 4	18 20	1 37	14 10	6 38
W28	5 21	17 48	0n 8	13 34	3 6	11 7	0 48	0 41	2 36	11 42	1 28	19 44	1 52	16 28	0 41	22 11	1 13	13 57	8 11	18 3	18 21	1 39	14 10	6 38
T 29	5 44	14 39	1 22	13 28	3 2	10 45	0 51	0 34	2 34	11 43	1 28	19 43	1 52	16 28	0 41	22 11	1 13	13 57	8 10	18 4	18 22	1 41	14 11	6 37
F 30	6 7	10 32	2 33	13 19	2 56	10 22	0 54	0 27	2 32	11 45	1 28	19 43	1 52	16 27	0 41	22 11	1 13	13 58	8 10	18 5	18 23	1 44	14 11	6 36
S 31	6n30	5n39	3n35	13n 6	2n49	9s59	0s57	0s20	2n29	11n46	1n28	19s43	1n52	16s27	0s41	22s11	1n13	13n58	8s10	18n 6	18n23	1n46	14n12	6s36

Julian Day Number = 2145537.5, Delta T = 14m47s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'31, Lahiri = 12°10'32 Julian Calendar 1 March 1162 == Greg. Calendar 8 March 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

APRIL 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 2 14	17♈25'07	9♎19	26°R42	7♓52	6°R13	3°R 3	6°R49	17♒ 5	23°R50	9♊59	8°R49	7♌48	15♈42	27♋59	S 1
M 2	13 6 11	18°23'35	24°40	26♈16	9° 2	5♎51	2♍59	6♐47	17° 8	23♐50	10° 0	8♌39	7°44	15°48	28° 0	M 2
T 3	13 10 7	19°22'02	9♏56	25°45	10°13	5°29	2°56	6°45	17°10	23°49	10° 1	8°29	7°41	15°55	28° 1	T 3
W 4	13 14 4	20°20'26	24°57	25°11	11°23	5° 8	2°52	6°43	17°12	23°49	10° 2	8°20	7°38	16° 2	28° 2	W 4
T 5	13 18 0	21°18'49	9♐34	24°35	12°33	4°47	2°49	6°40	17°14	23°48	10° 3	8°12	7°35	16° 8	28° 4	T 5
F 6	13 21 57	22°17'11	23°42	23°56	13°44	4°27	2°46	6°38	17°15	23°48	10° 4	8° 7	7°32	16°15	28° 5	F 6
S 7	13 25 54	23°15'31	7♑20	23°17	14°54	4° 7	2°43	6°35	17°17	23°47	10° 5	8° 4	7°28	16°22	28° 6	S 7
S 8	13 29 50	24°13'49	20°30	22°36	16° 5	3°48	2°40	6°33	17°19	23°47	10° 6	8°D 3	7°25	16°29	28° 8	S 8
M 9	13 33 47	25°12'06	3♒16	21°56	17°15	3°29	2°38	6°30	17°21	23°46	10° 7	8°R 3	7°22	16°35	28°10	M 9
T 10	13 37 43	26°10'21	15°42	21°17	18°26	3°11	2°35	6°27	17°23	23°45	10° 8	8° 3	7°19	16°42	28°11	T 10
W11	13 41 40	27° 8'34	27°53	20°39	19°37	2°53	2°33	6°24	17°24	23°45	10° 9	8° 2	7°16	16°49	28°13	W11
T 12	13 45 36	28° 6'46	9♓53	20° 4	20°48	2°36	2°31	6°21	17°26	23°44	10°10	7°58	7°13	16°55	28°15	T 12
F 13	13 49 33	29° 4'57	21°47	19°32	21°58	2°19	2°29	6°18	17°28	23°43	10°12	7°52	7° 9	17° 2	28°17	F 13
S 14	13 53 29	0♉ 3'06	3♈38	19° 2	23° 9	2° 4	2°28	6°15	17°29	23°42	10°13	7°42	7° 6	17° 9	28°19	S 14
S 15	13 57 26	1° 1'13	15°28	18°36	24°20	1°48	2°26	6°12	17°31	23°42	10°14	7°31	7° 3	17°16	28°22	S 15
M16	14 1 22	1°59'18	27°20	18°15	25°31	1°34	2°25	6° 9	17°32	23°41	10°15	7°17	7° 0	17°22	28°24	M16
T 17	14 5 19	2°57'22	9♉15	17°57	26°42	1°20	2°24	6° 6	17°34	23°40	10°16	7° 3	6°57	17°29	28°27	T 17
W18	14 9 16	3°55'24	21°14	17°44	27°53	1° 8	2°23	6° 2	17°35	23°39	10°17	6°49	6°54	17°36	28°29	W18
T 19	14 13 12	4°53'25	3♊20	17°36	29° 4	0°55	2°22	5°59	17°36	23°38	10°18	6°37	6°50	17°42	28°32	T 19
F 20	14 17 9	5°51'23	15°32	17°D32	0♈15	0°44	2°21	5°56	17°38	23°37	10°20	6°27	6°47	17°49	28°34	F 20
S 21	14 21 5	6°49'21	27°54	17°33	1°26	0°34	2°21	5°52	17°39	23°36	10°21	6°21	6°44	17°56	28°37	S 21
S 22	14 25 2	7°47'16	10♋28	17°38	2°37	0°24	2°21	5°48	17°40	23°35	10°22	6°17	6°41	18° 3	28°40	S 22
M23	14 28 58	8°45'09	23°17	17°49	3°48	0°15	2°D21	5°45	17°41	23°34	10°23	6°15	6°38	18° 9	28°43	M23
T 24	14 32 55	9°43'01	6♌24	18° 3	5° 0	0° 7	2°21	5°41	17°42	23°33	10°24	6°15	6°34	18°16	28°46	T 24
W25	14 36 51	10°40'51	19°54	18°22	6°11	29♍59	2°21	5°37	17°44	23°32	10°26	6°15	6°31	18°23	28°50	W25
T 26	14 40 48	11°38'38	3♍48	18°46	7°22	29°53	2°22	5°34	17°45	23°31	10°27	6°13	6°28	18°30	28°53	T 26
F 27	14 44 45	12°36'25	18° 7	19°14	8°33	29°47	2°23	5°30	17°46	23°30	10°28	6°10	6°25	18°36	28°56	F 27
S 28	14 48 41	13°34'09	2♎50	19°46	9°45	29°43	2°24	5°26	17°46	23°29	10°29	6° 4	6°22	18°43	29° 0	S 28
S 29	14 52 38	14°31'52	17°51	20°22	10°56	29°38	2°25	5°22	17°47	23°28	10°31	5°56	6°19	18°50	29° 3	S 29
M30	14 56 34	15♉29'33	3♏ 3	21♈ 2	12♈ 7	29♍35	2♍26	5♐18	17♒48	23♐27	10♊32	5♌46	6♌15	18♈56	29♋ 7	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n52	0n19	4n23	12n51	2n41	9s35	1s 0	0s13	2n27	11n48	1n28	19s42	1n52	16s26	0s41	22s11	1n13	13n58	8s10	18n 8	18n24	1n48	14n12	6s35
M 2	7 15	5s 3	4 53	12 32	2 31	9 11	1 3	0 7	2 25	11 49	1 28	19 42	1 52	16 25	0 41	22 11	1 13	13 58	8 10	18 11	18 25	1 50	14 13	6 34
T 3	7 37	10 5	5 2	12 10	2 20	8 47	1 6	0 1	2 22	11 50	1 27	19 41	1 52	16 25	0 41	22 11	1 13	13 59	8 9	18 13	18 26	1 53	14 13	6 33
W 4	7 59	14 24	4 50	11 46	2 8	8 23	1 8	0n 6	2 20	11 51	1 27	19 41	1 52	16 24	0 41	22 11	1 13	13 59	8 9	18 16	18 27	1 55	14 14	6 33
T 5	8 21	17 43	4 18	11 20	1 55	7 58	1 11	0 12	2 18	11 52	1 27	19 40	1 52	16 24	0 41	22 11	1 13	13 59	8 9	18 18	18 27	1 57	14 14	6 32
F 6	8 43	19 52	3 32	10 53	1 40	7 33	1 14	0 17	2 15	11 53	1 27	19 40	1 53	16 23	0 41	22 11	1 13	14 0	8 9	18 19	18 28	2 0	14 15	6 31
S 7	9 5	20 46	2 35	10 24	1 25	7 8	1 16	0 23	2 12	11 54	1 27	19 39	1 53	16 22	0 41	22 11	1 13	14 0	8 9	18 20	18 29	2 2	14 15	6 31
S 8	9 26	20 28	1 32	9 54	1 9	6 43	1 18	0 28	2 10	11 55	1 27	19 39	1 53	16 22	0 41	22 11	1 13	14 0	8 9	18 20	18 30	2 4	14 15	6 30
M 9	9 48	19 6	0 25	9 24	0 52	6 17	1 20	0 33	2 7	11 56	1 26	19 38	1 53	16 21	0 41	22 11	1 13	14 1	8 8	18 20	18 31	2 6	14 16	6 29
T 10	10 9	16 51	0s40	8 53	0 36	5 52	1 23	0 38	2 5	11 56	1 26	19 38	1 53	16 21	0 41	22 11	1 13	14 1	8 8	18 20	18 32	2 9	14 16	6 29
W11	10 30	13 52	1 43	8 23	0 18	5 26	1 25	0 43	2 2	11 57	1 26	19 37	1 53	16 20	0 41	22 11	1 13	14 1	8 8	18 20	18 32	2 11	14 16	6 28
T 12	10 51	10 22	2 40	7 54	0 1	5 0	1 27	0 47	1 59	11 57	1 26	19 37	1 53	16 20	0 41	22 11	1 13	14 2	8 8	18 21	18 33	2 13	14 17	6 27
F 13	11 12	6 28	3 29	7 26	0s15	4 33	1 29	0 51	1 56	11 58	1 26	19 36	1 53	16 19	0 41	22 11	1 13	14 2	8 8	18 23	18 34	2 15	14 17	6 27
S 14	11 32	2 22	4 9	7 0	0 32	4 7	1 30	0 55	1 54	11 58	1 25	19 36	1 53	16 19	0 41	22 11	1 13	14 2	8 8	18 25	18 35	2 18	14 17	6 26
S 15	11 53	1n50	4 38	6 35	0 48	3 40	1 32	0 58	1 51	11 59	1 25	19 35	1 53	16 19	0 41	22 10	1 13	14 3	8 7	18 29	18 36	2 20	14 17	6 25
M16	12 13	5 59	4 55	6 12	1 4	3 13	1 34	1 2	1 48	11 59	1 25	19 34	1 53	16 18	0 41	22 10	1 13	14 3	8 7	18 32	18 36	2 22	14 18	6 25
T 17	12 33	9 55	4 59	5 51	1 19	2 47	1 35	1 4	1 45	11 59	1 25	19 34	1 53	16 18	0 41	22 10	1 13	14 3	8 7	18 36	18 37	2 25	14 18	6 24
W18	12 53	13 29	4 50	5 33	1 33	2 20	1 37	1 7	1 43	11 59	1 25	19 33	1 53	16 17	0 41	22 10	1 13	14 3	8 7	18 39	18 38	2 27	14 18	6 23
T 19	13 13	16 32	4 28	5 17	1 47	1 52	1 38	1 9	1 40	11 59	1 24	19 32	1 53	16 17	0 41	22 10	1 13	14 4	8 7	18 42	18 39	2 29	14 18	6 23
F 20	13 32	18 53	3 54	5 4	2 0	1 25	1 39	1 11	1 37	11 59	1 24	19 32	1 53	16 17	0 42	22 10	1 13	14 4	8 7	18 45	18 40	2 31	14 18	6 22
S 21	13 51	20 24	3 8	4 54	2 11	0 58	1 41	1 13	1 34	11 59	1 24	19 31	1 53	16 16	0 42	22 10	1 13	14 4	8 6	18 46	18 40	2 34	14 18	6 21
S 22	14 10	20 57	2 12	4 46	2 22	0 31	1 42	1 14	1 31	11 59	1 24	19 30	1 54	16 16	0 42	22 10	1 14	14 5	8 6	18 47	18 41	2 36	14 18	6 21
M23	14 29	20 25	1 8	4 41	2 32	0 3	1 43	1 15	1 29	11 59	1 24	19 30	1 54	16 16	0 42	22 10	1 14	14 5	8 6	18 48	18 42	2 38	14 18	6 20
T 24	14 47	18 46	0n 1	4 38	2 41	0n24	1 44	1 16	1 26	11 59	1 23	19 29	1 54	16 15	0 42	22 10	1 14	14 5	8 6	18 48	18 43	2 41	14 18	6 19
W25	15 6	16 3	1 12	4 38	2 49	0 52	1 45	1 16	1 23	11 59	1 23	19 28	1 54	16 15	0 42	22 10	1 14	14 6	8 6	18 48	18 44	2 43	14 18	6 19
T 26	15 24	12 20	2 20	4 40	2 56	1 19	1 45	1 17	1 20	11 58	1 23	19 28	1 54	16 15	0 42	22 10	1 14	14 6	8 6	18 48	18 44	2 45	14 18	6 18
F 27	15 41	7 49	3 22	4 45	3 3	1 47	1 46	1 16	1 18	11 58	1 23	19 27	1 54	16 14	0 42	22 10	1 14	14 6	8 6	18 49	18 45	2 47	14 18	6 17
S 28	15 59	2 43	4 12	4 52	3 8	2 15	1 47	1 16	1 15	11 57	1 23	19 26	1 54	16 14	0 42	22 10	1 14	14 7	8 6	18 50	18 46	2 50	14 18	6 17
S 29	16 16	2s38	4 46	5 1	3 13	2 42	1 47	1 15	1 12	11 57	1 22	19 26	1 54	16 14	0 42	22 9	1 14	14 7	8 5	18 52	18 47	2 52	14 18	6 16
M30	16n33	7s52	5n 0	5n13	3s16	3n10	1s48	1n14	1n10	11n56	1n22	19s25	1n54	16s14	0s42	22s 9	1n14	14n 7	8s 5	18n55	18n48	2n54	14n18	6s16

Julian Day Number = 2145568.5, Delta T = 14m47s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'35, Lahiri = 12°10'36 Julian Calendar 1 Apr. 1162 == Greg. Calendar 8 Apr. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

MAY 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 0 31	16♉27'13	18♏14	21♈45	13♈19	29°R33	2♍27	5°R14	17♒49	23°R25	10♊33	5°R35	6♌12	19♈ 3	29♋11	T 1
W 2	15 4 27	17°24'51	3♐14	22°32	14°30	29♍31	2°29	5♐10	17°50	23♐24	10°35	5♌25	6° 9	19°10	29°15	W 2
T 3	15 8 24	18°22'28	17°54	23°23	15°42	29°30	2°31	5° 6	17°50	23°23	10°36	5°17	6° 6	19°17	29°18	T 3
F 4	15 12 20	19°20'05	2♑ 8	24°17	16°53	29°D30	2°33	5° 1	17°51	23°22	10°37	5°11	6° 3	19°23	29°22	F 4
S 5	15 16 17	20°17'40	15°53	25°15	18° 5	29°31	2°35	4°57	17°52	23°20	10°39	5° 7	5°59	19°30	29°26	S 5
S 6	15 20 14	21°15'14	29° 9	26°16	19°16	29°32	2°37	4°53	17°52	23°19	10°40	5° 6	5°56	19°37	29°31	S 6
M 7	15 24 10	22°12'47	11♒59	27°19	20°28	29°34	2°40	4°49	17°53	23°18	10°41	5°D 6	5°53	19°43	29°35	M 7
T 8	15 28 7	23°10'19	24°27	28°26	21°40	29°37	2°42	4°45	17°53	23°17	10°43	5°R 6	5°50	19°50	29°39	T 8
W 9	15 32 3	24° 7'51	6♓38	29°36	22°51	29°41	2°45	4°40	17°53	23°15	10°44	5° 6	5°47	19°57	29°44	W 9
T 10	15 36 0	25° 5'21	18°38	0♉49	24° 3	29°45	2°48	4°36	17°54	23°14	10°45	5° 3	5°44	20° 4	29°48	T 10
F 11	15 39 56	26° 2'51	0♈31	2° 5	25°15	29°50	2°51	4°32	17°54	23°12	10°47	4°58	5°40	20°10	29°53	F 11
S 12	15 43 53	27° 0'19	12°21	3°23	26°27	29°56	2°55	4°27	17°54	23°11	10°48	4°51	5°37	20°17	29°57	S 12
S 13	15 47 49	27°57'47	24°13	4°44	27°38	0♎ 3	2°58	4°23	17°55	23°10	10°49	4°41	5°34	20°24	0♌ 2	S 13
M14	15 51 46	28°55'14	6♉ 8	6° 8	28°50	0°10	3° 2	4°19	17°55	23° 8	10°51	4°30	5°31	20°30	0° 7	M14
T 15	15 55 43	29°52'40	18° 8	7°35	0♊ 2	0°18	3° 6	4°14	17°55	23° 7	10°52	4°18	5°28	20°37	0°12	T 15
W16	15 59 39	0♊50'05	0♊16	9° 4	1°14	0°27	3°10	4°10	17°55	23° 5	10°54	4° 6	5°25	20°44	0°16	W16
T 17	16 3 36	1°47'30	12°33	10°36	2°26	0°36	3°14	4° 5	17°R55	23° 4	10°55	3°56	5°21	20°51	0°21	T 17
F 18	16 7 32	2°44'53	24°58	12°11	3°38	0°46	3°18	4° 1	17°55	23° 2	10°56	3°48	5°18	20°57	0°27	F 18
S 19	16 11 29	3°42'16	7♋33	13°48	4°50	0°56	3°22	3°56	17°55	23° 1	10°58	3°43	5°15	21° 4	0°32	S 19
S 20	16 15 25	4°39'37	20°20	15°28	6° 2	1° 8	3°27	3°52	17°55	22°59	10°59	3°40	5°12	21°11	0°37	S 20
M21	16 19 22	5°36'58	3♌20	17°11	7°14	1°19	3°32	3°48	17°54	22°58	11° 1	3°D39	5° 9	21°17	0°42	M21
T 22	16 23 18	6°34'17	16°34	18°56	8°26	1°32	3°37	3°43	17°54	22°56	11° 2	3°39	5° 5	21°24	0°48	T 22
W23	16 27 15	7°31'36	0♍ 6	20°43	9°38	1°45	3°42	3°39	17°54	22°55	11° 3	3°40	5° 2	21°31	0°53	W23
T 24	16 31 12	8°28'53	13°56	22°33	10°50	1°59	3°47	3°34	17°53	22°53	11° 5	3°R40	4°59	21°38	0°58	T 24
F 25	16 35 8	9°26'09	28° 5	24°26	12° 2	2°13	3°53	3°30	17°53	22°52	11° 6	3°39	4°56	21°44	1° 4	F 25
S 26	16 39 5	10°23'24	12♎31	26°21	13°14	2°28	3°58	3°26	17°53	22°50	11° 8	3°35	4°53	21°51	1°10	S 26
S 27	16 43 1	11°20'39	27°13	28°18	14°26	2°43	4° 4	3°21	17°52	22°48	11° 9	3°30	4°50	21°58	1°15	S 27
M28	16 46 58	12°17'52	12♏ 3	0♊18	15°38	2°59	4°10	3°17	17°52	22°47	11°10	3°23	4°46	22° 5	1°21	M28
T 29	16 50 54	13°15'06	26°54	2°19	16°51	3°15	4°16	3°13	17°51	22°45	11°12	3°15	4°43	22°11	1°27	T 29
W30	16 54 51	14°12'18	11♐38	4°23	18° 3	3°32	4°22	3° 8	17°50	22°44	11°13	3° 8	4°40	22°18	1°33	W30
T 31	16 58 47	15♊ 9'30	26♐ 7	6♊28	19♉15	3♎50	4♍28	3♐ 4	17♒50	22♐42	11♊15	3♌ 2	4♌37	22♈25	1♌39	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n50	12s38	4n54	5n26	3s19	3n37	1s48	1n12	1n 7	11n55	1n22	19s24	1n54	16s14	0s42	22s 9	1n14	14n 7	8s 5	18n57	18n48	2n57	14n18	6s15
W 2	17 6	16 32	4 26	5 42	3 21	4 5	1 48	1 11	1 5	11 55	1 22	19 24	1 54	16 13	0 42	22 9	1 14	14 8	8 5	19 0	18 49	2 59	14 18	6 14
T 3	17 22	19 18	3 42	6 0	3 22	4 32	1 48	1 9	1 2	11 54	1 22	19 23	1 54	16 13	0 42	22 9	1 14	14 8	8 5	19 2	18 50	3 1	14 17	6 14
F 4	17 38	20 47	2 45	6 19	3 22	5 0	1 49	1 6	0 59	11 53	1 21	19 22	1 54	16 13	0 42	22 9	1 14	14 8	8 5	19 3	18 51	3 3	14 17	6 13
S 5	17 54	20 56	1 40	6 41	3 22	5 27	1 49	1 4	0 57	11 52	1 21	19 21	1 54	16 13	0 42	22 9	1 14	14 9	8 5	19 4	18 52	3 6	14 17	6 12
S 6	18 9	19 54	0 32	7 4	3 21	5 54	1 49	1 1	0 54	11 51	1 21	19 21	1 54	16 13	0 42	22 9	1 14	14 9	8 5	19 5	18 52	3 8	14 17	6 12
M 7	18 24	17 52	0s36	7 28	3 19	6 21	1 48	0 58	0 52	11 50	1 21	19 20	1 54	16 13	0 42	22 9	1 14	14 9	8 5	19 5	18 53	3 10	14 17	6 11
T 8	18 39	15 1	1 41	7 54	3 17	6 48	1 48	0 54	0 49	11 49	1 21	19 19	1 54	16 13	0 42	22 9	1 14	14 9	8 4	19 5	18 54	3 13	14 16	6 11
W 9	18 53	11 35	2 39	8 22	3 13	7 15	1 48	0 51	0 47	11 47	1 20	19 18	1 54	16 12	0 42	22 9	1 14	14 10	8 4	19 5	18 55	3 15	14 16	6 10
T 10	19 7	7 43	3 29	8 51	3 10	7 42	1 48	0 47	0 45	11 46	1 20	19 18	1 54	16 12	0 42	22 9	1 14	14 10	8 4	19 5	18 55	3 17	14 16	6 10
F 11	19 21	3 37	4 10	9 21	3 5	8 9	1 47	0 43	0 42	11 45	1 20	19 17	1 54	16 12	0 42	22 9	1 14	14 10	8 4	19 7	18 56	3 19	14 15	6 9
S 12	19 35	0n37	4 40	9 53	3 0	8 36	1 47	0 38	0 40	11 43	1 20	19 16	1 54	16 12	0 42	22 8	1 14	14 10	8 4	19 8	18 57	3 22	14 15	6 8
S 13	19 48	4 49	4 57	10 25	2 54	9 2	1 46	0 33	0 38	11 42	1 20	19 15	1 53	16 12	0 42	22 8	1 14	14 11	8 4	19 11	18 58	3 24	14 14	6 8
M14	20 0	8 52	5 2	10 59	2 48	9 28	1 45	0 28	0 35	11 40	1 19	19 15	1 53	16 12	0 42	22 8	1 14	14 11	8 4	19 13	18 59	3 26	14 14	6 7
T 15	20 13	12 36	4 54	11 34	2 41	9 54	1 45	0 23	0 33	11 39	1 19	19 14	1 53	16 12	0 43	22 8	1 14	14 11	8 4	19 16	18 59	3 29	14 13	6 7
W16	20 25	15 52	4 32	12 9	2 34	10 20	1 44	0 18	0 31	11 37	1 19	19 13	1 53	16 12	0 43	22 8	1 14	14 12	8 4	19 19	19 0	3 31	14 13	6 6
T 17	20 37	18 29	3 57	12 45	2 26	10 46	1 43	0 12	0 29	11 35	1 19	19 12	1 53	16 12	0 43	22 8	1 14	14 12	8 4	19 21	19 1	3 33	14 12	6 6
F 18	20 48	20 16	3 11	13 22	2 18	11 11	1 42	0 6	0 26	11 34	1 19	19 11	1 53	16 12	0 43	22 8	1 14	14 12	8 4	19 23	19 2	3 36	14 12	6 5
S 19	20 59	21 5	2 15	14 0	2 9	11 36	1 41	0s 0	0 24	11 32	1 18	19 11	1 53	16 12	0 43	22 8	1 14	14 12	8 4	19 25	19 2	3 38	14 11	6 5
S 20	21 10	20 50	1 11	14 38	2 0	12 1	1 40	0 7	0 22	11 30	1 18	19 10	1 53	16 13	0 43	22 8	1 14	14 13	8 3	19 25	19 3	3 40	14 11	6 4
M21	21 20	19 28	0 2	15 17	1 50	12 26	1 39	0 13	0 20	11 28	1 18	19 9	1 53	16 13	0 43	22 8	1 14	14 13	8 3	19 25	19 4	3 42	14 10	6 4
T 22	21 30	17 2	1n 9	15 55	1 40	12 50	1 37	0 20	0 18	11 26	1 18	19 8	1 53	16 13	0 43	22 8	1 14	14 13	8 3	19 25	19 5	3 45	14 10	6 3
W23	21 40	13 37	2 17	16 34	1 30	13 15	1 36	0 27	0 16	11 24	1 18	19 8	1 53	16 13	0 43	22 8	1 14	14 13	8 3	19 25	19 6	3 47	14 9	6 3
T 24	21 49	9 24	3 19	17 13	1 20	13 38	1 35	0 35	0 14	11 22	1 17	19 7	1 53	16 13	0 43	22 7	1 14	14 14	8 3	19 25	19 6	3 49	14 8	6 2
F 25	21 58	4 35	4 10	17 51	1 9	14 2	1 33	0 42	0 12	11 20	1 17	19 6	1 53	16 13	0 43	22 7	1 14	14 14	8 3	19 26	19 7	3 52	14 8	6 2
S 26	22 6	0s35	4 46	18 29	0 58	14 25	1 32	0 50	0 10	11 18	1 17	19 5	1 53	16 13	0 43	22 7	1 14	14 14	8 3	19 26	19 8	3 54	14 7	6 1
S 27	22 14	5 47	5 5	19 7	0 47	14 48	1 30	0 58	0 8	11 15	1 17	19 5	1 53	16 14	0 43	22 7	1 14	14 14	8 3	19 28	19 9	3 56	14 6	6 1
M28	22 22	10 43	5 3	19 43	0 36	15 11	1 29	1 6	0 6	11 13	1 17	19 4	1 52	16 14	0 43	22 7	1 14	14 14	8 3	19 29	19 9	3 59	14 5	6 0
T 29	22 29	15 0	4 41	20 19	0 24	15 33	1 27	1 14	0 4	11 11	1 17	19 3	1 52	16 14	0 43	22 7	1 14	14 15	8 3	19 31	19 10	4 1	14 5	6 0
W30	22 36	18 19	4 0	20 54	0 13	15 55	1 26	1 22	0 3	11 8	1 16	19 3	1 52	16 14	0 43	22 7	1 14	14 15	8 3	19 33	19 11	4 3	14 4	5 59
T 31	22n43	20s24	3n 5	21n27	0s 2	16n16	1s24	1s31	0n 1	11n 6	1n16	19s 2	1n52	16s14	0s43	22s 7	1n14	14n15	8s 3	19n34	19n12	4n 5	14n 3	5s59

Julian Day Number = 2145598.5, Delta T = 14m47s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'40, Lahiri = 12°10'40 Julian Calendar 1 May 1162 == Greg. Calendar 8 May 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

JUNE 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 2 44	16♊ 6'42	10♉15	8♊35	20♉27	4♎ 8	4♍34	3°R 0	17°R49	22°R41	11♊16	2°R58	4♌34	22♈31	1♌44	F 1
S 2	17 6 41	17° 3'53	23°58	10°44	21°40	4°26	4°41	2♐55	17♒48	22♐39	11°17	2♌56	4°31	22°38	1°51	S 2
S 3	17 10 37	18° 1'04	7♒15	12°53	22°52	4°45	4°48	2°51	17°48	22°37	11°19	2°D56	4°27	22°45	1°57	S 3
M 4	17 14 34	18°58'15	20° 8	15° 4	24° 4	5° 4	4°54	2°47	17°47	22°36	11°20	2°57	4°24	22°52	2° 3	M 4
T 5	17 18 30	19°55'25	2♓40	17°15	25°17	5°24	5° 1	2°43	17°46	22°34	11°22	2°58	4°21	22°58	2° 9	T 5
W 6	17 22 27	20°52'36	14°54	19°26	26°29	5°45	5° 8	2°39	17°45	22°32	11°23	2°59	4°18	23° 5	2°15	W 6
T 7	17 26 23	21°49'47	26°56	21°37	27°42	6° 5	5°15	2°35	17°44	22°31	11°24	2°R59	4°15	23°12	2°21	T 7
F 8	17 30 20	22°46'57	8♈51	23°48	28°54	6°26	5°23	2°31	17°43	22°29	11°26	2°58	4°11	23°18	2°28	F 8
S 9	17 34 17	23°44'08	20°43	25°58	0♊ 7	6°48	5°30	2°27	17°42	22°28	11°27	2°55	4° 8	23°25	2°34	S 9
S 10	17 38 13	24°41'19	2♉36	28° 8	1°19	7°10	5°38	2°23	17°41	22°26	11°29	2°50	4° 5	23°32	2°41	S 10
M11	17 42 10	25°38'30	14°35	0♋17	2°32	7°33	5°45	2°19	17°40	22°24	11°30	2°44	4° 2	23°39	2°47	M11
T 12	17 46 6	26°35'41	26°42	2°24	3°44	7°55	5°53	2°15	17°38	22°23	11°31	2°38	3°59	23°45	2°54	T 12
W13	17 50 3	27°32'52	8♊59	4°31	4°57	8°19	6° 1	2°11	17°37	22°21	11°33	2°32	3°56	23°52	3° 0	W13
T 14	17 53 59	28°30'03	21°28	6°35	6° 9	8°42	6° 9	2° 8	17°36	22°20	11°34	2°26	3°52	23°59	3° 7	T 14
F 15	17 57 56	29°27'14	4♋10	8°39	7°22	9° 6	6°17	2° 4	17°35	22°18	11°35	2°22	3°49	24° 6	3°14	F 15
S 16	18 1 52	0♋24'25	17° 4	10°40	8°35	9°31	6°26	2° 0	17°33	22°16	11°37	2°20	3°46	24°12	3°20	S 16
S 17	18 5 49	1°21'37	0♌11	12°40	9°48	9°56	6°34	1°57	17°32	22°15	11°38	2°D19	3°43	24°19	3°27	S 17
M18	18 9 46	2°18'48	13°30	14°38	11° 0	10°21	6°43	1°53	17°30	22°13	11°40	2°19	3°40	24°26	3°34	M18
T 19	18 13 42	3°15'59	27° 2	16°34	12°13	10°47	6°51	1°50	17°29	22°12	11°41	2°20	3°37	24°32	3°41	T 19
W20	18 17 39	4°13'10	10♍46	18°28	13°26	11°12	7° 0	1°46	17°27	22°10	11°42	2°22	3°33	24°39	3°48	W20
T 21	18 21 35	5°10'20	24°42	20°20	14°39	11°39	7° 9	1°43	17°26	22° 8	11°43	2°23	3°30	24°46	3°55	T 21
F 22	18 25 32	6° 7'31	8♎49	22°10	15°52	12° 5	7°18	1°40	17°24	22° 7	11°45	2°R23	3°27	24°53	4° 1	F 22
S 23	18 29 28	7° 4'42	23° 5	23°59	17° 5	12°32	7°27	1°37	17°23	22° 5	11°46	2°22	3°24	24°59	4° 8	S 23
S 24	18 33 25	8° 1'52	7♏28	25°45	18°17	12°59	7°36	1°33	17°21	22° 4	11°47	2°21	3°21	25° 6	4°16	S 24
M25	18 37 21	8°59'03	21°54	27°30	19°30	13°27	7°45	1°30	17°19	22° 2	11°49	2°18	3°17	25°13	4°23	M25
T 26	18 41 18	9°56'14	6♐19	29°12	20°43	13°55	7°55	1°27	17°18	22° 1	11°50	2°15	3°14	25°19	4°30	T 26
W27	18 45 15	10°53'25	20°37	0♌53	21°56	14°23	8° 4	1°25	17°16	21°59	11°51	2°12	3°11	25°26	4°37	W27
T 28	18 49 11	11°50'37	4♑43	2°32	23° 9	14°52	8°13	1°22	17°14	21°58	11°52	2°10	3° 8	25°33	4°44	T 28
F 29	18 53 8	12°47'49	18°33	4° 9	24°22	15°20	8°23	1°19	17°12	21°56	11°54	2° 8	3° 5	25°40	4°51	F 29
S 30	18 57 4	13♋45'01	2♒ 4	5♌44	25♊35	15♎49	8♍33	1♐16	17♒10	21♐55	11♊55	2°D 8	3♌ 2	25♈46	4♌58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n49	21s10	1n59	21n59	0n 9	16n38	1s22	1s40	0s 1	11n 3	1n16	19s 1	1n52	16s15	0s43	22s 7	1n14	14n15	8s 3	19n35	19n12	4n 8	14n 2	5s58
S 2	22 55	20 37	0 48	22 28	0 19	16 58	1 20	1 49	0 3	11 1	1 16	19 0	1 52	16 15	0 43	22 7	1 14	14 16	8 3	19 35	19 13	4 10	14 1	5 58
S 3	23 0	18 55	0s23	22 56	0 30	17 19	1 18	1 58	0 4	10 58	1 16	19 0	1 52	16 15	0 43	22 7	1 14	14 16	8 3	19 36	19 14	4 12	14 0	5 58
M 4	23 5	16 17	1 32	23 22	0 39	17 38	1 16	2 7	0 6	10 55	1 15	18 59	1 52	16 16	0 43	22 7	1 14	14 16	8 3	19 35	19 15	4 15	13 59	5 57
T 5	23 10	12 58	2 34	23 45	0 49	17 58	1 14	2 16	0 8	10 53	1 15	18 58	1 52	16 16	0 43	22 6	1 14	14 16	8 3	19 35	19 15	4 17	13 58	5 57
W 6	23 14	9 10	3 28	24 5	0 58	18 17	1 12	2 26	0 9	10 50	1 15	18 58	1 51	16 16	0 43	22 6	1 14	14 16	8 3	19 35	19 16	4 19	13 57	5 56
T 7	23 18	5 4	4 11	24 23	1 6	18 36	1 10	2 36	0 11	10 47	1 15	18 57	1 51	16 16	0 43	22 6	1 14	14 17	8 3	19 35	19 17	4 22	13 56	5 56
F 8	23 21	0 49	4 43	24 38	1 14	18 54	1 8	2 46	0 13	10 44	1 15	18 56	1 51	16 17	0 43	22 6	1 14	14 17	8 3	19 35	19 18	4 24	13 55	5 56
S 9	23 24	3n27	5 3	24 50	1 21	19 11	1 6	2 56	0 14	10 41	1 15	18 56	1 51	16 17	0 43	22 6	1 14	14 17	8 3	19 36	19 19	4 26	13 54	5 55
S 10	23 26	7 35	5 10	25 0	1 28	19 28	1 4	3 6	0 16	10 38	1 14	18 55	1 51	16 18	0 43	22 6	1 14	14 17	8 3	19 37	19 19	4 29	13 53	5 55
M11	23 28	11 27	5 3	25 6	1 33	19 45	1 2	3 16	0 17	10 35	1 14	18 54	1 51	16 18	0 43	22 6	1 14	14 17	8 3	19 38	19 20	4 31	13 52	5 54
T 12	23 30	14 55	4 43	25 10	1 38	20 1	0 59	3 27	0 19	10 32	1 14	18 54	1 51	16 18	0 44	22 6	1 14	14 18	8 3	19 40	19 21	4 33	13 51	5 54
W13	23 31	17 47	4 10	25 11	1 43	20 17	0 57	3 37	0 20	10 29	1 14	18 53	1 50	16 19	0 44	22 6	1 14	14 18	8 3	19 41	19 22	4 35	13 50	5 54
T 14	23 32	19 52	3 24	25 9	1 46	20 32	0 55	3 48	0 22	10 26	1 14	18 53	1 50	16 19	0 44	22 6	1 14	14 18	8 3	19 42	19 22	4 38	13 49	5 53
F 15	23 33	21 1	2 28	25 5	1 49	20 46	0 52	3 59	0 23	10 23	1 14	18 52	1 50	16 20	0 44	22 6	1 14	14 18	8 3	19 43	19 23	4 40	13 48	5 53
S 16	23 33	21 5	1 22	24 58	1 51	21 0	0 50	4 10	0 25	10 20	1 14	18 51	1 50	16 20	0 44	22 6	1 14	14 18	8 3	19 44	19 24	4 42	13 47	5 53
S 17	23 32	20 1	0 12	24 49	1 53	21 14	0 48	4 21	0 26	10 17	1 13	18 51	1 50	16 21	0 44	22 5	1 14	14 18	8 3	19 44	19 25	4 45	13 45	5 52
M18	23 32	17 49	1n 1	24 37	1 53	21 27	0 45	4 32	0 27	10 13	1 13	18 50	1 50	16 21	0 44	22 5	1 14	14 19	8 3	19 44	19 25	4 47	13 44	5 52
T 19	23 30	14 36	2 11	24 23	1 53	21 39	0 43	4 43	0 29	10 10	1 13	18 50	1 50	16 21	0 44	22 5	1 14	14 19	8 3	19 44	19 26	4 49	13 43	5 52
W20	23 29	10 34	3 15	24 8	1 53	21 51	0 40	4 55	0 30	10 6	1 13	18 49	1 49	16 22	0 44	22 5	1 14	14 19	8 3	19 43	19 27	4 52	13 42	5 51
T 21	23 27	5 55	4 9	23 50	1 51	22 2	0 38	5 6	0 31	10 3	1 13	18 49	1 49	16 22	0 44	22 5	1 14	14 19	8 3	19 43	19 27	4 54	13 40	5 51
F 22	23 24	0 54	4 48	23 31	1 50	22 12	0 35	5 18	0 33	10 0	1 13	18 48	1 49	16 23	0 44	22 5	1 14	14 19	8 3	19 43	19 28	4 56	13 39	5 51
S 23	23 21	4s13	5 10	23 10	1 47	22 22	0 33	5 30	0 34	9 56	1 12	18 48	1 49	16 24	0 44	22 5	1 14	14 19	8 3	19 43	19 29	4 59	13 38	5 50
S 24	23 18	9 8	5 13	22 47	1 44	22 31	0 30	5 42	0 35	9 52	1 12	18 47	1 49	16 24	0 44	22 5	1 14	14 19	8 3	19 44	19 30	5 1	13 36	5 50
M25	23 14	13 34	4 56	22 23	1 40	22 40	0 28	5 54	0 37	9 49	1 12	18 47	1 48	16 25	0 44	22 5	1 14	14 20	8 3	19 44	19 30	5 3	13 35	5 50
T 26	23 10	17 11	4 20	21 58	1 36	22 48	0 25	6 6	0 38	9 45	1 12	18 47	1 48	16 25	0 44	22 5	1 14	14 20	8 3	19 45	19 31	5 6	13 34	5 50
W27	23 6	19 44	3 29	21 32	1 31	22 55	0 23	6 18	0 39	9 42	1 12	18 46	1 48	16 26	0 44	22 5	1 14	14 20	8 3	19 45	19 32	5 8	13 32	5 49
T 28	23 1	21 3	2 25	21 5	1 26	23 2	0 20	6 30	0 40	9 38	1 12	18 46	1 48	16 26	0 44	22 5	1 14	14 20	8 3	19 46	19 33	5 10	13 31	5 49
F 29	22 56	21 2	1 14	20 36	1 20	23 8	0 18	6 42	0 41	9 34	1 12	18 45	1 48	16 27	0 44	22 5	1 14	14 20	8 3	19 46	19 33	5 12	13 29	5 49
S 30	22n50	19s47	0n 0	20n 7	1n14	23n13	0s15	6s54	0s43	9n30	1n12	18s45	1n48	16s27	0s44	22s 5	1n13	14n20	8s 3	19n46	19n34	5n15	13n28	5s49

Julian Day Number = 2145629.5, Delta T = 14m47s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'44, Lahiri = 12°10'44 Julian Calendar 1 June 1162 == Greg. Calendar 8 June 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

JULY 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 1	14♋42'14	15♒14	7♌17	26♊49	16♎19	8♍43	1°R14	17°R 8	21°R53	11♊56	2♌ 8	2♌58	25♈53	5♌ 6	S 1
M 2	19 4 57	15°39'28	28° 4	8°48	28° 2	16°48	8°53	1♐11	17♒ 7	21♐52	11°57	2° 9	2°55	26° 0	5°13	M 2
T 3	19 8 54	16°36'42	10♓35	10°17	29°15	17°18	9° 3	1° 9	17° 5	21°50	11°59	2°11	2°52	26° 7	5°20	T 3
W 4	19 12 50	17°33'58	22°51	11°44	0♋28	17°48	9°13	1° 6	17° 3	21°49	12° 0	2°12	2°49	26°13	5°28	W 4
T 5	19 16 47	18°31'14	4♈55	13° 9	1°41	18°19	9°23	1° 4	17° 1	21°47	12° 1	2°13	2°46	26°20	5°35	T 5
F 6	19 20 44	19°28'31	16°51	14°32	2°55	18°50	9°33	1° 2	16°59	21°46	12° 2	2°R13	2°43	26°27	5°42	F 6
S 7	19 24 40	20°25'49	28°45	15°53	4° 8	19°21	9°43	1° 0	16°57	21°45	12° 3	2°13	2°39	26°33	5°50	S 7
S 8	19 28 37	21°23'08	10♉40	17°12	5°21	19°52	9°54	0°58	16°55	21°43	12° 4	2°12	2°36	26°40	5°57	S 8
M 9	19 32 33	22°20'28	22°41	18°29	6°35	20°23	10° 4	0°56	16°52	21°42	12° 6	2°11	2°33	26°47	6° 4	M 9
T 10	19 36 30	23°17'49	4♊51	19°43	7°48	20°55	10°15	0°54	16°50	21°41	12° 7	2°10	2°30	26°54	6°12	T 10
W11	19 40 26	24°15'11	17°15	20°55	9° 2	21°27	10°26	0°52	16°48	21°39	12° 8	2° 9	2°27	27° 0	6°19	W11
T 12	19 44 23	25°12'35	29°55	22° 5	10°15	21°59	10°36	0°50	16°46	21°38	12° 9	2° 8	2°23	27° 7	6°27	T 12
F 13	19 48 19	26° 9'59	12♋52	23°13	11°29	22°32	10°47	0°49	16°44	21°37	12°10	2° 8	2°20	27°14	6°34	F 13
S 14	19 52 16	27° 7'24	26° 5	24°18	12°42	23° 4	10°58	0°47	16°42	21°36	12°11	2°D 7	2°17	27°20	6°42	S 14
S 15	19 56 13	28° 4'50	9♌36	25°20	13°56	23°37	11° 9	0°46	16°39	21°34	12°12	2° 7	2°14	27°27	6°49	S 15
M16	20 0 9	29° 2'18	23°21	26°20	15° 9	24°10	11°20	0°44	16°37	21°33	12°13	2° 8	2°11	27°34	6°57	M16
T 17	20 4 6	29°59'46	7♍18	27°17	16°23	24°44	11°31	0°43	16°35	21°32	12°14	2° 8	2° 8	27°41	7° 5	T 17
W18	20 8 2	0♌57'14	21°24	28°11	17°36	25°17	11°42	0°42	16°33	21°31	12°15	2° 8	2° 4	27°47	7°12	W18
T 19	20 11 59	1°54'44	5♎37	29° 2	18°50	25°51	11°54	0°41	16°30	21°30	12°16	2°R 8	2° 1	27°54	7°20	T 19
F 20	20 15 55	2°52'14	19°52	29°49	20° 4	26°25	12° 5	0°40	16°28	21°29	12°17	2° 8	1°58	28° 1	7°27	F 20
S 21	20 19 52	3°49'45	4♏ 7	0♍34	21°18	26°59	12°16	0°39	16°26	21°27	12°18	2°D 8	1°55	28° 8	7°35	S 21
S 22	20 23 48	4°47'18	18°20	1°14	22°31	27°34	12°28	0°38	16°23	21°26	12°19	2° 8	1°52	28°14	7°43	S 22
M23	20 27 45	5°44'51	2♐27	1°51	23°45	28° 8	12°39	0°38	16°21	21°25	12°20	2° 8	1°49	28°21	7°50	M23
T 24	20 31 42	6°42'25	16°27	2°24	24°59	28°43	12°51	0°37	16°19	21°24	12°21	2° 9	1°45	28°28	7°58	T 24
W25	20 35 38	7°40'00	0♑17	2°52	26°13	29°18	13° 2	0°37	16°16	21°23	12°22	2° 9	1°42	28°34	8° 5	W25
T 26	20 39 35	8°37'36	13°56	3°17	27°27	29°54	13°14	0°36	16°14	21°22	12°22	2°10	1°39	28°41	8°13	T 26
F 27	20 43 31	9°35'13	27°21	3°36	28°41	0♏29	13°26	0°36	16°12	21°21	12°23	2°R10	1°36	28°48	8°21	F 27
S 28	20 47 28	10°32'52	10♒32	3°51	29°54	1° 5	13°38	0°36	16° 9	21°20	12°24	2°10	1°33	28°55	8°28	S 28
S 29	20 51 24	11°30'31	23°28	4° 0	1♌ 8	1°40	13°49	0°D36	16° 7	21°20	12°25	2° 9	1°29	29° 1	8°36	S 29
M30	20 55 21	12°28'13	6♓ 9	4°R 5	2°22	2°16	14° 1	0°36	16° 5	21°19	12°26	2° 8	1°26	29° 8	8°44	M30
T 31	20 59 17	13♌25'55	18♓35	4♍ 3	3♌36	2♏52	14♍13	0♐36	16♒ 2	21♐18	12♊27	2♌ 7	1♌23	29♈15	8♌51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n44	17s29	1s12	19n37	1n 7	23n18	0s13	7s 7	0s44	9n27	1n11	18s45	1n47	16s28	0s44	22s 4	1n13	14n20	8s 3	19n46	19n35	5n17	13n26	5s48
M 2	22 37	14 22	2 18	19 7	1 0	23 22	0 10	7 19	0 45	9 23	1 11	18 44	1 47	16 29	0 44	22 4	1 13	14 20	8 3	19 46	19 36	5 19	13 25	5 48
T 3	22 30	10 40	3 17	18 36	0 53	23 25	0 8	7 32	0 46	9 19	1 11	18 44	1 47	16 29	0 44	22 4	1 13	14 20	8 3	19 46	19 36	5 22	13 23	5 48
W 4	22 23	6 35	4 5	18 4	0 45	23 28	0 5	7 44	0 47	9 15	1 11	18 44	1 47	16 30	0 44	22 4	1 13	14 21	8 3	19 46	19 37	5 24	13 22	5 48
T 5	22 16	2 20	4 41	17 32	0 37	23 30	0 2	7 57	0 48	9 11	1 11	18 44	1 47	16 31	0 44	22 4	1 13	14 21	8 3	19 45	19 38	5 26	13 20	5 48
F 6	22 8	1n57	5 5	17 0	0 28	23 31	0n 0	8 10	0 49	9 7	1 11	18 43	1 46	16 31	0 44	22 4	1 13	14 21	8 3	19 45	19 39	5 29	13 19	5 47
S 7	21 59	6 9	5 16	16 27	0 19	23 31	0 3	8 23	0 50	9 3	1 11	18 43	1 46	16 32	0 44	22 4	1 13	14 21	8 4	19 45	19 39	5 31	13 17	5 47
S 8	21 50	10 8	5 13	15 55	0 10	23 31	0 5	8 35	0 51	8 59	1 11	18 43	1 46	16 32	0 44	22 4	1 13	14 21	8 4	19 45	19 40	5 33	13 16	5 47
M 9	21 41	13 45	4 56	15 22	0 1	23 31	0 8	8 48	0 52	8 55	1 10	18 43	1 46	16 33	0 44	22 4	1 13	14 21	8 4	19 46	19 41	5 36	13 14	5 47
T 10	21 32	16 50	4 26	14 49	0s 9	23 29	0 10	9 1	0 53	8 51	1 10	18 42	1 46	16 34	0 44	22 4	1 13	14 21	8 4	19 46	19 41	5 38	13 12	5 47
W11	21 22	19 13	3 44	14 17	0 19	23 27	0 13	9 14	0 54	8 46	1 10	18 42	1 45	16 34	0 44	22 4	1 13	14 21	8 4	19 46	19 42	5 40	13 11	5 47
T 12	21 11	20 44	2 49	13 44	0 30	23 24	0 15	9 27	0 55	8 42	1 10	18 42	1 45	16 35	0 44	22 4	1 13	14 21	8 4	19 46	19 43	5 43	13 9	5 46
F 13	21 1	21 11	1 45	13 12	0 40	23 20	0 17	9 40	0 56	8 38	1 10	18 42	1 45	16 36	0 44	22 4	1 13	14 21	8 4	19 46	19 44	5 45	13 7	5 46
S 14	20 50	20 29	0 33	12 41	0 51	23 16	0 20	9 53	0 57	8 34	1 10	18 42	1 45	16 36	0 44	22 4	1 13	14 21	8 4	19 47	19 44	5 47	13 5	5 46
S 15	20 38	18 36	0n41	12 9	1 2	23 11	0 22	10 6	0 58	8 30	1 10	18 42	1 44	16 37	0 44	22 4	1 13	14 21	8 4	19 47	19 45	5 50	13 4	5 46
M16	20 27	15 36	1 55	11 39	1 13	23 5	0 25	10 20	0 59	8 25	1 10	18 42	1 44	16 38	0 44	22 4	1 13	14 21	8 4	19 46	19 46	5 52	13 2	5 46
T 17	20 15	11 42	3 3	11 9	1 25	22 59	0 27	10 33	1 0	8 21	1 10	18 42	1 44	16 39	0 44	22 4	1 13	14 21	8 4	19 46	19 46	5 54	13 0	5 46
W18	20 2	7 6	4 0	10 39	1 36	22 52	0 29	10 46	1 1	8 17	1 10	18 42	1 44	16 39	0 44	22 4	1 13	14 21	8 4	19 46	19 47	5 57	12 59	5 46
T 19	19 49	2 6	4 44	10 11	1 48	22 44	0 31	10 59	1 1	8 12	1 9	18 42	1 44	16 40	0 44	22 4	1 13	14 21	8 4	19 46	19 48	5 59	12 57	5 46
F 20	19 36	3s 1	5 10	9 43	1 59	22 36	0 34	11 12	1 2	8 8	1 9	18 42	1 43	16 41	0 44	22 4	1 13	14 21	8 5	19 46	19 49	6 1	12 55	5 46
S 21	19 23	7 59	5 17	9 17	2 11	22 27	0 36	11 26	1 3	8 3	1 9	18 42	1 43	16 41	0 44	22 4	1 13	14 22	8 5	19 46	19 49	6 3	12 53	5 46
S 22	19 9	12 29	5 4	8 51	2 23	22 17	0 38	11 39	1 4	7 59	1 9	18 42	1 43	16 42	0 44	22 3	1 13	14 22	8 5	19 46	19 50	6 6	12 51	5 46
M23	18 55	16 16	4 34	8 28	2 34	22 7	0 40	11 52	1 5	7 54	1 9	18 42	1 43	16 43	0 44	22 3	1 13	14 22	8 5	19 46	19 51	6 8	12 49	5 45
T 24	18 41	19 5	3 47	8 5	2 46	21 55	0 42	12 5	1 6	7 50	1 9	18 42	1 42	16 44	0 44	22 3	1 13	14 22	8 5	19 46	19 51	6 10	12 48	5 45
W25	18 26	20 45	2 48	7 44	2 57	21 44	0 44	12 19	1 6	7 45	1 9	18 42	1 42	16 44	0 44	22 3	1 13	14 22	8 5	19 46	19 52	6 13	12 46	5 45
T 26	18 11	21 10	1 39	7 25	3 9	21 31	0 46	12 32	1 7	7 41	1 9	18 42	1 42	16 45	0 45	22 3	1 13	14 22	8 5	19 46	19 53	6 15	12 44	5 45
F 27	17 56	20 21	0 27	7 8	3 20	21 18	0 48	12 45	1 8	7 36	1 9	18 42	1 42	16 46	0 45	22 3	1 13	14 22	8 5	19 46	19 54	6 17	12 42	5 45
S 28	17 40	18 25	0s46	6 53	3 30	21 5	0 50	12 58	1 9	7 31	1 9	18 43	1 42	16 46	0 45	22 3	1 13	14 22	8 5	19 46	19 54	6 20	12 40	5 45
S 29	17 24	15 34	1 55	6 40	3 41	20 51	0 52	13 12	1 9	7 27	1 9	18 43	1 41	16 47	0 45	22 3	1 13	14 22	8 5	19 46	19 55	6 22	12 38	5 45
M30	17 8	12 2	2 57	6 29	3 50	20 36	0 54	13 25	1 10	7 22	1 9	18 43	1 41	16 48	0 45	22 3	1 12	14 22	8 6	19 46	19 56	6 24	12 36	5 45
T 31	16n52	8s 3	3s49	6n21	3s59	20n20	0n56	13s38	1s11	7n17	1n 9	18s43	1n41	16s49	0s45	22s 3	1n12	14n22	8s 6	19n47	19n56	6n27	12n34	5s45

Julian Day Number = 2145659.5, Delta T = 14m47s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'48, Lahiri = 12°10'48 Julian Calendar 1 July 1162 == Greg. Calendar 8 July 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

AUGUST 1162 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 3 14	14♌23'39	0♈48	3°R57	4♌50	3♏29	14♍25	0♐36	16°R 0	21°R17	12♊27	2°R 5	1♌20	29♈22	8♌59	W 1
T 2	21 7 11	15°21'25	12°51	3♍44	6° 5	4° 5	14°37	0°36	15♒57	21♐16	12°28	2♌ 3	1°17	29°28	9° 6	T 2
F 3	21 11 7	16°19'13	24°47	3°26	7°19	4°42	14°49	0°37	15°55	21°15	12°29	2° 2	1°14	29°35	9°14	F 3
S 4	21 15 4	17°17'02	6♉40	3° 2	8°33	5°19	15° 1	0°37	15°53	21°15	12°30	2° 1	1°10	29°42	9°22	S 4
S 5	21 19 0	18°14'53	18°35	2°32	9°47	5°56	15°14	0°38	15°50	21°14	12°30	2°D 1	1° 7	29°48	9°29	S 5
M 6	21 22 57	19°12'46	0♊35	1°56	11° 1	6°33	15°26	0°39	15°48	21°13	12°31	2° 1	1° 4	29°55	9°37	M 6
T 7	21 26 53	20°10'41	12°46	1°16	12°15	7°10	15°38	0°39	15°45	21°13	12°32	2° 2	1° 1	0♉ 2	9°44	T 7
W 8	21 30 50	21° 8'37	25°11	0°31	13°30	7°48	15°50	0°40	15°43	21°12	12°32	2° 3	0°58	0° 9	9°52	W 8
T 9	21 34 46	22° 6'36	7♋56	29♌41	14°44	8°25	16° 3	0°41	15°41	21°11	12°33	2° 5	0°54	0°15	9°59	T 9
F 10	21 38 43	23° 4'36	21° 1	28°49	15°58	9° 3	16°15	0°42	15°38	21°11	12°33	2° 6	0°51	0°22	10° 7	F 10
S 11	21 42 40	24° 2'38	4♌30	27°54	17°13	9°41	16°28	0°43	15°36	21°10	12°34	2°R 6	0°48	0°29	10°15	S 11
S 12	21 46 36	25° 0'42	18°20	26°58	18°27	10°19	16°40	0°45	15°33	21°10	12°34	2° 5	0°45	0°35	10°22	S 12
M13	21 50 33	25°58'48	2♍30	26° 1	19°41	10°58	16°53	0°46	15°31	21° 9	12°35	2° 4	0°42	0°42	10°30	M13
T 14	21 54 29	26°56'55	16°55	25° 5	20°56	11°36	17° 5	0°47	15°29	21° 9	12°36	2° 1	0°39	0°49	10°37	T 14
W15	21 58 26	27°55'04	1♎29	24°12	22°10	12°15	17°18	0°49	15°26	21° 9	12°36	1°57	0°35	0°56	10°45	W15
T 16	22 2 22	28°53'14	16° 6	23°22	23°25	12°53	17°30	0°51	15°24	21° 8	12°36	1°54	0°32	1° 2	10°52	T 16
F 17	22 6 19	29°51'26	0♏40	22°36	24°39	13°32	17°43	0°52	15°22	21° 8	12°37	1°50	0°29	1° 9	10°59	F 17
S 18	22 10 15	0♍49'39	15° 5	21°56	25°54	14°11	17°56	0°54	15°20	21° 8	12°37	1°48	0°26	1°16	11° 7	S 18
S 19	22 14 12	1°47'54	29°17	21°23	27° 8	14°51	18° 8	0°56	15°17	21° 7	12°38	1°D47	0°23	1°23	11°14	S 19
M20	22 18 9	2°46'11	13♐16	20°57	28°23	15°30	18°21	0°58	15°15	21° 7	12°38	1°48	0°20	1°29	11°22	M20
T 21	22 22 5	3°44'29	26°59	20°39	29°37	16° 9	18°34	1° 0	15°13	21° 7	12°38	1°49	0°16	1°36	11°29	T 21
W22	22 26 2	4°42'48	10♑27	20°30	0♍52	16°49	18°46	1° 2	15°11	21° 7	12°39	1°51	0°13	1°43	11°36	W22
T 23	22 29 58	5°41'09	23°42	20°D30	2° 6	17°29	18°59	1° 5	15° 8	21° 6	12°39	1°52	0°10	1°49	11°44	T 23
F 24	22 33 55	6°39'32	6♒44	20°40	3°21	18° 9	19°12	1° 7	15° 6	21° 6	12°39	1°R52	0° 7	1°56	11°51	F 24
S 25	22 37 51	7°37'57	19°33	20°58	4°36	18°49	19°25	1°10	15° 4	21° 6	12°40	1°50	0° 4	2° 3	11°58	S 25
S 26	22 41 48	8°36'23	2♓11	21°25	5°50	19°29	19°38	1°12	15° 2	21° 6	12°40	1°47	0° 0	2°10	12° 5	S 26
M27	22 45 44	9°34'52	14°38	22° 2	7° 5	20° 9	19°51	1°15	15° 0	21°D 6	12°40	1°42	29♋57	2°16	12°12	M27
T 28	22 49 41	10°33'22	26°54	22°46	8°20	20°49	20° 3	1°18	14°58	21° 6	12°40	1°36	29°54	2°23	12°19	T 28
W29	22 53 37	11°31'54	9♈ 2	23°39	9°34	21°30	20°16	1°20	14°56	21° 6	12°41	1°29	29°51	2°30	12°27	W29
T 30	22 57 34	12°30'28	21° 1	24°40	10°49	22°11	20°29	1°23	14°54	21° 6	12°41	1°21	29°48	2°37	12°34	T 30
F 31	23 1 31	13♍29'05	2♉56	25♌47	12♍ 4	22♏51	20♍42	1♐26	14♒52	21♐ 6	12♊41	1♌14	29♋45	2♉43	12♌41	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n35	3s48	4s30	6n16	4s 8	20n 4	0n58	13s51	1s12	7n13	1n 8	18s44	1n41	16s49	0s45	22s 3	1n12	14n22	8s 6	19n47	19n57	6n29	12n32	5s45
T 2	16 18	0n31	4 58	6 13	4 15	19 48	0 59	14 4	1 12	7 8	1 8	18 44	1 40	16 50	0 45	22 3	1 12	14 22	8 6	19 47	19 58	6 31	12 30	5 45
F 3	16 1	4 47	5 13	6 14	4 22	19 31	1 1	14 17	1 13	7 3	1 8	18 44	1 40	16 51	0 45	22 3	1 12	14 21	8 6	19 48	19 59	6 34	12 28	5 45
S 4	15 43	8 51	5 15	6 17	4 27	19 13	1 3	14 30	1 14	6 58	1 8	18 45	1 40	16 51	0 45	22 3	1 12	14 21	8 6	19 48	19 59	6 36	12 26	5 45
S 5	15 26	12 35	5 3	6 24	4 31	18 55	1 4	14 43	1 14	6 54	1 8	18 45	1 40	16 52	0 45	22 3	1 12	14 21	8 6	19 48	20 0	6 38	12 24	5 45
M 6	15 8	15 50	4 37	6 34	4 34	18 36	1 6	14 56	1 15	6 49	1 8	18 45	1 40	16 53	0 45	22 3	1 12	14 21	8 6	19 48	20 1	6 41	12 22	5 45
T 7	14 49	18 28	3 59	6 48	4 35	18 17	1 7	15 9	1 15	6 44	1 8	18 46	1 39	16 54	0 45	22 3	1 12	14 21	8 7	19 48	20 1	6 43	12 20	5 46
W 8	14 31	20 18	3 10	7 4	4 34	17 57	1 9	15 22	1 16	6 39	1 8	18 46	1 39	16 54	0 45	22 3	1 12	14 21	8 7	19 47	20 2	6 45	12 18	5 46
T 9	14 12	21 9	2 9	7 24	4 31	17 36	1 10	15 35	1 17	6 34	1 8	18 46	1 39	16 55	0 45	22 3	1 12	14 21	8 7	19 47	20 3	6 48	12 16	5 46
F 10	13 53	20 54	1 1	7 46	4 27	17 15	1 11	15 48	1 17	6 29	1 8	18 47	1 39	16 56	0 45	22 3	1 12	14 21	8 7	19 47	20 3	6 50	12 14	5 46
S 11	13 34	19 26	0n13	8 11	4 21	16 54	1 13	16 1	1 18	6 25	1 8	18 47	1 38	16 56	0 45	22 3	1 12	14 21	8 7	19 47	20 4	6 52	12 12	5 46
S 12	13 15	16 48	1 28	8 37	4 12	16 32	1 14	16 13	1 18	6 20	1 8	18 48	1 38	16 57	0 45	22 3	1 12	14 21	8 7	19 47	20 5	6 54	12 10	5 46
M13	12 55	13 6	2 39	9 6	4 2	16 10	1 15	16 26	1 19	6 15	1 8	18 48	1 38	16 58	0 45	22 3	1 12	14 21	8 7	19 47	20 5	6 57	12 8	5 46
T 14	12 35	8 35	3 42	9 36	3 50	15 47	1 16	16 38	1 19	6 10	1 8	18 49	1 38	16 59	0 45	22 3	1 12	14 21	8 7	19 48	20 6	6 59	12 6	5 46
W15	12 15	3 32	4 30	10 6	3 37	15 24	1 17	16 51	1 20	6 5	1 8	18 49	1 38	16 59	0 45	22 3	1 12	14 21	8 8	19 49	20 7	7 1	12 4	5 46
T 16	11 55	1s44	5 1	10 37	3 22	15 0	1 18	17 3	1 21	6 0	1 8	18 50	1 37	17 0	0 45	22 3	1 12	14 21	8 8	19 50	20 8	7 4	12 2	5 46
F 17	11 34	6 52	5 13	11 7	3 5	14 36	1 19	17 16	1 21	5 55	1 8	18 50	1 37	17 1	0 45	22 3	1 12	14 21	8 8	19 50	20 8	7 6	11 59	5 47
S 18	11 14	11 34	5 5	11 37	2 48	14 12	1 20	17 28	1 22	5 50	1 8	18 51	1 37	17 1	0 45	22 3	1 12	14 21	8 8	19 51	20 9	7 8	11 57	5 47
S 19	10 53	15 34	4 38	12 5	2 29	13 47	1 21	17 40	1 22	5 45	1 8	18 52	1 37	17 2	0 45	22 3	1 12	14 21	8 8	19 51	20 10	7 11	11 55	5 47
M20	10 32	18 37	3 55	12 31	2 10	13 22	1 21	17 52	1 22	5 40	1 8	18 52	1 36	17 3	0 44	22 3	1 12	14 21	8 8	19 51	20 10	7 13	11 53	5 47
T 21	10 11	20 32	2 59	12 55	1 51	12 56	1 22	18 4	1 23	5 35	1 8	18 53	1 36	17 3	0 44	22 4	1 11	14 20	8 8	19 51	20 11	7 15	11 51	5 47
W22	9 50	21 14	1 54	13 16	1 32	12 30	1 22	18 16	1 23	5 30	1 8	18 54	1 36	17 4	0 44	22 4	1 11	14 20	8 8	19 50	20 12	7 18	11 49	5 47
T 23	9 28	20 44	0 44	13 34	1 13	12 4	1 23	18 28	1 24	5 25	1 8	18 54	1 36	17 5	0 44	22 4	1 11	14 20	8 9	19 50	20 12	7 20	11 47	5 48
F 24	9 6	19 6	0s26	13 48	0 55	11 37	1 23	18 40	1 24	5 20	1 8	18 55	1 36	17 5	0 44	22 4	1 11	14 20	8 9	19 50	20 13	7 22	11 45	5 48
S 25	8 45	16 31	1 35	14 0	0 37	11 10	1 24	18 51	1 25	5 15	1 8	18 56	1 35	17 6	0 44	22 4	1 11	14 20	8 9	19 50	20 14	7 25	11 42	5 48
S 26	8 23	13 11	2 37	14 7	0 19	10 43	1 24	19 3	1 25	5 10	1 8	18 56	1 35	17 6	0 44	22 4	1 11	14 20	8 9	19 51	20 14	7 27	11 40	5 48
M27	8 1	9 19	3 31	14 11	0 3	10 15	1 24	19 14	1 25	5 4	1 8	18 57	1 35	17 7	0 44	22 4	1 11	14 20	8 9	19 52	20 15	7 29	11 38	5 48
T 28	7 39	5 7	4 15	14 11	0n13	9 47	1 25	19 25	1 26	4 59	1 7	18 58	1 35	17 8	0 44	22 4	1 11	14 20	8 9	19 54	20 16	7 32	11 36	5 49
W29	7 16	0 47	4 46	14 7	0 27	9 19	1 25	19 36	1 26	4 54	1 7	18 59	1 34	17 8	0 44	22 4	1 11	14 20	8 9	19 55	20 16	7 34	11 34	5 49
T 30	6 54	3n33	5 4	14 0	0 41	8 51	1 25	19 47	1 27	4 49	1 7	19 0	1 34	17 9	0 44	22 4	1 11	14 20	8 10	19 57	20 17	7 36	11 32	5 49
F 31	6n31	7n42	5s 9	13n49	0n53	8n22	1n25	19s58	1s27	4n44	1n 7	19s 0	1n34	17s 9	0s44	22s 4	1n11	14n19	8s10	19n58	20n18	7n38	11n29	5s49

Julian Day Number = 2145690.5, Delta T = 14m46s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'52, Lahiri = 12°10'53 Julian Calendar 1 Aug. 1162 == Greg. Calendar 8 Aug. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

SEPTEMBER 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 5 27	14♍27'43	14♉47	27♌ 1	13♍18	23♏32	20♍55	1♐29	14°R50	21♐ 7	12♊41	1°R 9	29♋41	2♉50	12♌48	S 1
S 2	23 9 24	15°26'24	26°40	28°21	14°33	24°13	21° 8	1°33	14♒48	21° 7	12°41	1♌ 5	29°38	2°57	12°55	S 2
M 3	23 13 20	16°25'08	8♊38	29°46	15°48	24°54	21°21	1°36	14°46	21° 7	12°41	1° 3	29°35	3° 3	13° 2	M 3
T 4	23 17 17	17°23'53	20°45	1♍15	17° 3	25°35	21°34	1°39	14°44	21° 7	12°41	1°D 2	29°32	3°10	13° 8	T 4
W 5	23 21 13	18°22'41	3♋ 8	2°49	18°18	26°17	21°47	1°43	14°42	21° 7	12°41	1° 3	29°29	3°17	13°15	W 5
T 6	23 25 10	19°21'31	15°50	4°25	19°33	26°58	22° 0	1°46	14°40	21° 8	12°R41	1° 5	29°26	3°24	13°22	T 6
F 7	23 29 6	20°20'23	28°56	6° 5	20°47	27°40	22°13	1°50	14°38	21° 8	12°41	1°R 5	29°22	3°30	13°29	F 7
S 8	23 33 3	21°19'18	12♌28	7°47	22° 2	28°21	22°26	1°53	14°36	21° 8	12°41	1° 5	29°19	3°37	13°36	S 8
S 9	23 37 0	22°18'15	26°28	9°31	23°17	29° 3	22°39	1°57	14°35	21° 9	12°41	1° 2	29°16	3°44	13°42	S 9
M10	23 40 56	23°17'14	10♍54	11°16	24°32	29°45	22°52	2° 1	14°33	21° 9	12°41	0°57	29°13	3°50	13°49	M10
T 11	23 44 53	24°16'15	25°41	13° 2	25°47	0♐27	23° 5	2° 5	14°31	21°10	12°41	0°50	29°10	3°57	13°55	T 11
W12	23 48 49	25°15'18	10♎40	14°49	27° 2	1° 9	23°18	2° 9	14°30	21°10	12°41	0°42	29° 6	4° 4	14° 2	W12
T 13	23 52 46	26°14'24	25°43	16°37	28°17	1°52	23°31	2°13	14°28	21°11	12°41	0°34	29° 3	4°11	14° 8	T 13
F 14	23 56 42	27°13'31	10♏40	18°24	29°32	2°34	23°44	2°17	14°26	21°11	12°41	0°26	29° 0	4°17	14°15	F 14
S 15	0 0 39	28°12'40	25°23	20°12	0♎47	3°16	23°57	2°21	14°25	21°12	12°40	0°20	28°57	4°24	14°21	S 15
S 16	0 4 35	29°11'51	9♐46	22° 0	2° 2	3°59	24°10	2°26	14°23	21°13	12°40	0°16	28°54	4°31	14°27	S 16
M17	0 8 32	0♎11'03	23°47	23°47	3°17	4°42	24°23	2°30	14°22	21°13	12°40	0°14	28°51	4°38	14°34	M17
T 18	0 12 29	1°10'18	7♑25	25°34	4°32	5°24	24°36	2°34	14°21	21°14	12°40	0°D14	28°47	4°44	14°40	T 18
W19	0 16 25	2° 9'34	20°42	27°21	5°47	6° 7	24°49	2°39	14°19	21°15	12°39	0°15	28°44	4°51	14°46	W19
T 20	0 20 22	3° 8'52	3♒42	29° 7	7° 2	6°50	25° 2	2°44	14°18	21°15	12°39	0°R15	28°41	4°58	14°52	T 20
F 21	0 24 18	4° 8'12	16°26	0♏53	8°17	7°33	25°15	2°48	14°17	21°16	12°39	0°14	28°38	5° 4	14°58	F 21
S 22	0 28 15	5° 7'34	28°57	2°38	9°32	8°16	25°28	2°53	14°15	21°17	12°39	0°10	28°35	5°11	15° 4	S 22
S 23	0 32 11	6° 6'57	11♓19	4°22	10°47	8°59	25°41	2°58	14°14	21°18	12°38	0° 4	28°31	5°18	15°10	S 23
M24	0 36 8	7° 6'23	23°32	6° 6	12° 2	9°43	25°53	3° 3	14°13	21°19	12°38	29♋55	28°28	5°25	15°16	M24
T 25	0 40 4	8° 5'51	5♈38	7°49	13°17	10°26	26° 6	3° 8	14°12	21°20	12°37	29°43	28°25	5°31	15°22	T 25
W26	0 44 1	9° 5'20	17°39	9°31	14°32	11°10	26°19	3°13	14°11	21°21	12°37	29°30	28°22	5°38	15°27	W26
T 27	0 47 57	10° 4'52	29°34	11°12	15°47	11°53	26°32	3°18	14°10	21°22	12°37	29°17	28°19	5°45	15°33	T 27
F 28	0 51 54	11° 4'26	11♉27	12°53	17° 2	12°37	26°45	3°23	14° 9	21°23	12°36	29° 4	28°16	5°51	15°39	F 28
S 29	0 55 51	12° 4'02	23°18	14°34	18°17	13°20	26°58	3°28	14° 8	21°24	12°36	28°53	28°12	5°58	15°44	S 29
S 30	0 59 47	13♎ 3'40	5♊10	16♎13	19♎32	14♐ 4	27♍10	3♐33	14♒ 7	21♐25	12♊35	28♋45	28♋ 9	6♉ 5	15♌49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 9	11n34	5s 0	13n34	1n 4	7n54	1n25	20s 9	1s27	4n39	1n 7	19s 1	1n34	17s10	0s44	22s 4	1n11	14n19	8s10	20n 0	20n18	7n41	11n27	5s50
S 2	5 46	14 59	4 39	13 15	1 14	7 24	1 25	20 20	1 28	4 34	1 7	19 2	1 34	17 11	0 44	22 4	1 11	14 19	8 10	20 0	20 19	7 43	11 25	5 50
M 3	5 23	17 48	4 5	12 53	1 22	6 55	1 24	20 30	1 28	4 29	1 7	19 3	1 33	17 11	0 44	22 4	1 11	14 19	8 10	20 1	20 20	7 45	11 23	5 50
T 4	5 0	19 54	3 20	12 28	1 30	6 26	1 24	20 40	1 28	4 24	1 7	19 4	1 33	17 12	0 44	22 4	1 11	14 19	8 10	20 1	20 20	7 48	11 21	5 50
W 5	4 37	21 6	2 25	12 1	1 36	5 56	1 24	20 50	1 29	4 18	1 7	19 5	1 33	17 12	0 44	22 4	1 11	14 19	8 10	20 1	20 21	7 50	11 19	5 51
T 6	4 14	21 15	1 21	11 30	1 41	5 26	1 23	21 0	1 29	4 13	1 8	19 6	1 33	17 13	0 44	22 4	1 11	14 19	8 10	20 1	20 22	7 52	11 16	5 51
F 7	3 51	20 17	0 12	10 57	1 45	4 56	1 23	21 10	1 29	4 8	1 8	19 6	1 33	17 13	0 44	22 4	1 11	14 18	8 11	20 0	20 22	7 55	11 14	5 51
S 8	3 27	18 7	1n 1	10 22	1 49	4 26	1 23	21 20	1 29	4 3	1 8	19 7	1 32	17 14	0 44	22 5	1 11	14 18	8 11	20 0	20 23	7 57	11 12	5 52
S 9	3 4	14 49	2 12	9 45	1 51	3 56	1 22	21 30	1 30	3 58	1 8	19 8	1 32	17 14	0 44	22 5	1 11	14 18	8 11	20 1	20 24	7 59	11 10	5 52
M10	2 41	10 33	3 17	9 6	1 52	3 25	1 21	21 39	1 30	3 53	1 8	19 9	1 32	17 15	0 44	22 5	1 11	14 18	8 11	20 2	20 24	8 2	11 8	5 52
T 11	2 17	5 33	4 10	8 26	1 53	2 55	1 21	21 48	1 30	3 47	1 8	19 10	1 32	17 15	0 44	22 5	1 10	14 18	8 11	20 4	20 25	8 4	11 6	5 53
W12	1 54	0 9	4 47	7 44	1 53	2 24	1 20	21 57	1 30	3 42	1 8	19 11	1 32	17 16	0 44	22 5	1 10	14 18	8 11	20 5	20 26	8 6	11 3	5 53
T 13	1 30	5s16	5 4	7 1	1 52	1 54	1 19	22 6	1 31	3 37	1 8	19 12	1 31	17 16	0 44	22 5	1 10	14 18	8 11	20 7	20 26	8 9	11 1	5 53
F 14	1 6	10 20	5 0	6 18	1 50	1 23	1 18	22 15	1 31	3 32	1 8	19 13	1 31	17 17	0 44	22 5	1 10	14 17	8 12	20 9	20 27	8 11	10 59	5 54
S 15	0 43	14 43	4 37	5 33	1 48	0 52	1 17	22 23	1 31	3 27	1 8	19 14	1 31	17 17	0 44	22 5	1 10	14 17	8 12	20 10	20 28	8 13	10 57	5 54
S 16	0 19	18 8	3 56	4 48	1 46	0 21	1 16	22 32	1 31	3 22	1 8	19 15	1 31	17 17	0 44	22 5	1 10	14 17	8 12	20 11	20 28	8 15	10 55	5 54
M17	0s 4	20 22	3 2	4 3	1 43	0s10	1 15	22 40	1 31	3 17	1 8	19 16	1 31	17 18	0 44	22 5	1 10	14 17	8 12	20 11	20 29	8 18	10 53	5 55
T 18	0 28	21 22	1 59	3 17	1 39	0 41	1 14	22 48	1 31	3 11	1 8	19 17	1 31	17 18	0 44	22 5	1 10	14 17	8 12	20 11	20 30	8 20	10 51	5 55
W19	0 52	21 6	0 51	2 31	1 35	1 12	1 13	22 56	1 32	3 6	1 8	19 18	1 30	17 19	0 44	22 5	1 10	14 17	8 12	20 11	20 30	8 22	10 48	5 55
T 20	1 15	19 43	0s18	1 44	1 31	1 42	1 12	23 3	1 32	3 1	1 8	19 19	1 30	17 19	0 44	22 6	1 10	14 17	8 12	20 11	20 31	8 25	10 46	5 56
F 21	1 39	17 20	1 25	0 58	1 26	2 13	1 10	23 11	1 32	2 56	1 8	19 21	1 30	17 19	0 44	22 6	1 10	14 16	8 12	20 12	20 32	8 27	10 44	5 56
S 22	2 3	14 11	2 26	0 11	1 21	2 44	1 9	23 18	1 32	2 51	1 8	19 22	1 30	17 20	0 44	22 6	1 10	14 16	8 13	20 12	20 32	8 29	10 42	5 57
S 23	2 26	10 26	3 20	0s35	1 16	3 15	1 7	23 25	1 32	2 46	1 8	19 23	1 30	17 20	0 44	22 6	1 10	14 16	8 13	20 14	20 33	8 32	10 40	5 57
M24	2 50	6 18	4 3	1 21	1 10	3 46	1 6	23 32	1 32	2 41	1 8	19 24	1 29	17 20	0 44	22 6	1 10	14 16	8 13	20 16	20 34	8 34	10 38	5 57
T 25	3 14	1 58	4 35	2 8	1 4	4 17	1 5	23 38	1 32	2 36	1 8	19 25	1 29	17 21	0 44	22 6	1 10	14 16	8 13	20 18	20 34	8 36	10 36	5 58
W26	3 37	2n25	4 55	2 53	0 59	4 47	1 3	23 44	1 32	2 31	1 8	19 26	1 29	17 21	0 44	22 6	1 10	14 16	8 13	20 21	20 35	8 39	10 34	5 58
T 27	4 1	6 41	5 1	3 39	0 52	5 18	1 1	23 50	1 32	2 26	1 8	19 27	1 29	17 21	0 44	22 6	1 10	14 15	8 13	20 24	20 36	8 41	10 32	5 59
F 28	4 24	10 40	4 54	4 24	0 46	5 48	1 0	23 56	1 33	2 21	1 8	19 28	1 29	17 21	0 44	22 6	1 10	14 15	8 13	20 26	20 36	8 43	10 30	5 59
S 29	4 47	14 15	4 35	5 9	0 40	6 18	0 58	24 2	1 33	2 15	1 8	19 30	1 29	17 22	0 44	22 7	1 10	14 15	8 13	20 28	20 37	8 45	10 28	6 0
S 30	5s11	17n16	4s 3	5s54	0n33	6s49	0n56	24s 7	1s33	2n10	1n 8	19s31	1n28	17s22	0s44	22s 7	1n10	14n15	8s14	20n30	20n37	8n48	10n26	6s 0

Julian Day Number = 2145721.5, Delta T = 14m46s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°03'56, Lahiri = 12°10'57 Julian Calendar 1 Sept. 1162 == Greg. Calendar 8 Sept. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

OCTOBER 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 3 44	14♎ 3'21	17♊ 6	17♎52	20♎47	14♐48	27♍23	3♐39	14°R 6	21♐26	12°R35	28°R39	28♋ 6	6♉12	15♌55	M 1
T 2	1 7 40	15° 3'04	29°11	19°31	22° 2	15°32	27°36	3°44	14♒ 5	21°27	12♊34	28♋36	28° 3	6°18	16° 0	T 2
W 3	1 11 37	16° 2'49	11♋30	21° 8	23°17	16°16	27°49	3°49	14° 5	21°28	12°33	28°D35	28° 0	6°25	16° 5	W 3
T 4	1 15 33	17° 2'36	24° 7	22°46	24°33	17° 0	28° 1	3°55	14° 4	21°29	12°33	28°R35	27°57	6°32	16°11	T 4
F 5	1 19 30	18° 2'26	7♌ 6	24°22	25°48	17°45	28°14	4° 0	14° 3	21°31	12°32	28°35	27°53	6°39	16°16	F 5
S 6	1 23 26	19° 2'18	20°33	25°58	27° 3	18°29	28°26	4° 6	14° 3	21°32	12°32	28°34	27°50	6°45	16°21	S 6
S 7	1 27 23	20° 2'13	4♍30	27°34	28°18	19°13	28°39	4°12	14° 2	21°33	12°31	28°30	27°47	6°52	16°26	S 7
M 8	1 31 20	21° 2'09	18°57	29° 9	29°33	19°58	28°52	4°17	14° 2	21°35	12°30	28°23	27°44	6°59	16°30	M 8
T 9	1 35 16	22° 2'08	3♎49	0♏43	0♏48	20°42	29° 4	4°23	14° 1	21°36	12°30	28°14	27°41	7° 5	16°35	T 9
W10	1 39 13	23° 2'08	19° 0	2°17	2° 3	21°27	29°16	4°29	14° 1	21°37	12°29	28° 3	27°37	7°12	16°40	W10
T 11	1 43 9	24° 2'11	4♏20	3°51	3°18	22°11	29°29	4°35	14° 0	21°39	12°28	27°51	27°34	7°19	16°44	T 11
F 12	1 47 6	25° 2'15	19°36	5°24	4°33	22°56	29°41	4°41	14° 0	21°40	12°28	27°41	27°31	7°26	16°49	F 12
S 13	1 51 2	26° 2'22	4♐37	6°56	5°49	23°41	29°54	4°47	14° 0	21°42	12°27	27°32	27°28	7°32	16°53	S 13
S 14	1 54 59	27° 2'30	19°16	8°28	7° 4	24°26	0♏ 6	4°53	13°59	21°43	12°26	27°26	27°25	7°39	16°58	S 14
M15	1 58 55	28° 2'39	3♑28	10° 0	8°19	25°11	0°18	4°59	13°59	21°44	12°25	27°22	27°22	7°46	17° 2	M15
T 16	2 2 52	29° 2'51	17°13	11°31	9°34	25°56	0°30	5° 5	13°59	21°46	12°24	27°21	27°18	7°52	17° 6	T 16
W17	2 6 49	0♏ 3'03	0♒31	13° 2	10°49	26°41	0°42	5°11	13°59	21°48	12°24	27°21	27°15	7°59	17°10	W17
T 18	2 10 45	1° 3'18	13°26	14°32	12° 4	27°26	0°55	5°17	13°D59	21°49	12°23	27°21	27°12	8° 6	17°14	T 18
F 19	2 14 42	2° 3'33	26° 2	16° 2	13°19	28°11	1° 7	5°24	13°59	21°51	12°22	27°19	27° 9	8°13	17°18	F 19
S 20	2 18 38	3° 3'51	8♓24	17°32	14°34	28°56	1°19	5°30	13°59	21°52	12°21	27°15	27° 6	8°19	17°22	S 20
S 21	2 22 35	4° 4'09	20°35	19° 1	15°50	29°42	1°31	5°36	13°59	21°54	12°20	27° 8	27° 3	8°26	17°26	S 21
M22	2 26 31	5° 4'30	2♈38	20°29	17° 5	0♑27	1°42	5°43	14° 0	21°56	12°19	26°58	26°59	8°33	17°29	M22
T 23	2 30 28	6° 4'52	14°36	21°58	18°20	1°12	1°54	5°49	14° 0	21°57	12°18	26°45	26°56	8°40	17°33	T 23
W24	2 34 24	7° 5'15	26°30	23°25	19°35	1°58	2° 6	5°56	14° 0	21°59	12°17	26°31	26°53	8°46	17°36	W24
T 25	2 38 21	8° 5'40	8♉23	24°52	20°50	2°43	2°18	6° 2	14° 1	22° 1	12°17	26°16	26°50	8°53	17°40	T 25
F 26	2 42 18	9° 6'07	20°16	26°19	22° 5	3°29	2°29	6° 9	14° 1	22° 3	12°16	26° 2	26°47	9° 0	17°43	F 26
S 27	2 46 14	10° 6'36	2♊ 9	27°45	23°20	4°15	2°41	6°15	14° 1	22° 4	12°15	25°50	26°43	9° 6	17°46	S 27
S 28	2 50 11	11° 7'06	14° 4	29°10	24°35	5° 0	2°53	6°22	14° 2	22° 6	12°14	25°41	26°40	9°13	17°49	S 28
M29	2 54 7	12° 7'38	26° 5	0♐34	25°50	5°46	3° 4	6°28	14° 2	22° 8	12°13	25°34	26°37	9°20	17°52	M29
T 30	2 58 4	13° 8'12	8♋13	1°58	27° 6	6°32	3°15	6°35	14° 3	22°10	12°12	25°30	26°34	9°27	17°55	T 30
W31	3 2 0	14♏ 8'47	20♋32	3♐21	28♏21	7♑18	3♎27	6♐42	14♒ 4	22♐12	12♊11	25°D29	26♋31	9♉33	17♌58	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s34	19n35	3s21	6s38	0n27	7s19	0n54	24s13	1s33	2n 5	1n 8	19s32	1n28	17s22	0s44	22s 7	1n10	14n15	8s14	20n31	20n38	8n50	10n24	6s 1
T 2	5 57	21 4	2 29	7 21	0 20	7 48	0 53	24 18	1 33	2 0	1 8	19 33	1 28	17 22	0 44	22 7	1 9	14 14	8 14	20 32	20 39	8 52	10 22	6 1
W 3	6 20	21 34	1 29	8 4	0 14	8 18	0 51	24 22	1 33	1 55	1 9	19 34	1 28	17 22	0 44	22 7	1 9	14 14	8 14	20 32	20 39	8 55	10 20	6 2
T 4	6 43	21 0	0 24	8 47	0 7	8 48	0 49	24 27	1 33	1 50	1 9	19 35	1 28	17 23	0 44	22 7	1 9	14 14	8 14	20 32	20 40	8 57	10 18	6 2
F 5	7 6	19 18	0n45	9 29	0 0	9 17	0 47	24 31	1 33	1 45	1 9	19 37	1 28	17 23	0 44	22 7	1 9	14 14	8 14	20 32	20 41	8 59	10 16	6 2
S 6	7 29	16 30	1 53	10 11	0s 7	9 46	0 45	24 35	1 33	1 40	1 9	19 38	1 27	17 23	0 43	22 7	1 9	14 14	8 14	20 33	20 41	9 2	10 14	6 3
S 7	7 52	12 39	2 58	10 52	0 13	10 15	0 43	24 39	1 33	1 35	1 9	19 39	1 27	17 23	0 43	22 7	1 9	14 14	8 14	20 33	20 42	9 4	10 12	6 3
M 8	8 15	7 57	3 53	11 32	0 20	10 44	0 41	24 42	1 33	1 31	1 9	19 40	1 27	17 23	0 43	22 8	1 9	14 13	8 14	20 35	20 43	9 6	10 10	6 4
T 9	8 37	2 39	4 34	12 12	0 27	11 12	0 39	24 45	1 33	1 26	1 9	19 41	1 27	17 23	0 43	22 8	1 9	14 13	8 14	20 36	20 43	9 8	10 8	6 5
W10	9 0	2s54	4 56	12 51	0 33	11 40	0 36	24 48	1 32	1 21	1 9	19 43	1 27	17 23	0 43	22 8	1 9	14 13	8 15	20 39	20 44	9 11	10 6	6 5
T 11	9 22	8 20	4 58	13 29	0 40	12 8	0 34	24 51	1 32	1 16	1 9	19 44	1 27	17 23	0 43	22 8	1 9	14 13	8 15	20 41	20 44	9 13	10 4	6 6
F 12	9 44	13 14	4 39	14 7	0 47	12 36	0 32	24 54	1 32	1 11	1 9	19 45	1 27	17 23	0 43	22 8	1 9	14 13	8 15	20 43	20 45	9 15	10 3	6 6
S 13	10 6	17 13	4 0	14 44	0 53	13 3	0 30	24 56	1 32	1 6	1 9	19 46	1 26	17 24	0 43	22 8	1 9	14 12	8 15	20 45	20 46	9 18	10 1	6 7
S 14	10 28	20 1	3 6	15 20	1 0	13 30	0 28	24 58	1 32	1 1	1 9	19 47	1 26	17 24	0 43	22 8	1 9	14 12	8 15	20 46	20 46	9 20	9 59	6 7
M15	10 50	21 28	2 3	15 55	1 6	13 56	0 25	24 59	1 32	0 57	1 10	19 49	1 26	17 24	0 43	22 8	1 9	14 12	8 15	20 47	20 47	9 22	9 57	6 8
T 16	11 11	21 33	0 53	16 30	1 12	14 23	0 23	25 1	1 32	0 52	1 10	19 50	1 26	17 24	0 43	22 9	1 9	14 12	8 15	20 47	20 48	9 25	9 55	6 8
W17	11 32	20 24	0s17	17 4	1 18	14 49	0 21	25 2	1 32	0 47	1 10	19 51	1 26	17 24	0 43	22 9	1 9	14 12	8 15	20 47	20 48	9 27	9 54	6 9
T 18	11 54	18 12	1 24	17 37	1 24	15 14	0 18	25 3	1 32	0 42	1 10	19 52	1 26	17 24	0 43	22 9	1 9	14 12	8 15	20 47	20 49	9 29	9 52	6 9
F 19	12 15	15 10	2 25	18 9	1 30	15 39	0 16	25 4	1 32	0 37	1 10	19 54	1 26	17 23	0 43	22 9	1 9	14 11	8 15	20 47	20 49	9 31	9 50	6 10
S 20	12 35	11 31	3 18	18 40	1 36	16 4	0 14	25 4	1 31	0 33	1 10	19 55	1 26	17 23	0 43	22 9	1 9	14 11	8 15	20 48	20 50	9 34	9 49	6 11
S 21	12 56	7 27	4 2	19 10	1 41	16 28	0 11	25 4	1 31	0 28	1 10	19 56	1 25	17 23	0 43	22 9	1 9	14 11	8 16	20 50	20 51	9 36	9 47	6 11
M22	13 16	3 8	4 34	19 40	1 46	16 52	0 9	25 4	1 31	0 23	1 10	19 57	1 25	17 23	0 43	22 9	1 9	14 11	8 16	20 52	20 51	9 38	9 45	6 12
T 23	13 36	1n16	4 53	20 8	1 52	17 16	0 6	25 3	1 31	0 19	1 10	19 59	1 25	17 23	0 43	22 10	1 9	14 11	8 16	20 54	20 52	9 41	9 44	6 12
W24	13 56	5 37	5 0	20 35	1 56	17 39	0 4	25 3	1 31	0 14	1 10	20 0	1 25	17 23	0 43	22 10	1 9	14 10	8 16	20 57	20 52	9 43	9 42	6 13
T 25	14 16	9 44	4 53	21 2	2 1	18 1	0 1	25 2	1 31	0 10	1 11	20 1	1 25	17 23	0 43	22 10	1 9	14 10	8 16	20 59	20 53	9 45	9 41	6 13
F 26	14 36	13 29	4 34	21 27	2 6	18 23	0s 1	25 0	1 30	0 5	1 11	20 2	1 25	17 23	0 43	22 10	1 9	14 10	8 16	21 2	20 54	9 47	9 39	6 14
S 27	14 55	16 43	4 3	21 51	2 10	18 45	0 4	24 59	1 30	0 1	1 11	20 3	1 25	17 23	0 43	22 10	1 8	14 10	8 16	21 4	20 54	9 50	9 37	6 15
S 28	15 14	19 16	3 21	22 14	2 14	19 6	0 6	24 57	1 30	0s 4	1 11	20 5	1 25	17 22	0 43	22 10	1 8	14 10	8 16	21 6	20 55	9 52	9 36	6 15
M29	15 33	21 0	2 29	22 36	2 17	19 27	0 9	24 55	1 30	0 8	1 11	20 6	1 24	17 22	0 43	22 10	1 8	14 10	8 16	21 7	20 56	9 54	9 35	6 16
T 30	15 51	21 47	1 30	22 56	2 20	19 47	0 11	24 52	1 29	0 13	1 11	20 7	1 24	17 22	0 43	22 11	1 8	14 9	8 16	21 8	20 56	9 57	9 33	6 16
W31	16s 9	21n32	0s26	23s16	2s23	20s 6	0s14	24s50	1s29	0s17	1n11	20s 8	1n24	17s22	0s43	22s11	1n 8	14n 9	8s16	21n 8	20n57	9n59	9n32	6s17

Julian Day Number = 2145751.5, Delta T = 14m46s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'01, Lahiri = 12°11'01 Julian Calendar 1 Oct. 1162 == Greg. Calendar 8 Oct. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

NOVEMBER 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 5 57	15♏ 9'25	3♌ 7	4♐43	29♏36	8♑ 3	3♎38	6♐48	14♒ 4	22♐14	12°R10	25♋29	26♋28	9♉40	18♌ 1	T 1
F 2	3 9 53	16°10'04	16° 1	6° 3	0♐51	8°49	3°49	6°55	14° 5	22°16	12♊ 9	25°R29	26°24	9°47	18° 3	F 2
S 3	3 13 50	17°10'45	29°20	7°23	2° 6	9°35	4° 0	7° 2	14° 6	22°17	12° 8	25°29	26°21	9°53	18° 6	S 3
S 4	3 17 47	18°11'27	13♍ 6	8°41	3°21	10°21	4°11	7° 9	14° 7	22°19	12° 7	25°26	26°18	10° 0	18° 8	S 4
M 5	3 21 43	19°12'11	27°21	9°57	4°36	11° 7	4°22	7°15	14° 8	22°21	12° 5	25°21	26°15	10° 7	18°10	M 5
T 6	3 25 40	20°12'57	12♎ 3	11°11	5°51	11°53	4°33	7°22	14° 9	22°23	12° 4	25°14	26°12	10°14	18°12	T 6
W 7	3 29 36	21°13'44	27° 6	12°23	7° 6	12°40	4°44	7°29	14°10	22°25	12° 3	25° 5	26° 8	10°20	18°14	W 7
T 8	3 33 33	22°14'33	12♏23	13°33	8°21	13°26	4°55	7°36	14°11	22°27	12° 2	24°55	26° 5	10°27	18°16	T 8
F 9	3 37 29	23°15'24	27°42	14°40	9°37	14°12	5° 5	7°43	14°12	22°29	12° 1	24°45	26° 2	10°34	18°18	F 9
S 10	3 41 26	24°16'15	12♐51	15°44	10°52	14°58	5°16	7°50	14°13	22°31	12° 0	24°37	25°59	10°40	18°20	S 10
S 11	3 45 22	25°17'08	27°42	16°44	12° 7	15°44	5°26	7°57	14°14	22°34	11°59	24°32	25°56	10°47	18°22	S 11
M12	3 49 19	26°18'01	12♑ 6	17°39	13°22	16°31	5°37	8° 4	14°16	22°36	11°58	24°29	25°53	10°54	18°23	M12
T 13	3 53 16	27°18'56	26° 2	18°30	14°37	17°17	5°47	8°11	14°17	22°38	11°57	24°D28	25°49	11° 1	18°25	T 13
W14	3 57 12	28°19'52	9♒28	19°16	15°52	18° 4	5°57	8°18	14°18	22°40	11°56	24°29	25°46	11° 7	18°26	W14
T 15	4 1 9	29°20'48	22°29	19°55	17° 7	18°50	6° 7	8°25	14°20	22°42	11°54	24°30	25°43	11°14	18°27	T 15
F 16	4 5 5	0♐21'45	5♓ 7	20°27	18°22	19°36	6°17	8°32	14°21	22°44	11°53	24°R30	25°40	11°21	18°28	F 16
S 17	4 9 2	1°22'42	17°27	20°52	19°37	20°23	6°27	8°39	14°23	22°46	11°52	24°28	25°37	11°28	18°29	S 17
S 18	4 12 58	2°23'41	29°34	21° 8	20°52	21° 9	6°37	8°46	14°24	22°48	11°51	24°25	25°34	11°34	18°30	S 18
M19	4 16 55	3°24'40	11♈33	21°R14	22° 7	21°56	6°47	8°53	14°26	22°50	11°50	24°18	25°30	11°41	18°31	M19
T 20	4 20 51	4°25'40	23°27	21°10	23°22	22°42	6°56	9° 0	14°27	22°53	11°49	24°10	25°27	11°48	18°31	T 20
W21	4 24 48	5°26'40	5♉18	20°55	24°37	23°29	7° 6	9° 7	14°29	22°55	11°47	24° 1	25°24	11°54	18°32	W21
T 22	4 28 45	6°27'41	17°11	20°29	25°52	24°15	7°15	9°14	14°31	22°57	11°46	23°51	25°21	12° 1	18°32	T 22
F 23	4 32 41	7°28'43	29° 5	19°51	27° 7	25° 2	7°24	9°21	14°33	22°59	11°45	23°42	25°18	12° 8	18°33	F 23
S 24	4 36 38	8°29'46	11♊ 4	19° 2	28°22	25°49	7°34	9°28	14°34	23° 1	11°44	23°34	25°14	12°15	18°33	S 24
S 25	4 40 34	9°30'50	23° 8	18° 3	29°37	26°35	7°43	9°35	14°36	23° 4	11°43	23°27	25°11	12°21	18°R33	S 25
M26	4 44 31	10°31'54	5♋18	16°54	0♑52	27°22	7°52	9°42	14°38	23° 6	11°42	23°23	25° 8	12°28	18°33	M26
T 27	4 48 27	11°33'00	17°37	15°39	2° 7	28° 9	8° 0	9°49	14°40	23° 8	11°40	23°D22	25° 5	12°35	18°33	T 27
W28	4 52 24	12°34'06	0♌ 7	14°18	3°22	28°55	8° 9	9°56	14°42	23°10	11°39	23°22	25° 2	12°41	18°32	W28
T 29	4 56 20	13°35'12	12°49	12°55	4°37	29°42	8°18	10° 3	14°44	23°13	11°38	23°23	24°59	12°48	18°32	T 29
F 30	5 0 17	14♐36'20	25♌48	11♐33	5♑52	0♒29	8♎26	10♐10	14♒46	23♐15	11♊37	23♋24	24♋55	12♉55	18♌32	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s27	20n12	0n40	23s34	2s26	20s25	0s16	24s47	1s29	0s21	1n11	20s10	1n24	17s22	0s43	22s11	1n 8	14n 9	8s16	21n 8	20n57	10n 1	9n30	6s18
F 2	16 45	17 48	1 47	23 50	2 28	20 43	0 18	24 44	1 29	0 26	1 12	20 11	1 24	17 21	0 43	22 11	1 8	14 9	8 16	21 8	20 58	10 3	9 29	6 18
S 3	17 2	14 24	2 50	24 5	2 29	21 1	0 21	24 40	1 28	0 30	1 12	20 12	1 24	17 21	0 43	22 11	1 8	14 9	8 16	21 8	20 59	10 6	9 28	6 19
S 4	17 19	10 7	3 45	24 19	2 30	21 18	0 23	24 36	1 28	0 34	1 12	20 13	1 24	17 21	0 43	22 11	1 8	14 9	8 16	21 9	20 59	10 8	9 26	6 20
M 5	17 36	5 9	4 28	24 32	2 31	21 35	0 26	24 32	1 28	0 39	1 12	20 15	1 24	17 20	0 42	22 11	1 8	14 8	8 16	21 10	21 0	10 10	9 25	6 20
T 6	17 53	0s15	4 55	24 42	2 31	21 51	0 28	24 28	1 27	0 43	1 12	20 16	1 24	17 20	0 42	22 12	1 8	14 8	8 16	21 11	21 0	10 13	9 24	6 21
W 7	18 9	5 47	5 3	24 52	2 30	22 6	0 31	24 23	1 27	0 47	1 12	20 17	1 24	17 20	0 42	22 12	1 8	14 8	8 16	21 13	21 1	10 15	9 23	6 21
T 8	18 25	11 2	4 49	24 59	2 29	22 21	0 33	24 18	1 27	0 51	1 12	20 18	1 23	17 19	0 42	22 12	1 8	14 8	8 16	21 15	21 2	10 17	9 21	6 22
F 9	18 40	15 36	4 15	25 5	2 27	22 35	0 36	24 13	1 27	0 55	1 13	20 19	1 23	17 19	0 42	22 12	1 8	14 8	8 16	21 16	21 2	10 19	9 20	6 23
S 10	18 55	19 5	3 23	25 10	2 24	22 48	0 38	24 8	1 26	0 59	1 13	20 21	1 23	17 19	0 42	22 12	1 8	14 8	8 16	21 18	21 3	10 22	9 19	6 23
S 11	19 10	21 14	2 18	25 12	2 20	23 1	0 40	24 2	1 26	1 3	1 13	20 22	1 23	17 18	0 42	22 12	1 8	14 8	8 16	21 19	21 3	10 24	9 18	6 24
M12	19 25	21 54	1 6	25 13	2 15	23 13	0 43	23 56	1 26	1 7	1 13	20 23	1 23	17 18	0 42	22 12	1 8	14 7	8 16	21 19	21 4	10 26	9 17	6 25
T 13	19 39	21 10	0s 8	25 12	2 10	23 24	0 45	23 50	1 25	1 11	1 13	20 24	1 23	17 18	0 42	22 13	1 8	14 7	8 16	21 19	21 5	10 28	9 16	6 25
W14	19 53	19 14	1 20	25 9	2 3	23 35	0 47	23 43	1 25	1 15	1 13	20 25	1 23	17 17	0 42	22 13	1 8	14 7	8 16	21 19	21 5	10 31	9 15	6 26
T 15	20 6	16 21	2 24	25 4	1 55	23 44	0 49	23 37	1 24	1 19	1 14	20 27	1 23	17 17	0 42	22 13	1 8	14 7	8 16	21 19	21 6	10 33	9 14	6 27
F 16	20 19	12 47	3 20	24 57	1 46	23 54	0 52	23 30	1 24	1 23	1 14	20 28	1 23	17 16	0 42	22 13	1 8	14 7	8 16	21 19	21 6	10 35	9 13	6 27
S 17	20 32	8 44	4 5	24 49	1 35	24 2	0 54	23 22	1 24	1 27	1 14	20 29	1 23	17 16	0 42	22 13	1 8	14 7	8 16	21 19	21 7	10 38	9 12	6 28
S 18	20 44	4 25	4 38	24 38	1 23	24 10	0 56	23 15	1 23	1 30	1 14	20 30	1 23	17 15	0 42	22 13	1 8	14 7	8 16	21 20	21 7	10 40	9 11	6 29
M19	20 56	0n 0	4 59	24 25	1 10	24 17	0 58	23 7	1 23	1 34	1 14	20 31	1 23	17 15	0 42	22 13	1 8	14 6	8 16	21 21	21 8	10 42	9 10	6 29
T 20	21 7	4 24	5 6	24 10	0 55	24 23	1 0	22 59	1 23	1 38	1 14	20 32	1 23	17 14	0 42	22 14	1 8	14 6	8 16	21 22	21 9	10 44	9 10	6 30
W21	21 18	8 37	5 1	23 53	0 39	24 29	1 2	22 51	1 22	1 41	1 15	20 33	1 22	17 14	0 42	22 14	1 8	14 6	8 16	21 24	21 9	10 47	9 9	6 30
T 22	21 29	12 32	4 42	23 33	0 21	24 33	1 4	22 42	1 22	1 45	1 15	20 35	1 22	17 13	0 42	22 14	1 8	14 6	8 16	21 26	21 10	10 49	9 8	6 31
F 23	21 39	15 58	4 11	23 12	0 3	24 37	1 6	22 33	1 21	1 48	1 15	20 36	1 22	17 13	0 42	22 14	1 8	14 6	8 16	21 27	21 10	10 51	9 7	6 32
S 24	21 49	18 46	3 28	22 49	0n17	24 41	1 8	22 24	1 21	1 52	1 15	20 37	1 22	17 12	0 42	22 14	1 8	14 6	8 16	21 29	21 11	10 53	9 7	6 32
S 25	21 59	20 46	2 36	22 24	0 37	24 43	1 10	22 15	1 20	1 55	1 15	20 38	1 22	17 12	0 42	22 14	1 8	14 6	8 16	21 30	21 12	10 56	9 6	6 33
M26	22 8	21 50	1 36	21 57	0 57	24 45	1 12	22 5	1 20	1 58	1 16	20 39	1 22	17 11	0 42	22 14	1 8	14 6	8 16	21 31	21 12	10 58	9 5	6 34
T 27	22 16	21 52	0 31	21 29	1 17	24 46	1 14	21 55	1 20	2 2	1 16	20 40	1 22	17 10	0 42	22 14	1 8	14 5	8 16	21 31	21 13	11 0	9 5	6 34
W28	22 24	20 49	0n37	21 1	1 36	24 46	1 16	21 45	1 19	2 5	1 16	20 41	1 22	17 10	0 42	22 15	1 8	14 5	8 16	21 31	21 13	11 2	9 4	6 35
T 29	22 32	18 42	1 44	20 33	1 54	24 45	1 17	21 35	1 19	2 8	1 16	20 42	1 22	17 9	0 42	22 15	1 8	14 5	8 16	21 31	21 14	11 5	9 4	6 35
F 30	22s39	15n36	2n47	20s 7	2n11	24s44	1s19	21s25	1s18	2s11	1n16	20s43	1n22	17s 8	0s42	22s15	1n 8	14n 5	8s16	21n30	21n14	11n 7	9n 3	6s36

Julian Day Number = 2145782.5, Delta T = 14m46s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'05, Lahiri = 12°11'05 Julian Calendar 1 Nov. 1162 == Greg. Calendar 8 Nov. 1162

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ASTRODIENST EPHEMERIS for the year 1162
geocentric

DECEMBER 1162 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 4 14	15♐37'28	9♍ 5	10°R14	7♑ 7	1♒15	8♎34	10♐17	14♒48	23♐17	11°R36	23♋26	24♋52	13♉ 2	18°R31	S 1
S 2	5 8 10	16°38'37	22°43	9♐ 1	8°22	2° 2	8°43	10°25	14°50	23°19	11♊35	23°R26	24°49	13° 8	18♌30	S 2
M 3	5 12 7	17°39'47	6♎45	7°56	9°37	2°49	8°51	10°32	14°53	23°22	11°33	23°24	24°46	13°15	18°30	M 3
T 4	5 16 3	18°40'58	21° 8	7° 0	10°51	3°36	8°59	10°39	14°55	23°24	11°32	23°21	24°43	13°22	18°29	T 4
W 5	5 20 0	19°42'09	5♏50	6°14	12° 6	4°22	9° 7	10°46	14°57	23°26	11°31	23°17	24°40	13°28	18°28	W 5
T 6	5 23 56	20°43'21	20°46	5°39	13°21	5° 9	9°14	10°53	15° 0	23°28	11°30	23°12	24°36	13°35	18°27	T 6
F 7	5 27 53	21°44'33	5♐48	5°14	14°36	5°56	9°22	11° 0	15° 2	23°31	11°29	23° 7	24°33	13°42	18°25	F 7
S 8	5 31 49	22°45'46	20°46	5° 1	15°51	6°43	9°29	11° 7	15° 4	23°33	11°28	23° 3	24°30	13°49	18°24	S 8
S 9	5 35 46	23°46'59	5♑32	4°D57	17° 6	7°30	9°37	11°14	15° 7	23°35	11°26	23° 0	24°27	13°55	18°23	S 9
M10	5 39 43	24°48'12	19°58	5° 2	18°21	8°17	9°44	11°20	15° 9	23°38	11°25	22°D59	24°24	14° 2	18°21	M10
T 11	5 43 39	25°49'26	3♒59	5°16	19°35	9° 3	9°51	11°27	15°12	23°40	11°24	22°59	24°20	14° 9	18°19	T 11
W12	5 47 36	26°50'39	17°34	5°38	20°50	9°50	9°58	11°34	15°14	23°42	11°23	23° 1	24°17	14°15	18°18	W12
T 13	5 51 32	27°51'51	0♓42	6° 7	22° 5	10°37	10° 4	11°41	15°17	23°44	11°22	23° 2	24°14	14°22	18°16	T 13
F 14	5 55 29	28°53'04	13°27	6°42	23°20	11°24	10°11	11°48	15°19	23°47	11°21	23° 4	24°11	14°29	18°14	F 14
S 15	5 59 25	29°54'16	25°52	7°24	24°34	12°11	10°17	11°55	15°22	23°49	11°20	23°R 5	24° 8	14°36	18°12	S 15
S 16	6 3 22	0♑55'28	8♈ 2	8°10	25°49	12°57	10°24	12° 2	15°25	23°51	11°19	23° 5	24° 5	14°42	18°10	S 16
M17	6 7 19	1°56'39	20° 1	9° 1	27° 4	13°44	10°30	12° 9	15°27	23°53	11°17	23° 3	24° 1	14°49	18° 7	M17
T 18	6 11 15	2°57'50	1♉54	9°56	28°18	14°31	10°36	12°15	15°30	23°56	11°16	23° 1	23°58	14°56	18° 5	T 18
W19	6 15 12	3°59'01	13°45	10°54	29°33	15°18	10°42	12°22	15°33	23°58	11°15	22°58	23°55	15° 2	18° 3	W19
T 20	6 19 8	5° 0'12	25°38	11°56	0♒48	16° 5	10°47	12°29	15°36	24° 0	11°14	22°55	23°52	15° 9	18° 0	T 20
F 21	6 23 5	6° 1'22	7♊36	13° 1	2° 2	16°51	10°53	12°35	15°39	24° 2	11°13	22°52	23°49	15°16	17°58	F 21
S 22	6 27 1	7° 2'31	19°41	14° 8	3°17	17°38	10°58	12°42	15°42	24° 5	11°12	22°50	23°46	15°23	17°55	S 22
S 23	6 30 58	8° 3'40	1♋56	15°18	4°31	18°25	11° 3	12°49	15°44	24° 7	11°11	22°48	23°42	15°29	17°52	S 23
M24	6 34 54	9° 4'49	14°21	16°29	5°46	19°12	11° 8	12°55	15°47	24° 9	11°10	22°47	23°39	15°36	17°49	M24
T 25	6 38 51	10° 5'58	26°57	17°43	7° 0	19°58	11°13	13° 2	15°50	24°11	11° 9	22°D47	23°36	15°43	17°46	T 25
W26	6 42 48	11° 7'06	9♌46	18°58	8°15	20°45	11°18	13° 8	15°53	24°13	11° 8	22°48	23°33	15°49	17°43	W26
T 27	6 46 44	12° 8'14	22°48	20°15	9°29	21°32	11°23	13°15	15°56	24°16	11° 7	22°49	23°30	15°56	17°40	T 27
F 28	6 50 41	13° 9'21	6♍ 3	21°33	10°44	22°19	11°27	13°21	15°59	24°18	11° 6	22°50	23°26	16° 3	17°37	F 28
S 29	6 54 37	14°10'28	19°31	22°52	11°58	23° 5	11°31	13°28	16° 2	24°20	11° 5	22°50	23°23	16°10	17°34	S 29
S 30	6 58 34	15°11'35	3♎14	24°13	13°12	23°52	11°35	13°34	16° 5	24°22	11° 4	22°51	23°20	16°16	17°30	S 30
M31	7 2 30	16♑12'41	17♎11	25♐35	14♒26	24♒39	11♎39	13♐41	16♒ 9	24♐24	11♊ 3	22°R51	23♋17	16♉23	17♌27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s46	11n39	3n43	19s42	2n25	24s42	1s21	21s14	1s18	2s15	1n17	20s44	1n22	17s 8	0s42	22s15	1n 8	14n 5	8s16	21n30	21n15	11n 9	9n 3	6s37
S 2	22 52	7 0	4 28	19 19	2 37	24 39	1 22	21 3	1 17	2 18	1 17	20 46	1 22	17 7	0 42	22 15	1 8	14 5	8 16	21 30	21 16	11 11	9 3	6 37
M 3	22 58	1 53	4 59	18 59	2 46	24 35	1 24	20 52	1 17	2 21	1 17	20 47	1 22	17 6	0 42	22 15	1 8	14 5	8 16	21 30	21 16	11 14	9 2	6 38
T 4	23 4	3s28	5 11	18 43	2 54	24 31	1 25	20 40	1 16	2 24	1 17	20 48	1 22	17 6	0 42	22 15	1 8	14 5	8 16	21 31	21 17	11 16	9 2	6 38
W 5	23 9	8 44	5 4	18 31	2 59	24 26	1 27	20 29	1 16	2 26	1 17	20 49	1 22	17 5	0 42	22 15	1 8	14 5	8 16	21 32	21 17	11 18	9 2	6 39
T 6	23 13	13 35	4 37	18 22	3 1	24 20	1 28	20 17	1 15	2 29	1 18	20 50	1 22	17 4	0 42	22 16	1 8	14 5	8 16	21 33	21 18	11 20	9 2	6 40
F 7	23 17	17 36	3 50	18 17	3 2	24 13	1 29	20 5	1 15	2 32	1 18	20 51	1 22	17 4	0 42	22 16	1 8	14 5	8 15	21 33	21 18	11 23	9 1	6 40
S 8	23 21	20 27	2 47	18 15	3 1	24 6	1 31	19 52	1 14	2 35	1 18	20 52	1 22	17 3	0 42	22 16	1 8	14 4	8 15	21 34	21 19	11 25	9 1	6 41
S 9	23 24	21 52	1 34	18 17	2 59	23 58	1 32	19 40	1 14	2 38	1 18	20 53	1 22	17 2	0 41	22 16	1 8	14 4	8 15	21 35	21 20	11 27	9 1	6 41
M10	23 27	21 47	0 17	18 21	2 55	23 49	1 33	19 27	1 13	2 40	1 19	20 54	1 22	17 1	0 41	22 16	1 8	14 4	8 15	21 35	21 20	11 29	9 1	6 42
T 11	23 29	20 19	1s 0	18 29	2 51	23 39	1 34	19 14	1 13	2 43	1 19	20 55	1 22	17 1	0 41	22 16	1 8	14 4	8 15	21 35	21 21	11 32	9 1	6 43
W12	23 31	17 43	2 11	18 38	2 45	23 29	1 35	19 1	1 12	2 45	1 19	20 56	1 22	17 0	0 41	22 16	1 8	14 4	8 15	21 34	21 21	11 34	9 1	6 43
T 13	23 32	14 16	3 13	18 49	2 39	23 18	1 36	18 48	1 12	2 48	1 19	20 57	1 22	16 59	0 41	22 16	1 8	14 4	8 15	21 34	21 22	11 36	9 1	6 44
F 14	23 33	10 16	4 3	19 2	2 32	23 6	1 37	18 34	1 11	2 50	1 19	20 57	1 21	16 58	0 41	22 17	1 8	14 4	8 15	21 34	21 22	11 38	9 1	6 44
S 15	23 33	5 56	4 40	19 16	2 24	22 54	1 37	18 21	1 10	2 52	1 20	20 58	1 21	16 57	0 41	22 17	1 8	14 4	8 15	21 34	21 23	11 41	9 1	6 45
S 16	23 33	1 27	5 4	19 31	2 16	22 41	1 38	18 7	1 10	2 55	1 20	20 59	1 21	16 57	0 41	22 17	1 8	14 4	8 15	21 34	21 23	11 43	9 1	6 45
M17	23 32	3n 0	5 14	19 47	2 8	22 27	1 39	17 53	1 9	2 57	1 20	21 0	1 21	16 56	0 41	22 17	1 7	14 4	8 15	21 34	21 24	11 45	9 2	6 46
T 18	23 31	7 19	5 11	20 4	2 0	22 13	1 39	17 39	1 9	2 59	1 20	21 1	1 21	16 55	0 41	22 17	1 7	14 4	8 14	21 34	21 25	11 47	9 2	6 46
W19	23 29	11 21	4 55	20 21	1 51	21 58	1 40	17 24	1 8	3 1	1 21	21 2	1 21	16 54	0 41	22 17	1 7	14 4	8 14	21 35	21 25	11 50	9 2	6 47
T 20	23 27	14 57	4 25	20 38	1 42	21 42	1 40	17 10	1 8	3 3	1 21	21 3	1 21	16 53	0 41	22 17	1 7	14 4	8 14	21 35	21 26	11 52	9 2	6 47
F 21	23 25	17 59	3 44	20 55	1 34	21 26	1 41	16 55	1 7	3 5	1 21	21 4	1 21	16 52	0 41	22 17	1 7	14 4	8 14	21 36	21 26	11 54	9 3	6 48
S 22	23 22	20 16	2 53	21 12	1 25	21 9	1 41	16 40	1 6	3 7	1 21	21 5	1 21	16 52	0 41	22 17	1 7	14 4	8 14	21 36	21 27	11 56	9 3	6 48
S 23	23 18	21 39	1 53	21 28	1 16	20 51	1 41	16 25	1 6	3 9	1 22	21 5	1 21	16 51	0 41	22 17	1 7	14 4	8 14	21 37	21 27	11 59	9 3	6 49
M24	23 14	22 0	0 47	21 45	1 7	20 33	1 41	16 10	1 5	3 10	1 22	21 6	1 21	16 50	0 41	22 18	1 7	14 4	8 14	21 37	21 28	12 1	9 4	6 49
T 25	23 10	21 14	0n23	22 0	0 58	20 14	1 41	15 55	1 5	3 12	1 22	21 7	1 21	16 49	0 41	22 18	1 7	14 4	8 14	21 37	21 28	12 3	9 4	6 49
W26	23 5	19 22	1 33	22 16	0 50	19 55	1 41	15 39	1 4	3 14	1 22	21 8	1 21	16 48	0 41	22 18	1 7	14 4	8 13	21 37	21 29	12 5	9 5	6 50
T 27	22 59	16 29	2 39	22 30	0 41	19 35	1 41	15 23	1 3	3 15	1 23	21 9	1 21	16 47	0 41	22 18	1 7	14 4	8 13	21 36	21 30	12 7	9 5	6 50
F 28	22 54	12 42	3 37	22 44	0 33	19 14	1 41	15 8	1 3	3 17	1 23	21 10	1 21	16 46	0 41	22 18	1 7	14 4	8 13	21 36	21 30	12 10	9 6	6 51
S 29	22 47	8 14	4 25	22 57	0 24	18 54	1 41	14 52	1 2	3 18	1 23	21 10	1 21	16 45	0 41	22 18	1 8	14 4	8 13	21 36	21 31	12 12	9 6	6 51
S 30	22 41	3 16	4 59	23 9	0 16	18 32	1 40	14 36	1 2	3 19	1 23	21 11	1 21	16 44	0 41	22 18	1 8	14 4	8 13	21 36	21 31	12 14	9 7	6 52
M31	22s33	1s55	5n16	23s20	0n 8	18s10	1s40	14s19	1s 1	3s21	1n24	21s12	1n21	16s43	0s41	22s18	1n 8	14n 4	8s13	21n36	21n32	12n16	9n 8	6s52

Julian Day Number = 2145812.5, Delta T = 14m46s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'09, Lahiri = 12°11'09 Julian Calendar 1 Dec. 1162 == Greg. Calendar 8 Dec. 1162

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

JANUARY 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 6 27	17♉13'47	1♏21	26♐58	15♒41	25♒25	11♎43	13♐47	16♒12	24♐26	11°R 2	22°R51	23♋14	16♉30	17°R23	T 1
W 2	7 10 23	18°14'53	15°42	28°22	16°55	26°12	11°46	13°53	16°15	24°29	11♊ 1	22♋50	23°11	16°36	17♌20	W 2
T 3	7 14 20	19°15'58	0♑11	29°46	18° 9	26°59	11°50	13°59	16°18	24°31	11° 0	22°50	23° 7	16°43	17°16	T 3
F 4	7 18 17	20°17'03	14°44	1♉12	19°23	27°45	11°53	14° 6	16°21	24°33	11° 0	22°50	23° 4	16°50	17°12	F 4
S 5	7 22 13	21°18'07	29°16	2°38	20°38	28°32	11°56	14°12	16°24	24°35	10°59	22°50	23° 1	16°57	17° 8	S 5
S 6	7 26 10	22°19'10	13♉40	4° 5	21°52	29°18	11°58	14°18	16°28	24°37	10°58	22°49	22°58	17° 3	17° 5	S 6
M 7	7 30 6	23°20'13	27°50	5°33	23° 6	0♓ 5	12° 1	14°24	16°31	24°39	10°57	22°49	22°55	17°10	17° 1	M 7
T 8	7 34 3	24°21'15	11♒44	7° 2	24°20	0°51	12° 4	14°30	16°34	24°41	10°56	22°49	22°52	17°17	16°57	T 8
W 9	7 37 59	25°22'15	25°16	8°32	25°34	1°38	12° 6	14°36	16°37	24°43	10°55	22°49	22°48	17°23	16°53	W 9
T 10	7 41 56	26°23'15	8♓26	10° 2	26°48	2°24	12° 8	14°42	16°41	24°45	10°55	22°49	22°45	17°30	16°49	T 10
F 11	7 45 52	27°24'13	21°15	11°33	28° 2	3°11	12°10	14°47	16°44	24°47	10°54	22°48	22°42	17°37	16°44	F 11
S 12	7 49 49	28°25'10	3♈45	13° 4	29°15	3°57	12°11	14°53	16°47	24°49	10°53	22°48	22°39	17°44	16°40	S 12
S 13	7 53 46	29°26'05	15°58	14°37	0♓29	4°44	12°13	14°59	16°51	24°51	10°52	22°47	22°36	17°50	16°36	S 13
M14	7 57 42	0♒26'59	28° 0	16°10	1°43	5°30	12°14	15° 5	16°54	24°53	10°52	22°D47	22°32	17°57	16°32	M14
T 15	8 1 39	1°27'52	9♉54	17°44	2°57	6°17	12°15	15°10	16°57	24°55	10°51	22°47	22°29	18° 4	16°27	T 15
W16	8 5 35	2°28'44	21°45	19°18	4°10	7° 3	12°16	15°16	17° 1	24°57	10°50	22°48	22°26	18°10	16°23	W16
T 17	8 9 32	3°29'33	3♊39	20°53	5°24	7°49	12°17	15°21	17° 4	24°59	10°49	22°49	22°23	18°17	16°19	T 17
F 18	8 13 28	4°30'22	15°39	22°29	6°37	8°35	12°18	15°27	17° 8	25° 1	10°49	22°50	22°20	18°24	16°14	F 18
S 19	8 17 25	5°31'09	27°49	24° 6	7°51	9°22	12°18	15°32	17°11	25° 2	10°48	22°51	22°17	18°31	16°10	S 19
S 20	8 21 21	6°31'55	10♋12	25°44	9° 4	10° 8	12°R18	15°37	17°14	25° 4	10°48	22°52	22°13	18°37	16° 5	S 20
M21	8 25 18	7°32'39	22°51	27°22	10°18	10°54	12°18	15°43	17°18	25° 6	10°47	22°R52	22°10	18°44	16° 1	M21
T 22	8 29 15	8°33'21	5♌47	29° 1	11°31	11°40	12°18	15°48	17°21	25° 8	10°46	22°52	22° 7	18°51	15°56	T 22
W23	8 33 11	9°34'03	18°59	0♒41	12°44	12°26	12°17	15°53	17°25	25°10	10°46	22°51	22° 4	18°57	15°52	W23
T 24	8 37 8	10°34'42	2♍27	2°22	13°57	13°12	12°17	15°58	17°28	25°11	10°45	22°48	22° 1	19° 4	15°47	T 24
F 25	8 41 4	11°35'21	16° 8	4° 3	15°11	13°58	12°16	16° 3	17°32	25°13	10°45	22°46	21°58	19°11	15°42	F 25
S 26	8 45 1	12°35'58	0♎ 1	5°46	16°24	14°44	12°15	16° 8	17°35	25°15	10°44	22°43	21°54	19°17	15°38	S 26
S 27	8 48 57	13°36'34	14° 2	7°29	17°37	15°30	12°14	16°13	17°38	25°16	10°44	22°40	21°51	19°24	15°33	S 27
M28	8 52 54	14°37'08	28° 9	9°13	18°50	16°16	12°13	16°17	17°42	25°18	10°43	22°39	21°48	19°31	15°29	M28
T 29	8 56 50	15°37'41	12♏18	10°58	20° 2	17° 2	12°11	16°22	17°45	25°20	10°43	22°D38	21°45	19°38	15°24	T 29
W30	9 0 47	16°38'14	26°29	12°44	21°15	17°48	12° 9	16°27	17°49	25°21	10°43	22°38	21°42	19°44	15°19	W30
T 31	9 4 44	17♒38'45	10♐39	14♒31	22♓28	18♓34	12♎ 8	16♐31	17♒52	25♐23	10♊42	22♋39	21♋38	19♉51	15♌15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s26	7s 5	5n14	23s31	0s 0	17s47	1s40	14s 3	1s 0	3s22	1n24	21s13	1n21	16s42	0s41	22s18	1n 8	14n 4	8s12	21n36	21n32	12n19	9n 8	6s52
W 2	22 18	11 57	4 52	23 40	0 8	17 24	1 39	13 47	1 0	3 23	1 24	21 13	1 21	16 41	0 41	22 18	1 8	14 4	8 12	21 36	21 33	12 21	9 9	6 53
T 3	22 9	16 10	4 12	23 48	0 15	17 1	1 38	13 30	0 59	3 24	1 24	21 14	1 21	16 40	0 41	22 18	1 8	14 4	8 12	21 36	21 33	12 23	9 10	6 53
F 4	22 0	19 25	3 16	23 55	0 23	16 37	1 38	13 13	0 58	3 25	1 25	21 15	1 21	16 39	0 41	22 19	1 8	14 4	8 12	21 36	21 34	12 25	9 11	6 53
S 5	21 51	21 26	2 7	24 1	0 30	16 13	1 37	12 56	0 58	3 26	1 25	21 15	1 21	16 39	0 41	22 19	1 8	14 4	8 12	21 36	21 34	12 27	9 12	6 54
S 6	21 41	22 0	0 51	24 6	0 37	15 48	1 36	12 39	0 57	3 27	1 25	21 16	1 21	16 38	0 41	22 19	1 8	14 4	8 12	21 36	21 35	12 30	9 12	6 54
M 7	21 31	21 8	0s28	24 10	0 44	15 23	1 35	12 22	0 56	3 28	1 25	21 17	1 21	16 37	0 41	22 19	1 8	14 4	8 12	21 36	21 35	12 32	9 13	6 54
T 8	21 21	19 0	1 43	24 12	0 51	14 57	1 34	12 5	0 56	3 28	1 26	21 18	1 21	16 36	0 41	22 19	1 8	14 4	8 11	21 36	21 36	12 34	9 14	6 54
W 9	21 10	15 50	2 51	24 13	0 57	14 31	1 33	11 48	0 55	3 29	1 26	21 18	1 22	16 35	0 41	22 19	1 8	14 4	8 11	21 36	21 37	12 36	9 15	6 55
T 10	20 58	11 57	3 47	24 13	1 3	14 4	1 32	11 31	0 55	3 30	1 26	21 19	1 22	16 34	0 41	22 19	1 8	14 5	8 11	21 36	21 37	12 39	9 16	6 55
F 11	20 46	7 37	4 30	24 11	1 9	13 38	1 30	11 13	0 54	3 30	1 26	21 19	1 22	16 33	0 41	22 19	1 8	14 5	8 11	21 37	21 38	12 41	9 17	6 55
S 12	20 34	3 5	5 0	24 8	1 15	13 10	1 29	10 56	0 53	3 31	1 27	21 20	1 22	16 31	0 41	22 19	1 8	14 5	8 11	21 37	21 38	12 43	9 18	6 55
S 13	20 22	1n28	5 15	24 4	1 20	12 43	1 28	10 38	0 53	3 31	1 27	21 21	1 22	16 30	0 41	22 19	1 8	14 5	8 10	21 37	21 39	12 45	9 19	6 55
M14	20 9	5 54	5 16	23 58	1 25	12 15	1 26	10 20	0 52	3 31	1 27	21 21	1 22	16 29	0 41	22 19	1 8	14 5	8 10	21 37	21 39	12 47	9 20	6 56
T 15	19 55	10 3	5 3	23 51	1 30	11 47	1 25	10 3	0 51	3 31	1 28	21 22	1 22	16 28	0 41	22 19	1 8	14 5	8 10	21 37	21 40	12 50	9 21	6 56
W16	19 42	13 49	4 38	23 43	1 35	11 19	1 23	9 45	0 51	3 31	1 28	21 22	1 22	16 27	0 41	22 19	1 8	14 5	8 10	21 37	21 40	12 52	9 23	6 56
T 17	19 28	17 3	4 0	23 33	1 39	10 50	1 21	9 27	0 50	3 32	1 28	21 23	1 22	16 26	0 41	22 19	1 8	14 5	8 10	21 36	21 41	12 54	9 24	6 56
F 18	19 13	19 35	3 12	23 21	1 43	10 21	1 19	9 9	0 49	3 31	1 28	21 24	1 22	16 25	0 41	22 19	1 8	14 5	8 10	21 36	21 41	12 56	9 25	6 56
S 19	18 59	21 17	2 14	23 8	1 47	9 52	1 18	8 51	0 49	3 31	1 29	21 24	1 22	16 24	0 41	22 20	1 8	14 5	8 9	21 36	21 42	12 58	9 26	6 56
S 20	18 43	22 0	1 10	22 54	1 50	9 22	1 16	8 32	0 48	3 31	1 29	21 25	1 22	16 23	0 41	22 20	1 8	14 5	8 9	21 36	21 42	13 0	9 27	6 56
M21	18 28	21 36	0 0	22 38	1 53	8 53	1 14	8 14	0 47	3 31	1 29	21 25	1 22	16 22	0 41	22 20	1 8	14 6	8 9	21 36	21 43	13 3	9 29	6 56
T 22	18 12	20 3	1n11	22 20	1 56	8 23	1 12	7 56	0 46	3 31	1 29	21 26	1 22	16 21	0 41	22 20	1 8	14 6	8 9	21 36	21 43	13 5	9 30	6 57
W23	17 56	17 24	2 19	22 1	1 58	7 53	1 9	7 38	0 46	3 30	1 30	21 26	1 22	16 20	0 41	22 20	1 8	14 6	8 9	21 36	21 44	13 7	9 31	6 57
T 24	17 40	13 47	3 21	21 40	2 0	7 22	1 7	7 19	0 45	3 30	1 30	21 27	1 22	16 19	0 41	22 20	1 8	14 6	8 8	21 37	21 44	13 9	9 32	6 57
F 25	17 23	9 22	4 13	21 18	2 2	6 52	1 5	7 1	0 44	3 29	1 30	21 27	1 22	16 18	0 41	22 20	1 8	14 6	8 8	21 37	21 45	13 11	9 34	6 57
S 26	17 6	4 26	4 51	20 54	2 3	6 21	1 2	6 42	0 44	3 29	1 30	21 28	1 22	16 17	0 41	22 20	1 8	14 6	8 8	21 37	21 45	13 14	9 35	6 57
S 27	16 49	0s47	5 11	20 29	2 4	5 50	1 0	6 24	0 43	3 28	1 31	21 28	1 22	16 16	0 41	22 20	1 8	14 6	8 8	21 38	21 46	13 16	9 36	6 57
M28	16 31	5 59	5 13	20 2	2 4	5 19	0 58	6 5	0 42	3 27	1 31	21 28	1 22	16 15	0 41	22 20	1 8	14 7	8 7	21 38	21 46	13 18	9 38	6 56
T 29	16 13	10 53	4 57	19 33	2 4	4 48	0 55	5 47	0 42	3 26	1 31	21 29	1 22	16 14	0 41	22 20	1 8	14 7	8 7	21 38	21 47	13 20	9 39	6 56
W30	15 55	15 13	4 22	19 3	2 4	4 17	0 52	5 28	0 41	3 25	1 31	21 29	1 22	16 13	0 41	22 20	1 8	14 7	8 7	21 38	21 47	13 22	9 41	6 56
T 31	15s37	18s40	3n31	18s31	2s 3	3s46	0s50	5s10	0s40	3s24	1n32	21s30	1n22	16s12	0s41	22s20	1n 8	14n 7	8s 7	21n38	21n48	13n24	9n42	6s56

Julian Day Number = 2145843.5, Delta T = 14m45s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'13, Lahiri = 12°11'14 Julian Calendar 1 Jan. 1163 == Greg. Calendar 8 Jan. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

FEBRUARY 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 8 40	18♒39'14	24♐46	16♒19	23♓41	19♓20	12°R 5	16♐36	17♒56	25♐24	10°R42	22♋41	21♋35	19♉58	15°R10	F 1
S 2	9 12 37	19°39'42	8♑48	18° 7	24°53	20° 6	12♎ 3	16°40	17°59	25°26	10♊42	22°42	21°32	20° 4	15♌ 5	S 2
S 3	9 16 33	20°40'09	22°42	19°57	26° 6	20°51	12° 1	16°44	18° 3	25°27	10°41	22°R43	21°29	20°11	15° 1	S 3
M 4	9 20 30	21°40'34	6♒27	21°47	27°18	21°37	11°58	16°49	18° 6	25°29	10°41	22°42	21°26	20°18	14°56	M 4
T 5	9 24 26	22°40'58	19°59	23°39	28°31	22°23	11°55	16°53	18°10	25°30	10°41	22°40	21°23	20°25	14°52	T 5
W 6	9 28 23	23°41'19	3♓17	25°31	29°43	23° 8	11°52	16°57	18°13	25°32	10°40	22°36	21°19	20°31	14°47	W 6
T 7	9 32 19	24°41'39	16°18	27°24	0♈55	23°54	11°49	17° 1	18°17	25°33	10°40	22°31	21°16	20°38	14°43	T 7
F 8	9 36 16	25°41'57	29° 3	29°17	2° 7	24°39	11°46	17° 5	18°20	25°35	10°40	22°25	21°13	20°45	14°38	F 8
S 9	9 40 13	26°42'13	11♈32	1♓12	3°19	25°25	11°42	17° 9	18°23	25°36	10°40	22°19	21°10	20°51	14°34	S 9
S 10	9 44 9	27°42'27	23°45	3° 6	4°31	26°10	11°38	17°13	18°27	25°37	10°40	22°14	21° 7	20°58	14°29	S 10
M11	9 48 6	28°42'39	5♉48	5° 1	5°43	26°56	11°35	17°16	18°30	25°38	10°40	22° 9	21° 4	21° 5	14°25	M11
T 12	9 52 2	29°42'49	17°42	6°57	6°55	27°41	11°30	17°20	18°34	25°40	10°39	22° 7	21° 0	21°11	14°20	T 12
W13	9 55 59	0♓42'57	29°33	8°52	8° 7	28°26	11°26	17°23	18°37	25°41	10°39	22°D 6	20°57	21°18	14°16	W13
T 14	9 59 55	1°43'02	11♊26	10°47	9°18	29°12	11°22	17°27	18°41	25°42	10°39	22° 6	20°54	21°25	14°12	T 14
F 15	10 3 52	2°43'06	23°25	12°42	10°30	29°57	11°17	17°30	18°44	25°43	10°39	22° 8	20°51	21°32	14° 7	F 15
S 16	10 7 48	3°43'07	5♋36	14°36	11°41	0♈42	11°13	17°34	18°47	25°44	10°39	22° 9	20°48	21°38	14° 3	S 16
S 17	10 11 45	4°43'07	18° 3	16°29	12°52	1°27	11° 8	17°37	18°51	25°45	10°D39	22°R10	20°44	21°45	13°59	S 17
M18	10 15 42	5°43'04	0♌50	18°21	14° 3	2°13	11° 3	17°40	18°54	25°47	10°39	22°10	20°41	21°52	13°55	M18
T 19	10 19 38	6°42'59	13°59	20°10	15°15	2°58	10°58	17°43	18°57	25°48	10°39	22° 8	20°38	21°58	13°51	T 19
W20	10 23 35	7°42'51	27°30	21°58	16°26	3°43	10°52	17°46	19° 1	25°49	10°39	22° 4	20°35	22° 5	13°47	W20
T 21	10 27 31	8°42'42	11♍23	23°43	17°36	4°28	10°47	17°49	19° 4	25°50	10°39	21°58	20°32	22°12	13°43	T 21
F 22	10 31 28	9°42'31	25°33	25°24	18°47	5°13	10°41	17°51	19° 7	25°51	10°39	21°50	20°29	22°19	13°39	F 22
S 23	10 35 24	10°42'17	9♎55	27° 2	19°58	5°57	10°36	17°54	19°11	25°51	10°40	21°42	20°25	22°25	13°35	S 23
S 24	10 39 21	11°42'02	24°23	28°36	21° 8	6°42	10°30	17°57	19°14	25°52	10°40	21°35	20°22	22°32	13°31	S 24
M25	10 43 17	12°41'45	8♏52	0♈ 5	22°19	7°27	10°24	17°59	19°17	25°53	10°40	21°29	20°19	22°39	13°27	M25
T 26	10 47 14	13°41'27	23°15	1°29	23°29	8°12	10°18	18° 1	19°20	25°54	10°40	21°25	20°16	22°45	13°24	T 26
W27	10 51 10	14°41'06	7♐30	2°47	24°39	8°56	10°11	18° 4	19°24	25°55	10°40	21°23	20°13	22°52	13°20	W27
T 28	10 55 7	15♓40'44	21♐34	4♈ 0	25♈49	9♈41	10♎ 5	18♐ 6	19♒27	25♐56	10♊41	21°D23	20♋ 9	22♉59	13♌17	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s18	20s59	2n28	17s57	2s 2	3s14	0s47	4s51	0s40	3s23	1n32	21s30	1n22	16s10	0s41	22s20	1n 8	14n 7	8s 7	21n38	21n48	13n27	9n43	6s56
S 2	14 59	22 0	1 16	17 22	2 0	2 43	0 44	4 32	0 39	3 22	1 32	21 30	1 22	16 9	0 41	22 20	1 8	14 7	8 6	21 38	21 49	13 29	9 45	6 56
S 3	14 40	21 38	0 0	16 45	1 58	2 11	0 41	4 14	0 38	3 21	1 32	21 31	1 23	16 8	0 41	22 20	1 8	14 7	8 6	21 37	21 49	13 31	9 46	6 56
M 4	14 21	19 57	1s15	16 7	1 55	1 40	0 38	3 55	0 38	3 20	1 33	21 31	1 23	16 7	0 41	22 20	1 8	14 8	8 6	21 38	21 50	13 33	9 48	6 56
T 5	14 1	17 9	2 24	15 27	1 51	1 8	0 35	3 36	0 37	3 19	1 33	21 32	1 23	16 6	0 41	22 20	1 8	14 8	8 6	21 38	21 50	13 35	9 49	6 56
W 6	13 41	13 31	3 24	14 45	1 47	0 36	0 32	3 17	0 36	3 17	1 33	21 32	1 23	16 5	0 41	22 20	1 8	14 8	8 6	21 39	21 51	13 38	9 51	6 55
T 7	13 21	9 17	4 12	14 2	1 43	0 5	0 29	2 59	0 35	3 16	1 33	21 32	1 23	16 4	0 41	22 20	1 8	14 8	8 5	21 39	21 51	13 40	9 52	6 55
F 8	13 1	4 45	4 46	13 18	1 38	0n27	0 26	2 40	0 35	3 14	1 34	21 33	1 23	16 3	0 41	22 20	1 8	14 8	8 5	21 40	21 52	13 42	9 54	6 55
S 9	12 40	0 7	5 6	12 32	1 32	0 59	0 23	2 21	0 34	3 13	1 34	21 33	1 23	16 2	0 41	22 20	1 8	14 9	8 5	21 41	21 52	13 44	9 55	6 55
S 10	12 19	4n27	5 11	11 44	1 26	1 30	0 19	2 2	0 33	3 11	1 34	21 33	1 23	16 1	0 41	22 20	1 8	14 9	8 5	21 42	21 53	13 46	9 57	6 55
M11	11 59	8 45	5 2	10 56	1 19	2 2	0 16	1 44	0 33	3 9	1 34	21 33	1 23	16 0	0 41	22 20	1 8	14 9	8 4	21 43	21 53	13 48	9 58	6 54
T 12	11 37	12 41	4 41	10 6	1 11	2 34	0 13	1 25	0 32	3 7	1 34	21 34	1 23	15 59	0 41	22 20	1 8	14 9	8 4	21 43	21 54	13 50	10 0	6 54
W13	11 16	16 7	4 7	9 15	1 3	3 5	0 9	1 6	0 31	3 6	1 35	21 34	1 23	15 58	0 41	22 20	1 8	14 9	8 4	21 44	21 54	13 53	10 1	6 54
T 14	10 55	18 54	3 23	8 23	0 54	3 37	0 6	0 47	0 31	3 4	1 35	21 34	1 23	15 57	0 41	22 20	1 8	14 10	8 4	21 43	21 55	13 55	10 3	6 53
F 15	10 33	20 53	2 30	7 31	0 45	4 8	0 2	0 29	0 30	3 2	1 35	21 35	1 23	15 56	0 41	22 20	1 8	14 10	8 4	21 43	21 55	13 57	10 4	6 53
S 16	10 11	21 57	1 29	6 37	0 35	4 39	0n 1	0 10	0 29	3 0	1 35	21 35	1 23	15 55	0 41	22 20	1 8	14 10	8 3	21 43	21 56	13 59	10 6	6 53
S 17	9 49	21 57	0 22	5 44	0 24	5 11	0 5	0n 9	0 28	2 58	1 35	21 35	1 23	15 54	0 41	22 20	1 8	14 10	8 3	21 43	21 56	14 1	10 7	6 52
M18	9 27	20 49	0n47	4 50	0 13	5 42	0 8	0 27	0 28	2 55	1 36	21 35	1 23	15 52	0 41	22 20	1 8	14 11	8 3	21 43	21 57	14 3	10 9	6 52
T 19	9 5	18 33	1 55	3 56	0 1	6 13	0 12	0 46	0 27	2 53	1 36	21 35	1 24	15 51	0 41	22 20	1 8	14 11	8 3	21 43	21 57	14 5	10 10	6 52
W20	8 43	15 11	2 59	3 2	0n11	6 44	0 16	1 5	0 26	2 51	1 36	21 36	1 24	15 50	0 41	22 20	1 8	14 11	8 2	21 44	21 58	14 8	10 12	6 51
T 21	8 20	10 56	3 54	2 9	0 23	7 14	0 19	1 23	0 26	2 49	1 36	21 36	1 24	15 49	0 41	22 20	1 8	14 11	8 2	21 45	21 58	14 10	10 13	6 51
F 22	7 58	5 59	4 36	1 17	0 36	7 45	0 23	1 42	0 25	2 46	1 36	21 36	1 24	15 48	0 41	22 20	1 8	14 11	8 2	21 46	21 59	14 12	10 15	6 50
S 23	7 35	0 39	5 0	0 26	0 49	8 15	0 27	2 0	0 24	2 44	1 37	21 36	1 24	15 47	0 41	22 20	1 9	14 12	8 2	21 47	21 59	14 14	10 16	6 50
S 24	7 12	4s45	5 6	0n24	1 2	8 45	0 31	2 19	0 24	2 41	1 37	21 36	1 24	15 46	0 41	22 20	1 9	14 12	8 2	21 49	22 0	14 16	10 18	6 50
M25	6 49	9 53	4 53	1 11	1 16	9 15	0 34	2 37	0 23	2 39	1 37	21 36	1 24	15 45	0 41	22 20	1 9	14 12	8 1	21 49	22 0	14 18	10 19	6 49
T 26	6 26	14 27	4 21	1 57	1 29	9 45	0 38	2 56	0 22	2 36	1 37	21 37	1 24	15 44	0 41	22 20	1 9	14 12	8 1	21 50	22 1	14 20	10 21	6 49
W27	6 3	18 9	3 33	2 40	1 42	10 15	0 42	3 14	0 21	2 34	1 37	21 37	1 24	15 43	0 41	22 20	1 9	14 13	8 1	21 50	22 1	14 23	10 22	6 48
T 28	5s40	20s44	2n33	3n21	1n55	10n44	0n46	3n32	0s21	2s31	1n37	21s37	1n24	15s42	0s41	22s20	1n 9	14n13	8s 1	21n50	22n 2	14n25	10n23	6s48

Julian Day Number = 2145874.5, Delta T = 14m45s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'17, Lahiri = 12°11'18 Julian Calendar 1 Feb. 1163 == Greg. Calendar 8 Feb. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

MARCH 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 59 4	16♓40'21	5♉26	5♈ 5	26♈59	10♈26	9°R59	18♐ 8	19♒30	25♐56	10♊41	21♋23	20♋ 6	23♉ 5	13°R13	F 1
S 2	11 3 0	17°39'55	19° 7	6° 4	28° 9	11°10	9♎52	18°10	19°33	25°57	10°41	21°R24	20° 3	23°12	13♌10	S 2
S 3	11 6 57	18°39'28	2♒37	6°56	29°18	11°55	9°45	18°12	19°36	25°58	10°41	21°23	20° 0	23°19	13° 6	S 3
M 4	11 10 53	19°38'59	15°56	7°41	0♉28	12°39	9°39	18°14	19°39	25°58	10°42	21°21	19°57	23°26	13° 3	M 4
T 5	11 14 50	20°38'28	29° 4	8°18	1°37	13°24	9°32	18°15	19°43	25°59	10°42	21°16	19°54	23°32	13° 0	T 5
W 6	11 18 46	21°37'54	12♓ 0	8°47	2°46	14° 8	9°25	18°17	19°46	25°59	10°42	21° 8	19°50	23°39	12°57	W 6
T 7	11 22 43	22°37'19	24°45	9° 9	3°55	14°53	9°18	18°18	19°49	26° 0	10°43	20°57	19°47	23°46	12°54	T 7
F 8	11 26 39	23°36'42	7♈18	9°23	5° 4	15°37	9°11	18°20	19°52	26° 0	10°43	20°46	19°44	23°52	12°51	F 8
S 9	11 30 36	24°36'02	19°38	9°R29	6°13	16°21	9° 3	18°21	19°55	26° 1	10°44	20°34	19°41	23°59	12°48	S 9
S 10	11 34 33	25°35'21	1♉48	9°28	7°22	17° 5	8°56	18°22	19°58	26° 1	10°44	20°23	19°38	24° 6	12°45	S 10
M11	11 38 29	26°34'37	13°47	9°19	8°30	17°49	8°49	18°23	20° 1	26° 2	10°45	20°13	19°35	24°12	12°43	M11
T 12	11 42 26	27°33'50	25°40	9° 4	9°38	18°34	8°41	18°25	20° 4	26° 2	10°45	20° 6	19°31	24°19	12°40	T 12
W13	11 46 22	28°33'02	7♊30	8°42	10°47	19°18	8°34	18°25	20° 6	26° 2	10°46	20° 1	19°28	24°26	12°38	W13
T 14	11 50 19	29°32'11	19°21	8°14	11°55	20° 2	8°26	18°26	20° 9	26° 3	10°46	19°59	19°25	24°32	12°35	T 14
F 15	11 54 15	0♈31'18	1♋18	7°41	13° 2	20°46	8°19	18°27	20°12	26° 3	10°47	19°D59	19°22	24°39	12°33	F 15
S 16	11 58 12	1°30'23	13°27	7° 3	14°10	21°29	8°11	18°28	20°15	26° 3	10°47	19°R59	19°19	24°46	12°31	S 16
S 17	12 2 8	2°29'25	25°52	6°22	15°17	22°13	8° 4	18°28	20°18	26° 3	10°48	19°59	19°15	24°53	12°29	S 17
M18	12 6 5	3°28'25	8♌40	5°38	16°25	22°57	7°56	18°29	20°21	26° 4	10°49	19°58	19°12	24°59	12°27	M18
T 19	12 10 2	4°27'23	21°53	4°52	17°32	23°41	7°48	18°29	20°23	26° 4	10°49	19°54	19° 9	25° 6	12°25	T 19
W20	12 13 58	5°26'18	5♍34	4° 5	18°38	24°25	7°41	18°29	20°26	26° 4	10°50	19°48	19° 6	25°13	12°23	W20
T 21	12 17 55	6°25'11	19°41	3°17	19°45	25° 8	7°33	18°29	20°29	26° 4	10°51	19°39	19° 3	25°19	12°22	T 21
F 22	12 21 51	7°24'02	4♎11	2°31	20°52	25°52	7°25	18°R29	20°31	26°R 4	10°51	19°29	19° 0	25°26	12°20	F 22
S 23	12 25 48	8°22'50	18°58	1°46	21°58	26°35	7°18	18°29	20°34	26° 4	10°52	19°17	18°56	25°33	12°19	S 23
S 24	12 29 44	9°21'37	3♏53	1° 4	23° 4	27°19	7°10	18°29	20°36	26° 4	10°53	19° 7	18°53	25°39	12°17	S 24
M25	12 33 41	10°20'22	18°47	0°25	24°10	28° 2	7° 2	18°29	20°39	26° 4	10°54	18°58	18°50	25°46	12°16	M25
T 26	12 37 37	11°19'05	3♐32	29♓49	25°15	28°46	6°55	18°28	20°41	26° 4	10°54	18°51	18°47	25°53	12°15	T 26
W27	12 41 34	12°17'47	18° 1	29°18	26°20	29°29	6°47	18°28	20°44	26° 3	10°55	18°47	18°44	26° 0	12°14	W27
T 28	12 45 31	13°16'27	2♑12	28°51	27°25	0♉12	6°39	18°27	20°46	26° 3	10°56	18°46	18°40	26° 6	12°13	T 28
F 29	12 49 27	14°15'05	16° 4	28°29	28°30	0°56	6°32	18°27	20°49	26° 3	10°57	18°46	18°37	26°13	12°12	F 29
S 30	12 53 24	15°13'41	29°37	28°12	29°35	1°39	6°24	18°26	20°51	26° 3	10°58	18°46	18°34	26°20	12°11	S 30
S 31	12 57 20	16♈12'16	12♒53	27♓59	0♊39	2♉22	6♎17	18♐25	20♒53	26♐ 3	10♊59	18♋44	18♋31	26♉26	12♌10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s17	22s 2	1n25	3n59	2n 7	11n13	0n50	3n50	0s20	2s29	1n37	21s37	1n24	15s41	0s41	22s20	1n 9	14n13	8s 0	21n50	22n 2	14n27	10n25	6s47
S 2	4 54	21 58	0 12	4 33	2 19	11 42	0 54	4 9	0 19	2 26	1 38	21 37	1 24	15 40	0 41	22 20	1 9	14 13	8 0	21 50	22 3	14 29	10 26	6 47
S 3	4 30	20 38	1s 0	5 4	2 31	12 10	0 58	4 27	0 19	2 23	1 38	21 37	1 24	15 39	0 41	22 20	1 9	14 14	8 0	21 50	22 3	14 31	10 28	6 46
M 4	4 7	18 9	2 7	5 32	2 41	12 39	1 2	4 45	0 18	2 20	1 38	21 37	1 24	15 38	0 41	22 20	1 9	14 14	8 0	21 51	22 3	14 33	10 29	6 46
T 5	3 44	14 46	3 7	5 55	2 51	13 7	1 5	5 3	0 17	2 18	1 38	21 37	1 25	15 37	0 41	22 20	1 9	14 14	8 0	21 52	22 4	14 35	10 31	6 45
W 6	3 20	10 43	3 56	6 15	3 0	13 34	1 9	5 21	0 17	2 15	1 38	21 37	1 25	15 37	0 41	22 20	1 9	14 15	7 59	21 53	22 4	14 37	10 32	6 44
T 7	2 56	6 15	4 32	6 31	3 8	14 2	1 13	5 38	0 16	2 12	1 38	21 37	1 25	15 36	0 41	22 20	1 9	14 15	7 59	21 54	22 5	14 40	10 33	6 44
F 8	2 33	1 36	4 55	6 42	3 14	14 29	1 17	5 56	0 15	2 9	1 38	21 37	1 25	15 35	0 41	22 20	1 9	14 15	7 59	21 56	22 5	14 42	10 35	6 43
S 9	2 9	3n 3	5 3	6 50	3 20	14 56	1 21	6 14	0 15	2 6	1 38	21 38	1 25	15 34	0 41	22 20	1 9	14 15	7 59	21 58	22 6	14 44	10 36	6 43
S 10	1 46	7 30	4 57	6 53	3 24	15 22	1 25	6 32	0 14	2 3	1 38	21 38	1 25	15 33	0 41	22 20	1 9	14 16	7 58	22 0	22 6	14 46	10 37	6 42
M11	1 22	11 38	4 38	6 52	3 26	15 48	1 29	6 49	0 13	2 0	1 38	21 38	1 25	15 32	0 41	22 20	1 9	14 16	7 58	22 1	22 7	14 48	10 39	6 41
T 12	0 58	15 16	4 7	6 46	3 27	16 14	1 33	7 7	0 13	1 57	1 39	21 38	1 25	15 31	0 41	22 20	1 9	14 16	7 58	22 2	22 7	14 50	10 40	6 41
W13	0 35	18 17	3 26	6 37	3 26	16 39	1 37	7 24	0 12	1 54	1 39	21 38	1 25	15 30	0 41	22 20	1 9	14 16	7 58	22 3	22 8	14 52	10 41	6 40
T 14	0 11	20 32	2 35	6 23	3 23	17 4	1 40	7 41	0 11	1 51	1 39	21 38	1 25	15 29	0 41	22 20	1 9	14 17	7 58	22 3	22 8	14 54	10 43	6 40
F 15	0n13	21 55	1 38	6 7	3 19	17 29	1 44	7 59	0 11	1 48	1 39	21 38	1 25	15 28	0 41	22 20	1 9	14 17	7 57	22 3	22 9	14 56	10 44	6 39
S 16	0 36	22 17	0 35	5 46	3 13	17 53	1 48	8 16	0 10	1 45	1 39	21 38	1 25	15 27	0 42	22 20	1 9	14 17	7 57	22 3	22 9	14 58	10 45	6 38
S 17	1 0	21 35	0n31	5 23	3 6	18 16	1 52	8 33	0 9	1 42	1 39	21 38	1 25	15 27	0 42	22 20	1 9	14 18	7 57	22 3	22 9	15 1	10 46	6 38
M18	1 23	19 45	1 37	4 57	2 57	18 40	1 55	8 50	0 8	1 39	1 39	21 37	1 26	15 26	0 42	22 20	1 9	14 18	7 57	22 3	22 10	15 3	10 47	6 37
T 19	1 47	16 48	2 41	4 29	2 46	19 3	1 59	9 7	0 8	1 36	1 39	21 37	1 26	15 25	0 42	22 20	1 9	14 18	7 56	22 4	22 10	15 5	10 49	6 36
W20	2 10	12 52	3 37	3 59	2 34	19 25	2 3	9 24	0 7	1 33	1 39	21 37	1 26	15 24	0 42	22 20	1 9	14 18	7 56	22 5	22 11	15 7	10 50	6 36
T 21	2 34	8 6	4 21	3 28	2 21	19 47	2 6	9 40	0 6	1 30	1 39	21 37	1 26	15 23	0 42	22 20	1 9	14 19	7 56	22 6	22 11	15 9	10 51	6 35
F 22	2 57	2 46	4 50	2 57	2 7	20 8	2 10	9 57	0 6	1 27	1 39	21 37	1 26	15 22	0 42	22 20	1 9	14 19	7 56	22 8	22 12	15 11	10 52	6 34
S 23	3 20	2s49	5 1	2 25	1 52	20 29	2 14	10 13	0 5	1 24	1 39	21 37	1 26	15 22	0 42	22 20	1 9	14 19	7 56	22 9	22 12	15 13	10 53	6 34
S 24	3 44	8 18	4 51	1 54	1 37	20 50	2 17	10 30	0 4	1 21	1 39	21 37	1 26	15 21	0 42	22 20	1 9	14 20	7 55	22 11	22 13	15 15	10 54	6 33
M25	4 7	13 18	4 21	1 24	1 21	21 10	2 21	10 46	0 4	1 18	1 39	21 37	1 26	15 20	0 42	22 20	1 9	14 20	7 55	22 12	22 13	15 17	10 55	6 32
T 26	4 30	17 26	3 35	0 55	1 4	21 30	2 24	11 2	0 3	1 15	1 39	21 37	1 26	15 19	0 42	22 20	1 9	14 20	7 55	22 13	22 13	15 19	10 56	6 31
W27	4 53	20 26	2 35	0 27	0 48	21 49	2 27	11 18	0 3	1 12	1 39	21 37	1 26	15 18	0 42	22 20	1 9	14 21	7 55	22 13	22 14	15 21	10 57	6 31
T 28	5 16	22 5	1 26	0 1	0 31	22 7	2 31	11 34	0 2	1 9	1 39	21 37	1 26	15 18	0 42	22 20	1 9	14 21	7 55	22 14	22 14	15 23	10 58	6 30
F 29	5 39	22 20	0 14	0s22	0 15	22 25	2 34	11 50	0 1	1 6	1 39	21 37	1 26	15 17	0 42	22 20	1 10	14 21	7 55	22 14	22 15	15 25	10 59	6 29
S 30	6 1	21 15	0s57	0 44	0s 1	22 42	2 37	12 5	0 1	1 3	1 39	21 36	1 26	15 16	0 42	22 20	1 10	14 21	7 54	22 14	22 15	15 27	11 0	6 28
S 31	6n24	19s 0	2s 4	1s 3	0s16	22n59	2n40	12n21	0n 0	1s 0	1n39	21s36	1n26	15s16	0s42	22s20	1n10	14n22	7s54	22n14	22n16	15n30	11n 1	6s28

Julian Day Number = 2145902.5, Delta T = 14m45s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'21, Lahiri = 12°11'22 Julian Calendar 1 March 1163 == Greg. Calendar 8 March 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

APRIL 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 1 17	17♈10'49	25♒54	27°R53	1♊43	3♉ 5	6°R 9	18°R24	20♒56	26°R 2	10♊59	18°R40	18♋28	26♉33	12°R10	M 1
T 2	13 5 13	18° 9'20	8♓43	27°D51	2°47	3°48	6♎ 2	18♐23	20°58	26♐ 2	11° 0	18♋34	18°25	26°40	12♌ 9	T 2
W 3	13 9 10	19° 7'50	21°20	27♓54	3°51	4°31	5°54	18°22	21° 0	26° 2	11° 1	18°24	18°21	26°46	12° 9	W 3
T 4	13 13 6	20° 6'17	3♈48	28° 2	4°54	5°14	5°47	18°21	21° 2	26° 1	11° 2	18°12	18°18	26°53	12° 9	T 4
F 5	13 17 3	21° 4'43	16° 6	28°15	5°57	5°57	5°40	18°20	21° 4	26° 1	11° 3	17°59	18°15	27° 0	12° 9	F 5
S 6	13 20 59	22° 3'07	28°15	28°33	7° 0	6°40	5°33	18°18	21° 6	26° 0	11° 4	17°45	18°12	27° 6	12°D 9	S 6
S 7	13 24 56	23° 1'29	10♉17	28°56	8° 2	7°23	5°26	18°17	21° 9	26° 0	11° 5	17°31	18° 9	27°13	12° 9	S 7
M 8	13 28 53	23°59'49	22°12	29°22	9° 4	8° 6	5°19	18°15	21°11	25°59	11° 6	17°20	18° 6	27°20	12° 9	M 8
T 9	13 32 49	24°58'08	4♊ 2	29°53	10° 6	8°48	5°12	18°13	21°13	25°59	11° 7	17°11	18° 2	27°27	12° 9	T 9
W10	13 36 46	25°56'24	15°50	0♈28	11° 7	9°31	5° 5	18°12	21°14	25°58	11° 8	17° 5	17°59	27°33	12°10	W10
T 11	13 40 42	26°54'38	27°40	1° 7	12° 8	10°14	4°58	18°10	21°16	25°58	11° 9	17° 1	17°56	27°40	12°10	T 11
F 12	13 44 39	27°52'50	9♋36	1°50	13° 9	10°56	4°51	18° 8	21°18	25°57	11°10	17° 0	17°53	27°47	12°11	F 12
S 13	13 48 35	28°51'01	21°43	2°36	14° 9	11°39	4°45	18° 6	21°20	25°56	11°11	17°D 0	17°50	27°53	12°12	S 13
S 14	13 52 32	29°49'09	4♌ 6	3°26	15° 9	12°21	4°38	18° 4	21°22	25°56	11°12	17°R 0	17°46	28° 0	12°13	S 14
M15	13 56 28	0♉47'15	16°50	4°19	16° 9	13° 4	4°32	18° 2	21°23	25°55	11°14	16°59	17°43	28° 7	12°14	M15
T 16	14 0 25	1°45'19	0♍ 1	5°15	17° 8	13°46	4°26	17°59	21°25	25°54	11°15	16°56	17°40	28°13	12°15	T 16
W17	14 4 22	2°43'21	13°40	6°14	18° 6	14°29	4°20	17°57	21°27	25°53	11°16	16°51	17°37	28°20	12°16	W17
T 18	14 8 18	3°41'21	27°49	7°17	19° 5	15°11	4°14	17°54	21°28	25°53	11°17	16°43	17°34	28°27	12°17	T 18
F 19	14 12 15	4°39'20	12♎26	8°22	20° 2	15°53	4° 8	17°52	21°30	25°52	11°18	16°34	17°31	28°33	12°19	F 19
S 20	14 16 11	5°37'16	27°23	9°29	21° 0	16°35	4° 2	17°49	21°31	25°51	11°19	16°23	17°27	28°40	12°20	S 20
S 21	14 20 8	6°35'11	12♏34	10°40	21°57	17°17	3°57	17°47	21°33	25°50	11°20	16°14	17°24	28°47	12°22	S 21
M22	14 24 4	7°33'05	27°46	11°53	22°53	17°59	3°51	17°44	21°34	25°49	11°22	16° 5	17°21	28°54	12°23	M22
T 23	14 28 1	8°30'57	12♐51	13° 8	23°49	18°42	3°46	17°41	21°36	25°48	11°23	15°59	17°18	29° 0	12°25	T 23
W24	14 31 57	9°28'47	27°38	14°26	24°44	19°24	3°41	17°38	21°37	25°47	11°24	15°56	17°15	29° 7	12°27	W24
T 25	14 35 54	10°26'37	12♑ 3	15°47	25°39	20° 5	3°36	17°35	21°38	25°46	11°25	15°D55	17°12	29°14	12°29	T 25
F 26	14 39 51	11°24'25	26° 4	17° 9	26°33	20°47	3°31	17°32	21°39	25°45	11°27	15°55	17° 8	29°20	12°31	F 26
S 27	14 43 47	12°22'12	9♒40	18°34	27°27	21°29	3°26	17°29	21°41	25°44	11°28	15°R55	17° 5	29°27	12°34	S 27
S 28	14 47 44	13°19'58	22°54	20° 2	28°20	22°11	3°22	17°26	21°42	25°43	11°29	15°55	17° 2	29°34	12°36	S 28
M29	14 51 40	14°17'43	5♓49	21°32	29°12	22°53	3°17	17°22	21°43	25°42	11°30	15°53	16°59	29°40	12°38	M29
T 30	14 55 37	15♉15'26	18♓27	23♈ 3	0♋ 4	23♉35	3♎13	17♐19	21♒44	25♐41	11♊32	15♋48	16♋56	29♉47	12♌41	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n47	15s48	3s 3	1s19	0s31	23n16	2n43	12n37	0n 1	0s57	1n38	21s36	1n26	15s15	0s42	22s20	1n10	14n22	7s54	22n14	22n16	15n32	11n 2	6s27
T 2	7 9	11 54	3 51	1 33	0 45	23 32	2 46	12 52	0 1	0 54	1 38	21 36	1 27	15 14	0 42	22 20	1 10	14 22	7 54	22 15	22 17	15 34	11 2	6 26
W 3	7 31	7 32	4 27	1 45	0 59	23 47	2 49	13 7	0 2	0 51	1 38	21 36	1 27	15 13	0 42	22 20	1 10	14 23	7 54	22 17	22 17	15 36	11 3	6 26
T 4	7 54	2 55	4 50	1 53	1 12	24 2	2 52	13 22	0 3	0 48	1 38	21 36	1 27	15 13	0 42	22 20	1 10	14 23	7 53	22 18	22 17	15 38	11 4	6 25
F 5	8 16	1n45	4 59	1 59	1 25	24 16	2 55	13 37	0 3	0 46	1 38	21 36	1 27	15 12	0 42	22 20	1 10	14 23	7 53	22 20	22 18	15 40	11 5	6 24
S 6	8 38	6 19	4 55	2 3	1 36	24 29	2 57	13 52	0 4	0 43	1 38	21 35	1 27	15 11	0 42	22 19	1 10	14 24	7 53	22 22	22 18	15 42	11 5	6 23
S 7	8 59	10 35	4 37	2 4	1 47	24 42	3 0	14 7	0 5	0 40	1 38	21 35	1 27	15 11	0 42	22 19	1 10	14 24	7 53	22 24	22 19	15 44	11 6	6 23
M 8	9 21	14 25	4 7	2 2	1 57	24 55	3 2	14 21	0 5	0 37	1 38	21 35	1 27	15 10	0 42	22 19	1 10	14 24	7 53	22 25	22 19	15 46	11 7	6 22
T 9	9 43	17 40	3 26	1 59	2 7	25 7	3 5	14 36	0 6	0 35	1 38	21 35	1 27	15 10	0 42	22 19	1 10	14 25	7 53	22 26	22 20	15 48	11 7	6 21
W10	10 4	20 11	2 37	1 53	2 15	25 18	3 7	14 50	0 6	0 32	1 38	21 35	1 27	15 9	0 42	22 19	1 10	14 25	7 52	22 27	22 20	15 50	11 8	6 20
T 11	10 25	21 51	1 41	1 44	2 23	25 29	3 9	15 4	0 7	0 30	1 37	21 34	1 27	15 8	0 42	22 19	1 10	14 25	7 52	22 27	22 20	15 52	11 9	6 19
F 12	10 46	22 33	0 39	1 34	2 30	25 39	3 11	15 18	0 8	0 27	1 37	21 34	1 27	15 8	0 42	22 19	1 10	14 25	7 52	22 28	22 21	15 54	11 9	6 19
S 13	11 7	22 12	0n25	1 21	2 36	25 48	3 13	15 32	0 8	0 25	1 37	21 34	1 27	15 7	0 42	22 19	1 10	14 26	7 52	22 28	22 21	15 56	11 10	6 18
S 14	11 28	20 46	1 29	1 6	2 42	25 57	3 15	15 45	0 9	0 22	1 37	21 34	1 27	15 7	0 42	22 19	1 10	14 26	7 52	22 28	22 22	15 58	11 10	6 17
M15	11 48	18 16	2 31	0 50	2 47	26 5	3 17	15 59	0 10	0 20	1 37	21 33	1 27	15 6	0 42	22 19	1 10	14 26	7 52	22 28	22 22	16 0	11 11	6 16
T 16	12 8	14 45	3 27	0 31	2 51	26 13	3 19	16 12	0 10	0 18	1 37	21 33	1 27	15 6	0 42	22 19	1 10	14 27	7 51	22 28	22 22	16 2	11 11	6 16
W17	12 28	10 21	4 13	0 11	2 54	26 20	3 20	16 26	0 11	0 15	1 36	21 33	1 27	15 5	0 43	22 19	1 10	14 27	7 51	22 29	22 23	16 4	11 12	6 15
T 18	12 48	5 14	4 46	0n12	2 57	26 27	3 22	16 39	0 11	0 13	1 36	21 33	1 27	15 5	0 43	22 19	1 10	14 27	7 51	22 30	22 23	16 6	11 12	6 14
F 19	13 8	0s19	5 1	0 35	2 59	26 33	3 23	16 52	0 12	0 11	1 36	21 32	1 27	15 4	0 43	22 19	1 10	14 28	7 51	22 31	22 24	16 8	11 12	6 13
S 20	13 27	5 59	4 57	1 1	3 0	26 38	3 24	17 4	0 13	0 9	1 36	21 32	1 27	15 4	0 43	22 19	1 10	14 28	7 51	22 32	22 24	16 10	11 13	6 13
S 21	13 47	11 22	4 31	1 28	3 1	26 43	3 25	17 17	0 13	0 7	1 36	21 32	1 27	15 3	0 43	22 19	1 10	14 28	7 51	22 33	22 25	16 12	11 13	6 12
M22	14 6	16 4	3 46	1 56	3 1	26 47	3 26	17 29	0 14	0 5	1 36	21 32	1 28	15 3	0 43	22 19	1 10	14 28	7 50	22 34	22 25	16 14	11 13	6 11
T 23	14 24	19 42	2 46	2 26	3 1	26 51	3 27	17 42	0 14	0 3	1 35	21 31	1 28	15 3	0 43	22 19	1 10	14 29	7 50	22 35	22 25	16 16	11 13	6 10
W24	14 43	21 56	1 36	2 58	2 59	26 54	3 27	17 54	0 15	0 1	1 35	21 31	1 28	15 2	0 43	22 19	1 10	14 29	7 50	22 35	22 26	16 18	11 14	6 10
T 25	15 1	22 39	0 21	3 30	2 58	26 56	3 28	18 6	0 16	0n 1	1 35	21 31	1 28	15 2	0 43	22 19	1 10	14 29	7 50	22 36	22 26	16 20	11 14	6 9
F 26	15 19	21 55	0s54	4 4	2 55	26 58	3 28	18 18	0 16	0 3	1 35	21 30	1 28	15 2	0 43	22 19	1 10	14 30	7 50	22 36	22 27	16 22	11 14	6 8
S 27	15 37	19 53	2 3	4 40	2 52	26 59	3 28	18 29	0 17	0 4	1 35	21 30	1 28	15 1	0 43	22 18	1 10	14 30	7 50	22 36	22 27	16 24	11 14	6 7
S 28	15 55	16 50	3 4	5 16	2 48	27 0	3 28	18 41	0 17	0 6	1 34	21 30	1 28	15 1	0 43	22 18	1 10	14 30	7 50	22 36	22 27	16 26	11 14	6 7
M29	16 12	13 2	3 54	5 53	2 44	27 0	3 28	18 52	0 18	0 7	1 34	21 29	1 28	15 1	0 43	22 18	1 10	14 30	7 50	22 36	22 28	16 28	11 14	6 6
T 30	16n29	8s44	4s31	6n32	2s39	27n 0	3n27	19n 3	0n19	0n 9	1n34	21s29	1n28	15s 0	0s43	22s18	1n10	14n31	7s49	22n36	22n28	16n30	11n14	6s 5

Julian Day Number = 2145933.5, Delta T = 14m45s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'25, Lahiri = 12°11'26 Julian Calendar 1 Apr. 1163 == Greg. Calendar 8 Apr. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

MAY 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 59 33	16♉13'08	0♈52	24♈38	0♋55	24♉16	3°R 9	17°R16	21♒45	25°R40	11♊33	15°R41	16♋52	29♉54	12♌43	W 1
T 2	15 3 30	17°10'49	13° 7	26°14	1°46	24°58	3♎ 5	17♐12	21°46	25♐39	11°34	15♋32	16°49	0♊ 0	12°46	T 2
F 3	15 7 26	18° 8'29	25°13	27°53	2°35	25°40	3° 1	17° 9	21°47	25°37	11°35	15°22	16°46	0° 7	12°49	F 3
S 4	15 11 23	19° 6'08	7♉12	29°34	3°24	26°21	2°58	17° 5	21°47	25°36	11°37	15°11	16°43	0°14	12°52	S 4
S 5	15 15 20	20° 3'46	19° 6	1♉17	4°13	27° 3	2°54	17° 1	21°48	25°35	11°38	15° 1	16°40	0°20	12°55	S 5
M 6	15 19 16	21° 1'22	0♊57	3° 2	5° 0	27°44	2°51	16°58	21°49	25°34	11°39	14°52	16°37	0°27	12°58	M 6
T 7	15 23 13	21°58'57	12°46	4°49	5°47	28°25	2°48	16°54	21°50	25°32	11°41	14°46	16°33	0°34	13° 1	T 7
W 8	15 27 9	22°56'31	24°35	6°39	6°32	29° 7	2°45	16°50	21°50	25°31	11°42	14°41	16°30	0°41	13° 5	W 8
T 9	15 31 6	23°54'03	6♋27	8°31	7°17	29°48	2°43	16°46	21°51	25°30	11°43	14°39	16°27	0°47	13° 8	T 9
F 10	15 35 2	24°51'35	18°26	10°25	8° 1	0♊29	2°40	16°42	21°52	25°29	11°45	14°D39	16°24	0°54	13°12	F 10
S 11	15 38 59	25°49'05	0♌34	12°21	8°44	1°11	2°38	16°39	21°52	25°27	11°46	14°39	16°21	1° 1	13°15	S 11
S 12	15 42 55	26°46'33	12°58	14°19	9°26	1°52	2°35	16°35	21°53	25°26	11°48	14°41	16°18	1° 7	13°19	S 12
M13	15 46 52	27°44'00	25°41	16°20	10° 7	2°33	2°33	16°31	21°53	25°24	11°49	14°R41	16°14	1°14	13°23	M13
T 14	15 50 49	28°41'26	8♍47	18°22	10°47	3°14	2°32	16°26	21°53	25°23	11°50	14°41	16°11	1°21	13°27	T 14
W15	15 54 45	29°38'51	22°20	20°26	11°26	3°55	2°30	16°22	21°54	25°22	11°52	14°39	16° 8	1°27	13°31	W15
T 16	15 58 42	0♊36'14	6♎22	22°32	12° 3	4°36	2°28	16°18	21°54	25°20	11°53	14°35	16° 5	1°34	13°35	T 16
F 17	16 2 38	1°33'36	20°52	24°39	12°40	5°17	2°27	16°14	21°54	25°19	11°54	14°30	16° 2	1°41	13°39	F 17
S 18	16 6 35	2°30'57	5♏45	26°47	13°15	5°58	2°26	16°10	21°54	25°17	11°56	14°24	15°58	1°47	13°43	S 18
S 19	16 10 31	3°28'17	20°55	28°57	13°48	6°39	2°25	16° 6	21°54	25°16	11°57	14°18	15°55	1°54	13°47	S 19
M20	16 14 28	4°25'36	6♐11	1♊ 8	14°21	7°20	2°24	16° 1	21°54	25°14	11°59	14°13	15°52	2° 1	13°52	M20
T 21	16 18 24	5°22'55	21°24	3°19	14°52	8° 1	2°24	15°57	21°R54	25°13	12° 0	14° 9	15°49	2° 7	13°56	T 21
W22	16 22 21	6°20'12	6♑22	5°31	15°21	8°41	2°23	15°53	21°54	25°11	12° 1	14° 7	15°46	2°14	14° 1	W22
T 23	16 26 18	7°17'29	21° 0	7°43	15°49	9°22	2°23	15°49	21°54	25°10	12° 3	14°D 7	15°43	2°21	14° 6	T 23
F 24	16 30 14	8°14'46	5♒12	9°55	16°16	10° 3	2°D23	15°44	21°54	25° 8	12° 4	14° 8	15°39	2°27	14°10	F 24
S 25	16 34 11	9°12'02	18°58	12° 6	16°40	10°43	2°23	15°40	21°54	25° 7	12° 6	14°10	15°36	2°34	14°15	S 25
S 26	16 38 7	10° 9'18	2♓17	14°17	17° 4	11°24	2°23	15°35	21°54	25° 5	12° 7	14°11	15°33	2°41	14°20	S 26
M27	16 42 4	11° 6'33	15°13	16°27	17°25	12° 5	2°24	15°31	21°54	25° 4	12° 9	14°R11	15°30	2°48	14°25	M27
T 28	16 46 0	12° 3'48	27°50	18°36	17°45	12°45	2°25	15°27	21°53	25° 2	12°10	14°10	15°27	2°54	14°30	T 28
W29	16 49 57	13° 1'03	10♈10	20°43	18° 2	13°26	2°25	15°22	21°53	25° 1	12°11	14° 8	15°23	3° 1	14°35	W29
T 30	16 53 53	13°58'17	22°18	22°49	18°18	14° 6	2°27	15°18	21°52	24°59	12°13	14° 4	15°20	3° 8	14°41	T 30
F 31	16 57 50	14♊55'31	4♉17	24♊53	18♋32	14♊47	2♎28	15♐13	21♒52	24♐57	12♊14	13♋59	15♋17	3♊14	14♌46	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n46	4s 9	4s54	7n12	2s34	26n59	3n27	19n14	0n19	0n10	1n34	21s29	1n28	15s 0	0s43	22s18	1n10	14n31	7s49	22n37	22n29	16n32	11n14	6s 4
T 2	17 2	0n32	5 4	7 52	2 28	26 58	3 26	19 25	0 20	0 12	1 33	21 28	1 28	15 0	0 43	22 18	1 10	14 31	7 49	22 38	22 29	16 34	11 14	6 4
F 3	17 19	5 9	5 0	8 33	2 22	26 56	3 25	19 35	0 20	0 13	1 33	21 28	1 28	14 59	0 43	22 18	1 10	14 32	7 49	22 39	22 29	16 36	11 14	6 3
S 4	17 35	9 32	4 43	9 16	2 15	26 54	3 24	19 46	0 21	0 14	1 33	21 28	1 28	14 59	0 43	22 18	1 10	14 32	7 49	22 41	22 30	16 38	11 14	6 2
S 5	17 50	13 31	4 13	9 58	2 8	26 51	3 23	19 56	0 21	0 15	1 33	21 27	1 28	14 59	0 43	22 18	1 10	14 32	7 49	22 42	22 30	16 40	11 14	6 1
M 6	18 6	16 59	3 32	10 42	2 0	26 48	3 21	20 6	0 22	0 16	1 32	21 27	1 28	14 59	0 43	22 18	1 10	14 32	7 49	22 43	22 31	16 42	11 14	6 1
T 7	18 21	19 44	2 43	11 26	1 52	26 44	3 19	20 16	0 23	0 17	1 32	21 27	1 28	14 59	0 43	22 18	1 10	14 33	7 49	22 44	22 31	16 44	11 13	6 0
W 8	18 35	21 40	1 46	12 11	1 43	26 40	3 17	20 26	0 23	0 18	1 32	21 26	1 28	14 58	0 43	22 18	1 10	14 33	7 49	22 44	22 31	16 46	11 13	5 59
T 9	18 50	22 39	0 44	12 55	1 34	26 35	3 15	20 35	0 24	0 19	1 32	21 26	1 28	14 58	0 43	22 18	1 10	14 33	7 48	22 44	22 32	16 48	11 13	5 59
F 10	19 4	22 37	0n20	13 40	1 25	26 30	3 13	20 44	0 24	0 20	1 31	21 26	1 28	14 58	0 43	22 18	1 10	14 34	7 48	22 44	22 32	16 50	11 13	5 58
S 11	19 18	21 30	1 25	14 26	1 15	26 25	3 10	20 54	0 25	0 21	1 31	21 25	1 28	14 58	0 43	22 18	1 10	14 34	7 48	22 44	22 33	16 52	11 12	5 57
S 12	19 31	19 21	2 27	15 11	1 5	26 19	3 7	21 3	0 25	0 21	1 31	21 25	1 28	14 58	0 43	22 18	1 10	14 34	7 48	22 44	22 33	16 54	11 12	5 56
M13	19 45	16 12	3 23	15 56	0 54	26 13	3 4	21 11	0 26	0 22	1 31	21 24	1 28	14 58	0 44	22 18	1 10	14 34	7 48	22 44	22 33	16 56	11 12	5 56
T 14	19 57	12 11	4 11	16 40	0 44	26 6	3 0	21 20	0 26	0 22	1 30	21 24	1 28	14 58	0 44	22 18	1 10	14 35	7 48	22 44	22 34	16 58	11 11	5 55
W15	20 10	7 26	4 46	17 24	0 33	25 59	2 57	21 28	0 27	0 23	1 30	21 24	1 28	14 58	0 44	22 17	1 10	14 35	7 48	22 44	22 34	17 0	11 11	5 54
T 16	20 22	2 9	5 6	18 7	0 22	25 52	2 53	21 36	0 28	0 23	1 30	21 23	1 28	14 58	0 44	22 17	1 10	14 35	7 48	22 45	22 34	17 2	11 10	5 54
F 17	20 34	3s26	5 7	18 50	0 12	25 44	2 48	21 44	0 28	0 23	1 30	21 23	1 27	14 58	0 44	22 17	1 10	14 35	7 48	22 45	22 35	17 4	11 10	5 53
S 18	20 45	8 58	4 48	19 31	0 1	25 36	2 44	21 52	0 29	0 24	1 29	21 22	1 27	14 58	0 44	22 17	1 10	14 36	7 48	22 46	22 35	17 6	11 9	5 52
S 19	20 57	14 4	4 9	20 10	0n10	25 28	2 39	22 0	0 29	0 24	1 29	21 22	1 27	14 58	0 44	22 17	1 10	14 36	7 48	22 47	22 36	17 8	11 9	5 52
M20	21 7	18 18	3 11	20 49	0 20	25 19	2 34	22 7	0 30	0 24	1 29	21 22	1 27	14 58	0 44	22 17	1 11	14 36	7 48	22 47	22 36	17 9	11 8	5 51
T 21	21 18	21 16	2 0	21 25	0 31	25 10	2 28	22 14	0 30	0 24	1 29	21 21	1 27	14 58	0 44	22 17	1 11	14 36	7 47	22 47	22 36	17 11	11 7	5 50
W22	21 28	22 42	0 42	21 59	0 40	25 1	2 23	22 21	0 31	0 24	1 28	21 21	1 27	14 58	0 44	22 17	1 11	14 37	7 47	22 48	22 37	17 13	11 7	5 50
T 23	21 38	22 31	0s37	22 31	0 50	24 52	2 17	22 28	0 31	0 24	1 28	21 20	1 27	14 58	0 44	22 17	1 11	14 37	7 47	22 48	22 37	17 15	11 6	5 49
F 24	21 47	20 52	1 52	23 1	0 59	24 42	2 10	22 35	0 32	0 23	1 28	21 20	1 27	14 58	0 44	22 17	1 11	14 37	7 47	22 48	22 37	17 17	11 5	5 48
S 25	21 56	18 2	2 59	23 28	1 8	24 33	2 3	22 41	0 32	0 23	1 27	21 20	1 27	14 58	0 44	22 17	1 11	14 37	7 47	22 47	22 38	17 19	11 5	5 48
S 26	22 4	14 20	3 53	23 52	1 16	24 23	1 56	22 48	0 33	0 23	1 27	21 19	1 27	14 58	0 44	22 17	1 11	14 38	7 47	22 47	22 38	17 21	11 4	5 47
M27	22 13	10 3	4 34	24 14	1 23	24 12	1 49	22 54	0 33	0 22	1 27	21 19	1 27	14 58	0 44	22 17	1 11	14 38	7 47	22 47	22 39	17 23	11 3	5 47
T 28	22 20	5 27	5 0	24 33	1 30	24 2	1 41	22 59	0 34	0 22	1 27	21 18	1 27	14 58	0 44	22 17	1 11	14 38	7 47	22 47	22 39	17 25	11 2	5 46
W29	22 28	0 44	5 12	24 49	1 36	23 52	1 33	23 5	0 34	0 21	1 26	21 18	1 27	14 58	0 44	22 17	1 11	14 38	7 47	22 48	22 39	17 27	11 1	5 45
T 30	22 35	3n56	5 9	25 2	1 41	23 41	1 24	23 10	0 35	0 20	1 26	21 18	1 27	14 59	0 44	22 17	1 11	14 38	7 47	22 48	22 40	17 29	11 0	5 45
F 31	22n41	8n24	4s53	25n13	1n46	23n30	1n16	23n16	0n35	0n20	1n26	21s17	1n27	14s59	0s44	22s17	1n11	14n39	7s47	22n49	22n40	17n31	10n59	5s44

Julian Day Number = 2145963.5, Delta T = 14m45s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'30, Lahiri = 12°11'30 Julian Calendar 1 May 1163 == Greg. Calendar 8 May 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

JUNE 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 1 47	15♊52'45	16♉11	26♊56	18♋44	15♊27	2♎29	15°R 9	21°R51	24°R56	12♊16	13°R54	15♋14	3♊21	14♌51	S 1
S 2	17 5 43	16°49'58	28° 1	28°56	18°54	16° 7	2°31	15♐ 5	21♒51	24♐54	12°17	13♋50	15°11	3°28	14°57	S 2
M 3	17 9 40	17°47'12	9♊50	0♋55	19° 1	16°48	2°32	15° 0	21°50	24°53	12°18	13°46	15° 8	3°34	15° 2	M 3
T 4	17 13 36	18°44'25	21°40	2°51	19° 7	17°28	2°34	14°56	21°50	24°51	12°20	13°43	15° 4	3°41	15° 8	T 4
W 5	17 17 33	19°41'37	3♋33	4°46	19°10	18° 8	2°36	14°51	21°49	24°49	12°21	13°41	15° 1	3°48	15°13	W 5
T 6	17 21 29	20°38'49	15°32	6°38	19°R11	18°48	2°39	14°47	21°48	24°48	12°23	13°D41	14°58	3°54	15°19	T 6
F 7	17 25 26	21°36'01	27°39	8°29	19°10	19°28	2°41	14°43	21°47	24°46	12°24	13°42	14°55	4° 1	15°25	F 7
S 8	17 29 23	22°33'13	9♌56	10°17	19° 6	20° 8	2°44	14°38	21°47	24°45	12°25	13°43	14°52	4° 8	15°31	S 8
S 9	17 33 19	23°30'24	22°26	12° 2	19° 0	20°49	2°47	14°34	21°46	24°43	12°27	13°44	14°49	4°14	15°37	S 9
M10	17 37 16	24°27'34	5♍14	13°46	18°51	21°29	2°49	14°30	21°45	24°41	12°28	13°46	14°45	4°21	15°43	M10
T 11	17 41 12	25°24'44	18°20	15°28	18°40	22° 9	2°53	14°25	21°44	24°40	12°30	13°46	14°42	4°28	15°49	T 11
W12	17 45 9	26°21'54	1♎50	17° 7	18°27	22°49	2°56	14°21	21°43	24°38	12°31	13°R46	14°39	4°34	15°55	W12
T 13	17 49 5	27°19'03	15°43	18°44	18°11	23°28	2°59	14°17	21°42	24°37	12°32	13°46	14°36	4°41	16° 1	T 13
F 14	17 53 2	28°16'12	29°59	20°19	17°53	24° 8	3° 3	14°13	21°41	24°35	12°34	13°44	14°33	4°48	16° 8	F 14
S 15	17 56 58	29°13'21	14♏38	21°51	17°33	24°48	3° 7	14° 8	21°40	24°33	12°35	13°43	14°29	4°54	16°14	S 15
S 16	18 0 55	0♋10'29	29°33	23°22	17°10	25°28	3°11	14° 4	21°38	24°32	12°37	13°41	14°26	5° 1	16°20	S 16
M17	18 4 52	1° 7'38	14♐37	24°50	16°45	26° 8	3°15	14° 0	21°37	24°30	12°38	13°40	14°23	5° 8	16°27	M17
T 18	18 8 48	2° 4'46	29°42	26°16	16°19	26°47	3°19	13°56	21°36	24°28	12°39	13°39	14°20	5°14	16°33	T 18
W19	18 12 45	3° 1'55	14♑39	27°39	15°50	27°27	3°23	13°52	21°35	24°27	12°41	13°D39	14°17	5°21	16°40	W19
T 20	18 16 41	3°59'04	29°19	29° 0	15°20	28° 7	3°28	13°48	21°33	24°25	12°42	13°39	14°14	5°28	16°46	T 20
F 21	18 20 38	4°56'13	13♒38	0♌19	14°48	28°46	3°33	13°44	21°32	24°24	12°43	13°40	14°10	5°34	16°53	F 21
S 22	18 24 34	5°53'23	27°30	1°35	14°14	29°26	3°38	13°40	21°30	24°22	12°45	13°40	14° 7	5°41	17° 0	S 22
S 23	18 28 31	6°50'33	10♓57	2°49	13°40	0♋ 6	3°43	13°36	21°29	24°21	12°46	13°41	14° 4	5°48	17° 7	S 23
M24	18 32 27	7°47'43	23°59	4° 1	13° 4	0°45	3°48	13°32	21°28	24°19	12°47	13°41	14° 1	5°55	17°13	M24
T 25	18 36 24	8°44'54	6♈38	5° 9	12°27	1°25	3°53	13°29	21°26	24°17	12°48	13°R42	13°58	6° 1	17°20	T 25
W26	18 40 21	9°42'06	18°59	6°15	11°50	2° 4	3°59	13°25	21°24	24°16	12°50	13°41	13°55	6° 8	17°27	W26
T 27	18 44 17	10°39'18	1♉ 5	7°18	11°13	2°44	4° 4	13°21	21°23	24°14	12°51	13°41	13°51	6°15	17°34	T 27
F 28	18 48 14	11°36'31	13° 2	8°19	10°36	3°23	4°10	13°18	21°21	24°13	12°52	13°41	13°48	6°21	17°41	F 28
S 29	18 52 10	12°33'45	24°53	9°16	9°58	4° 2	4°16	13°14	21°19	24°11	12°54	13°41	13°45	6°28	17°48	S 29
S 30	18 56 7	13♋30'59	6♊42	10♌10	9♋22	4♋42	4♎22	13♐10	21♒18	24♐10	12♊55	13°D41	13♋42	6♊35	17♌55	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n48	12n31	4s25	25n21	1n50	23n19	1n 6	23n21	0n36	0n19	1n26	21s17	1n27	14s59	0s44	22s16	1n11	14n39	7s47	22n49	22n40	17n33	10n58	5s43
S 2	22 54	16 9	3 45	25 26	1 53	23 9	0 57	23 25	0 36	0 18	1 25	21 16	1 27	14 59	0 44	22 16	1 11	14 39	7 47	22 50	22 41	17 34	10 57	5 43
M 3	22 59	19 8	2 55	25 28	1 56	22 58	0 47	23 30	0 37	0 17	1 25	21 16	1 27	14 59	0 44	22 16	1 11	14 39	7 47	22 50	22 41	17 36	10 56	5 42
T 4	23 4	21 19	1 58	25 28	1 57	22 46	0 36	23 34	0 37	0 16	1 25	21 16	1 26	15 0	0 44	22 16	1 11	14 39	7 47	22 50	22 41	17 38	10 55	5 42
W 5	23 9	22 34	0 55	25 26	1 58	22 35	0 25	23 39	0 38	0 15	1 24	21 15	1 26	15 0	0 44	22 16	1 11	14 40	7 47	22 50	22 42	17 40	10 54	5 41
T 6	23 13	22 48	0n10	25 21	1 59	22 24	0 14	23 43	0 38	0 14	1 24	21 15	1 26	15 0	0 44	22 16	1 10	14 40	7 47	22 50	22 42	17 42	10 53	5 41
F 7	23 17	21 58	1 16	25 15	1 58	22 13	0 3	23 46	0 39	0 13	1 24	21 14	1 26	15 0	0 44	22 16	1 10	14 40	7 47	22 50	22 43	17 44	10 52	5 40
S 8	23 20	20 5	2 20	25 6	1 57	22 2	0s 9	23 50	0 39	0 11	1 24	21 14	1 26	15 1	0 45	22 16	1 10	14 40	7 47	22 50	22 43	17 46	10 51	5 39
S 9	23 23	17 13	3 18	24 55	1 56	21 50	0 21	23 53	0 40	0 10	1 23	21 14	1 26	15 1	0 45	22 16	1 10	14 40	7 47	22 50	22 43	17 48	10 50	5 39
M10	23 26	13 28	4 8	24 42	1 53	21 39	0 34	23 57	0 40	0 9	1 23	21 13	1 26	15 1	0 45	22 16	1 10	14 41	7 47	22 50	22 44	17 49	10 48	5 38
T 11	23 28	9 0	4 46	24 28	1 50	21 28	0 47	23 59	0 41	0 7	1 23	21 13	1 26	15 2	0 45	22 16	1 10	14 41	7 47	22 50	22 44	17 51	10 47	5 38
W12	23 30	4 0	5 9	24 12	1 47	21 17	1 0	24 2	0 41	0 5	1 23	21 12	1 26	15 2	0 45	22 16	1 10	14 41	7 47	22 50	22 44	17 53	10 46	5 37
T 13	23 31	1s21	5 16	23 55	1 42	21 6	1 13	24 5	0 42	0 4	1 22	21 12	1 26	15 2	0 45	22 16	1 10	14 41	7 47	22 50	22 45	17 55	10 45	5 37
F 14	23 32	6 47	5 4	23 37	1 37	20 54	1 27	24 7	0 42	0 2	1 22	21 12	1 25	15 3	0 45	22 16	1 10	14 41	7 47	22 50	22 45	17 57	10 43	5 36
S 15	23 33	11 59	4 31	23 17	1 32	20 43	1 41	24 9	0 43	0 0	1 22	21 11	1 25	15 3	0 45	22 16	1 10	14 42	7 47	22 50	22 45	17 59	10 42	5 36
S 16	23 33	16 33	3 41	22 56	1 26	20 32	1 55	24 11	0 43	0s 1	1 21	21 11	1 25	15 4	0 45	22 16	1 10	14 42	7 47	22 50	22 46	18 1	10 41	5 35
M17	23 33	20 6	2 34	22 34	1 20	20 21	2 9	24 13	0 44	0 3	1 21	21 11	1 25	15 4	0 45	22 16	1 10	14 42	7 47	22 51	22 46	18 3	10 39	5 35
T 18	23 32	22 16	1 17	22 11	1 12	20 10	2 23	24 15	0 44	0 5	1 21	21 10	1 25	15 5	0 45	22 16	1 10	14 42	7 47	22 51	22 46	18 4	10 38	5 34
W19	23 31	22 50	0s 6	21 47	1 5	20 0	2 38	24 16	0 45	0 7	1 21	21 10	1 25	15 5	0 45	22 16	1 10	14 42	7 47	22 51	22 47	18 6	10 36	5 34
T 20	23 29	21 47	1 26	21 23	0 57	19 49	2 52	24 17	0 45	0 9	1 20	21 9	1 25	15 5	0 45	22 15	1 10	14 42	7 47	22 51	22 47	18 8	10 35	5 33
F 21	23 27	19 20	2 39	20 58	0 48	19 39	3 6	24 18	0 45	0 11	1 20	21 9	1 25	15 6	0 45	22 15	1 10	14 42	7 47	22 51	22 47	18 10	10 33	5 33
S 22	23 25	15 50	3 40	20 32	0 39	19 28	3 20	24 19	0 46	0 14	1 20	21 9	1 24	15 6	0 45	22 15	1 10	14 43	7 47	22 50	22 48	18 12	10 32	5 32
S 23	23 22	11 36	4 27	20 6	0 30	19 18	3 34	24 19	0 46	0 16	1 20	21 8	1 24	15 7	0 45	22 15	1 10	14 43	7 47	22 50	22 48	18 14	10 30	5 32
M24	23 19	6 58	4 59	19 40	0 20	19 8	3 47	24 19	0 47	0 18	1 19	21 8	1 24	15 7	0 45	22 15	1 10	14 43	7 47	22 50	22 48	18 15	10 28	5 32
T 25	23 15	2 10	5 15	19 13	0 10	18 58	4 0	24 20	0 47	0 20	1 19	21 8	1 24	15 8	0 45	22 15	1 10	14 43	7 47	22 50	22 49	18 17	10 27	5 31
W26	23 11	2n36	5 16	18 47	0s 1	18 49	4 13	24 20	0 48	0 23	1 19	21 7	1 24	15 9	0 45	22 15	1 10	14 43	7 47	22 50	22 49	18 19	10 25	5 31
T 27	23 7	7 10	5 3	18 20	0 12	18 40	4 26	24 19	0 48	0 25	1 19	21 7	1 24	15 9	0 45	22 15	1 10	14 43	7 47	22 50	22 49	18 21	10 23	5 30
F 28	23 2	11 25	4 37	17 54	0 23	18 31	4 38	24 19	0 49	0 28	1 18	21 7	1 24	15 10	0 45	22 15	1 10	14 43	7 47	22 50	22 50	18 23	10 22	5 30
S 29	22 57	15 12	3 59	17 27	0 35	18 22	4 49	24 18	0 49	0 30	1 18	21 7	1 23	15 10	0 45	22 15	1 10	14 43	7 47	22 50	22 50	18 25	10 20	5 29
S 30	22n51	18n23	3s11	17n 1	0s47	18n14	5s 0	24n17	0n49	0s33	1n18	21s 6	1n23	15s11	0s45	22s15	1n10	14n44	7s47	22n50	22n50	18n26	10n18	5s29

Julian Day Number = 2145994.5, Delta T = 14m44s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'34, Lahiri = 12°11'34 Julian Calendar 1 June 1163 == Greg. Calendar 8 June 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

JULY 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 0 3	14♋28'14	18♊32	11♌ 1	8°R45	5♋21	4♎28	13°R 7	21°R16	24°R 8	12♊56	13♋41	13♋39	6♊41	18♌ 3	M 1
T 2	19 4 0	15°25'30	0♋27	11°49	8♋10	6° 0	4°35	13♐ 4	21♒14	24♐ 7	12°57	13°41	13°35	6°48	18°10	T 2
W 3	19 7 56	16°22'46	12°28	12°33	7°36	6°40	4°41	13° 0	21°12	24° 5	12°59	13°R41	13°32	6°55	18°17	W 3
T 4	19 11 53	17°20'03	24°38	13°14	7° 2	7°19	4°48	12°57	21°11	24° 4	13° 0	13°41	13°29	7° 1	18°24	T 4
F 5	19 15 50	18°17'21	6♌59	13°51	6°31	7°58	4°54	12°54	21° 9	24° 2	13° 1	13°41	13°26	7° 8	18°32	F 5
S 6	19 19 46	19°14'39	19°31	14°23	6° 1	8°37	5° 1	12°51	21° 7	24° 1	13° 2	13°40	13°23	7°15	18°39	S 6
S 7	19 23 43	20°11'58	2♍17	14°52	5°32	9°16	5° 8	12°48	21° 5	24° 0	13° 3	13°39	13°20	7°21	18°46	S 7
M 8	19 27 39	21° 9'17	15°17	15°17	5° 6	9°55	5°16	12°45	21° 3	23°58	13° 4	13°39	13°16	7°28	18°54	M 8
T 9	19 31 36	22° 6'37	28°33	15°36	4°42	10°34	5°23	12°42	21° 1	23°57	13° 6	13°38	13°13	7°35	19° 1	T 9
W10	19 35 32	23° 3'57	12♎ 5	15°52	4°19	11°14	5°30	12°39	20°59	23°55	13° 7	13°37	13°10	7°41	19° 9	W10
T 11	19 39 29	24° 1'18	25°54	16° 2	3°59	11°53	5°38	12°36	20°57	23°54	13° 8	13°D37	13° 7	7°48	19°16	T 11
F 12	19 43 25	24°58'39	10♏ 0	16° 8	3°41	12°31	5°45	12°34	20°55	23°53	13° 9	13°37	13° 4	7°55	19°24	F 12
S 13	19 47 22	25°56'01	24°22	16°R 8	3°26	13°10	5°53	12°31	20°53	23°51	13°10	13°38	13° 1	8° 1	19°32	S 13
S 14	19 51 19	26°53'24	8♐56	16° 3	3°13	13°49	6° 1	12°28	20°51	23°50	13°11	13°39	12°57	8° 8	19°39	S 14
M15	19 55 15	27°50'48	23°38	15°53	3° 2	14°28	6° 9	12°26	20°49	23°49	13°12	13°40	12°54	8°15	19°47	M15
T 16	19 59 12	28°48'12	8♑22	15°38	2°53	15° 7	6°17	12°24	20°46	23°48	13°13	13°R40	12°51	8°21	19°55	T 16
W17	20 3 8	29°45'37	23° 3	15°18	2°47	15°46	6°26	12°21	20°44	23°46	13°14	13°40	12°48	8°28	20° 3	W17
T 18	20 7 5	0♒43'03	7♒32	14°52	2°44	16°25	6°34	12°19	20°42	23°45	13°15	13°39	12°45	8°35	20°10	T 18
F 19	20 11 1	1°40'30	21°45	14°22	2°D42	17° 3	6°42	12°17	20°40	23°44	13°16	13°38	12°41	8°41	20°18	F 19
S 20	20 14 58	2°37'59	5♓37	13°47	2°43	17°42	6°51	12°15	20°38	23°43	13°17	13°35	12°38	8°48	20°26	S 20
S 21	20 18 54	3°35'28	19° 6	13° 8	2°47	18°21	7° 0	12°13	20°35	23°42	13°18	13°33	12°35	8°55	20°34	S 21
M22	20 22 51	4°32'59	2♈11	12°26	2°52	19° 0	7° 9	12°11	20°33	23°40	13°19	13°30	12°32	9° 1	20°42	M22
T 23	20 26 48	5°30'31	14°53	11°40	3° 0	19°38	7°17	12° 9	20°31	23°39	13°20	13°28	12°29	9° 8	20°50	T 23
W24	20 30 44	6°28'05	27°16	10°53	3°10	20°17	7°27	12° 8	20°29	23°38	13°21	13°26	12°26	9°15	20°57	W24
T 25	20 34 41	7°25'41	9♉24	10° 3	3°22	20°56	7°36	12° 6	20°26	23°37	13°22	13°D26	12°22	9°21	21° 5	T 25
F 26	20 38 37	8°23'17	21°20	9°14	3°36	21°34	7°45	12° 5	20°24	23°36	13°23	13°27	12°19	9°28	21°13	F 26
S 27	20 42 34	9°20'56	3♊11	8°24	3°53	22°13	7°54	12° 3	20°22	23°35	13°24	13°28	12°16	9°35	21°21	S 27
S 28	20 46 30	10°18'36	15° 0	7°36	4°11	22°51	8° 4	12° 2	20°19	23°34	13°25	13°30	12°13	9°41	21°29	S 28
M29	20 50 27	11°16'18	26°53	6°51	4°30	23°30	8°13	12° 1	20°17	23°33	13°26	13°31	12°10	9°48	21°37	M29
T 30	20 54 23	12°14'01	8♋53	6° 8	4°52	24° 8	8°23	11°59	20°15	23°32	13°26	13°R32	12° 7	9°55	21°45	T 30
W31	20 58 20	13♌11'45	21♋ 3	5♌30	5♋15	24♋47	8♎33	11♐58	20♒12	23♐31	13♊27	13♋32	12♋ 3	10♊ 1	21♌53	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n45	20n48	2s15	16n36	0s59	18n 6	5s10	24n16	0n50	0s36	1n18	21s 6	1n23	15s11	0s45	22s15	1n10	14n44	7s47	22n50	22n51	18n28	10n17	5s29
T 2	22 39	22 20	1 13	16 10	1 12	17 59	5 20	24 15	0 50	0 39	1 17	21 6	1 23	15 12	0 45	22 15	1 10	14 44	7 47	22 50	22 51	18 30	10 15	5 28
W 3	22 32	22 51	0 7	15 46	1 24	17 52	5 29	24 13	0 51	0 41	1 17	21 5	1 23	15 13	0 45	22 15	1 10	14 44	7 47	22 50	22 51	18 32	10 13	5 28
T 4	22 25	22 17	1n 0	15 22	1 37	17 45	5 37	24 12	0 51	0 44	1 17	21 5	1 23	15 13	0 45	22 15	1 10	14 44	7 47	22 50	22 52	18 34	10 11	5 27
F 5	22 18	20 38	2 6	14 59	1 51	17 39	5 45	24 10	0 52	0 47	1 17	21 5	1 23	15 14	0 45	22 15	1 10	14 44	7 47	22 50	22 52	18 35	10 9	5 27
S 6	22 10	17 58	3 6	14 37	2 4	17 33	5 51	24 8	0 52	0 50	1 17	21 5	1 22	15 14	0 45	22 15	1 10	14 44	7 47	22 51	22 52	18 37	10 7	5 27
S 7	22 1	14 25	3 58	14 16	2 17	17 28	5 58	24 6	0 52	0 53	1 16	21 4	1 22	15 15	0 45	22 15	1 10	14 44	7 47	22 51	22 53	18 39	10 5	5 26
M 8	21 52	10 7	4 39	13 56	2 30	17 24	6 3	24 3	0 53	0 56	1 16	21 4	1 22	15 16	0 45	22 15	1 10	14 44	7 47	22 51	22 53	18 41	10 3	5 26
T 9	21 43	5 15	5 6	13 37	2 44	17 20	6 8	24 0	0 53	0 59	1 16	21 4	1 22	15 16	0 45	22 15	1 10	14 44	7 47	22 51	22 53	18 43	10 2	5 26
W10	21 34	0 4	5 17	13 20	2 57	17 16	6 12	23 58	0 54	1 2	1 16	21 4	1 22	15 17	0 45	22 15	1 10	14 44	7 48	22 51	22 54	18 44	10 0	5 25
T 11	21 24	5s15	5 10	13 5	3 10	17 13	6 16	23 55	0 54	1 6	1 15	21 4	1 22	15 18	0 45	22 15	1 10	14 45	7 48	22 51	22 54	18 46	9 58	5 25
F 12	21 14	10 23	4 44	12 51	3 22	17 11	6 19	23 51	0 54	1 9	1 15	21 4	1 21	15 18	0 45	22 15	1 10	14 45	7 48	22 51	22 54	18 48	9 56	5 25
S 13	21 3	15 4	4 0	12 39	3 35	17 9	6 21	23 48	0 55	1 12	1 15	21 3	1 21	15 19	0 46	22 15	1 10	14 45	7 48	22 51	22 54	18 50	9 53	5 24
S 14	20 52	18 55	3 1	12 30	3 46	17 8	6 23	23 44	0 55	1 15	1 15	21 3	1 21	15 20	0 46	22 14	1 10	14 45	7 48	22 51	22 55	18 51	9 51	5 24
M15	20 41	21 35	1 49	12 22	3 57	17 7	6 24	23 41	0 56	1 19	1 15	21 3	1 21	15 20	0 46	22 14	1 10	14 45	7 48	22 51	22 55	18 53	9 49	5 24
T 16	20 30	22 48	0 29	12 16	4 8	17 6	6 25	23 37	0 56	1 22	1 14	21 3	1 21	15 21	0 46	22 14	1 10	14 45	7 48	22 50	22 55	18 55	9 47	5 24
W17	20 18	22 25	0s52	12 13	4 17	17 6	6 25	23 33	0 56	1 26	1 14	21 3	1 21	15 22	0 46	22 14	1 10	14 45	7 48	22 50	22 56	18 57	9 45	5 23
T 18	20 5	20 32	2 8	12 12	4 26	17 7	6 24	23 28	0 57	1 29	1 14	21 3	1 20	15 23	0 46	22 14	1 10	14 45	7 48	22 51	22 56	18 58	9 43	5 23
F 19	19 53	17 24	3 15	12 14	4 33	17 8	6 24	23 24	0 57	1 33	1 14	21 3	1 20	15 23	0 46	22 14	1 10	14 45	7 48	22 51	22 56	19 0	9 41	5 23
S 20	19 40	13 21	4 9	12 18	4 39	17 9	6 22	23 19	0 58	1 36	1 14	21 3	1 20	15 24	0 46	22 14	1 10	14 45	7 48	22 51	22 57	19 2	9 39	5 22
S 21	19 26	8 44	4 47	12 25	4 44	17 11	6 21	23 14	0 58	1 40	1 13	21 2	1 20	15 25	0 46	22 14	1 10	14 45	7 48	22 51	22 57	19 4	9 36	5 22
M22	19 13	3 51	5 9	12 33	4 47	17 13	6 19	23 9	0 58	1 44	1 13	21 2	1 20	15 26	0 46	22 14	1 9	14 45	7 48	22 52	22 57	19 5	9 34	5 22
T 23	18 59	1n 3	5 15	12 45	4 48	17 15	6 16	23 4	0 59	1 47	1 13	21 2	1 19	15 26	0 46	22 14	1 9	14 45	7 49	22 52	22 58	19 7	9 32	5 22
W24	18 44	5 47	5 6	12 58	4 48	17 17	6 13	22 59	0 59	1 51	1 13	21 2	1 19	15 27	0 46	22 14	1 9	14 45	7 49	22 52	22 58	19 9	9 30	5 21
T 25	18 30	10 12	4 43	13 13	4 46	17 20	6 10	22 53	0 59	1 55	1 13	21 2	1 19	15 28	0 46	22 14	1 9	14 45	7 49	22 52	22 58	19 11	9 27	5 21
F 26	18 15	14 10	4 9	13 30	4 41	17 23	6 7	22 48	1 0	1 59	1 12	21 2	1 19	15 29	0 46	22 14	1 9	14 45	7 49	22 52	22 58	19 12	9 25	5 21
S 27	18 0	17 33	3 24	13 49	4 35	17 26	6 3	22 42	1 0	2 3	1 12	21 2	1 19	15 29	0 46	22 14	1 9	14 45	7 49	22 52	22 59	19 14	9 23	5 21
S 28	17 44	20 12	2 30	14 8	4 28	17 30	5 59	22 36	1 1	2 7	1 12	21 2	1 19	15 30	0 46	22 14	1 9	14 45	7 49	22 52	22 59	19 16	9 20	5 21
M29	17 28	22 0	1 30	14 29	4 18	17 33	5 55	22 30	1 1	2 11	1 12	21 2	1 18	15 31	0 46	22 14	1 9	14 45	7 49	22 51	22 59	19 17	9 18	5 20
T 30	17 12	22 49	0 26	14 50	4 7	17 37	5 51	22 23	1 1	2 15	1 12	21 2	1 18	15 32	0 46	22 14	1 9	14 45	7 49	22 51	23 0	19 19	9 16	5 20
W31	16n56	22n34	0n41	15n12	3s54	17n40	5s46	22n17	1n 2	2s19	1n11	21s 2	1n18	15s32	0s46	22s14	1n 9	14n45	7s49	22n51	23n 0	19n21	9n13	5s20

Julian Day Number = 2146024.5, Delta T = 14m44s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'38, Lahiri = 12°11'38 Julian Calendar 1 July 1163 == Greg. Calendar 8 July 1163

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1163
geocentric

AUGUST 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 2 17	14♌ 9'32	3♌26	4°R57	5♋41	25♋25	8♎42	11°R58	20°R10	23°R30	13♊28	13°R31	12♋ 0	10♊ 8	22♌ 1	T 1
F 2	21 6 13	15° 7'19	16° 4	4♌29	6° 7	26° 4	8°52	11♐57	20♒ 7	23♐30	13°29	13♋28	11°57	10°15	22°10	F 2
S 3	21 10 10	16° 5'08	28°57	4° 8	6°35	26°42	9° 2	11°56	20° 5	23°29	13°30	13°23	11°54	10°21	22°18	S 3
S 4	21 14 6	17° 2'59	12♍ 4	3°54	7° 5	27°20	9°13	11°55	20° 3	23°28	13°30	13°18	11°51	10°28	22°26	S 4
M 5	21 18 3	18° 0'51	25°26	3°D47	7°36	27°59	9°23	11°55	20° 0	23°27	13°31	13°12	11°47	10°35	22°34	M 5
T 6	21 21 59	18°58'44	9♎ 1	3°48	8° 9	28°37	9°33	11°54	19°58	23°26	13°32	13° 7	11°44	10°41	22°42	T 6
W 7	21 25 56	19°56'38	22°46	3°56	8°43	29°15	9°43	11°54	19°55	23°26	13°32	13° 3	11°41	10°48	22°50	W 7
T 8	21 29 52	20°54'34	6♏41	4°13	9°18	29°54	9°54	11°54	19°53	23°25	13°33	13° 1	11°38	10°55	22°58	T 8
F 9	21 33 49	21°52'32	20°45	4°38	9°55	0♌32	10° 4	11°53	19°51	23°24	13°34	13°D 0	11°35	11° 1	23° 6	F 9
S 10	21 37 46	22°50'30	4♐55	5°10	10°32	1°10	10°15	11°D53	19°48	23°24	13°34	13° 0	11°32	11° 8	23°14	S 10
S 11	21 41 42	23°48'30	19°10	5°51	11°11	1°48	10°26	11°53	19°46	23°23	13°35	13° 2	11°28	11°15	23°23	S 11
M12	21 45 39	24°46'32	3♑28	6°39	11°51	2°26	10°37	11°53	19°43	23°23	13°35	13° 3	11°25	11°21	23°31	M12
T 13	21 49 35	25°44'34	17°47	7°35	12°32	3° 5	10°47	11°54	19°41	23°22	13°36	13°R 3	11°22	11°28	23°39	T 13
W14	21 53 32	26°42'39	2♒ 2	8°38	13°14	3°43	10°58	11°54	19°39	23°21	13°37	13° 2	11°19	11°35	23°47	W14
T 15	21 57 28	27°40'45	16°10	9°47	13°57	4°21	11° 9	11°54	19°36	23°21	13°37	12°58	11°16	11°41	23°55	T 15
F 16	22 1 25	28°38'52	0♓ 6	11° 3	14°41	4°59	11°21	11°55	19°34	23°21	13°38	12°53	11°13	11°48	24° 3	F 16
S 17	22 5 21	29°37'01	13°46	12°24	15°26	5°37	11°32	11°55	19°32	23°20	13°38	12°45	11° 9	11°55	24°11	S 17
S 18	22 9 18	0♍35'12	27° 8	13°51	16°12	6°15	11°43	11°56	19°29	23°20	13°38	12°37	11° 6	12° 1	24°19	S 18
M19	22 13 15	1°33'25	10♈ 9	15°23	16°59	6°53	11°54	11°57	19°27	23°19	13°39	12°29	11° 3	12° 8	24°27	M19
T 20	22 17 11	2°31'40	22°51	16°58	17°46	7°31	12° 6	11°58	19°25	23°19	13°39	12°22	11° 0	12°15	24°36	T 20
W21	22 21 8	3°29'57	5♉14	18°38	18°35	8° 9	12°17	11°59	19°22	23°19	13°40	12°16	10°57	12°21	24°44	W21
T 22	22 25 4	4°28'16	17°21	20°21	19°24	8°47	12°29	12° 0	19°20	23°18	13°40	12°12	10°53	12°28	24°52	T 22
F 23	22 29 1	5°26'38	29°18	22° 6	20°14	9°25	12°40	12° 1	19°18	23°18	13°40	12°11	10°50	12°35	25° 0	F 23
S 24	22 32 57	6°25'01	11♊ 8	23°54	21° 5	10° 3	12°52	12° 2	19°16	23°18	13°41	12°D11	10°47	12°41	25° 8	S 24
S 25	22 36 54	7°23'27	22°58	25°43	21°56	10°40	13° 3	12° 4	19°13	23°18	13°41	12°11	10°44	12°48	25°16	S 25
M26	22 40 50	8°21'55	4♋52	27°34	22°48	11°18	13°15	12° 5	19°11	23°18	13°41	12°12	10°41	12°55	25°24	M26
T 27	22 44 47	9°20'25	16°55	29°25	23°41	11°56	13°27	12° 7	19° 9	23°18	13°42	12°R12	10°38	13° 1	25°32	T 27
W28	22 48 44	10°18'57	29°12	1♍18	24°35	12°34	13°39	12° 8	19° 7	23°18	13°42	12°11	10°34	13° 8	25°40	W28
T 29	22 52 40	11°17'31	11♌46	3°10	25°29	13°12	13°51	12°10	19° 4	23°18	13°42	12° 7	10°31	13°15	25°48	T 29
F 30	22 56 37	12°16'07	24°39	5° 3	26°23	13°49	14° 3	12°12	19° 2	23°D18	13°42	12° 1	10°28	13°21	25°56	F 30
S 31	23 0 33	13♍14'46	7♍52	6♍56	27♋18	14♌27	14♎15	12♐14	19♒ 0	23♐18	13♊42	11♋52	10♋25	13♊28	26♌ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n39	21n12	1n47	15n34	3s40	17n44	5s42	22n10	1n 2	2s23	1n11	21s 2	1n18	15s33	0s46	22s14	1n 9	14n45	7s49	22n51	23n 0	19n23	9n11	5s20
F 2	16 22	18 46	2 49	15 55	3 25	17 48	5 37	22 3	1 2	2 27	1 11	21 3	1 18	15 34	0 46	22 14	1 9	14 45	7 50	22 52	23 0	19 24	9 9	5 20
S 3	16 5	15 22	3 43	16 15	3 9	17 52	5 32	21 56	1 3	2 31	1 11	21 3	1 17	15 35	0 46	22 14	1 9	14 45	7 50	22 52	23 1	19 26	9 6	5 20
S 4	15 48	11 10	4 26	16 35	2 52	17 55	5 27	21 49	1 3	2 35	1 11	21 3	1 17	15 35	0 46	22 14	1 9	14 45	7 50	22 53	23 1	19 28	9 4	5 19
M 5	15 30	6 21	4 56	16 54	2 34	17 59	5 21	21 42	1 3	2 39	1 11	21 3	1 17	15 36	0 46	22 14	1 9	14 45	7 50	22 53	23 1	19 29	9 1	5 19
T 6	15 12	1 10	5 10	17 11	2 16	18 3	5 16	21 34	1 4	2 43	1 10	21 3	1 17	15 37	0 46	22 14	1 9	14 45	7 50	22 54	23 2	19 31	8 59	5 19
W 7	14 54	4s 9	5 7	17 26	1 58	18 6	5 10	21 27	1 4	2 48	1 10	21 3	1 17	15 38	0 46	22 14	1 9	14 45	7 50	22 54	23 2	19 33	8 56	5 19
T 8	14 35	9 19	4 45	17 40	1 40	18 9	5 5	21 19	1 5	2 52	1 10	21 3	1 16	15 38	0 46	22 14	1 9	14 45	7 50	22 54	23 2	19 34	8 54	5 19
F 9	14 17	14 4	4 6	17 51	1 23	18 13	4 59	21 11	1 5	2 56	1 10	21 3	1 16	15 39	0 46	22 14	1 9	14 45	7 50	22 55	23 2	19 36	8 51	5 19
S 10	13 58	18 4	3 12	18 0	1 5	18 16	4 53	21 3	1 5	3 1	1 10	21 4	1 16	15 40	0 46	22 14	1 9	14 45	7 50	22 54	23 3	19 38	8 49	5 19
S 11	13 39	21 0	2 6	18 7	0 48	18 18	4 47	20 55	1 6	3 5	1 10	21 4	1 16	15 41	0 46	22 14	1 9	14 45	7 51	22 54	23 3	19 39	8 46	5 19
M12	13 19	22 38	0 52	18 11	0 32	18 21	4 41	20 46	1 6	3 9	1 9	21 4	1 16	15 41	0 46	22 14	1 9	14 45	7 51	22 54	23 3	19 41	8 44	5 18
T 13	13 0	22 47	0s26	18 12	0 16	18 23	4 35	20 38	1 6	3 14	1 9	21 4	1 15	15 42	0 46	22 14	1 9	14 45	7 51	22 54	23 4	19 43	8 41	5 18
W14	12 40	21 26	1 41	18 10	0 1	18 26	4 29	20 29	1 7	3 18	1 9	21 4	1 15	15 43	0 46	22 14	1 9	14 45	7 51	22 54	23 4	19 44	8 39	5 18
T 15	12 20	18 45	2 49	18 6	0n14	18 27	4 23	20 21	1 7	3 23	1 9	21 5	1 15	15 44	0 46	22 14	1 9	14 45	7 51	22 55	23 4	19 46	8 36	5 18
F 16	12 0	15 1	3 47	17 58	0 27	18 29	4 17	20 12	1 7	3 27	1 9	21 5	1 15	15 44	0 46	22 14	1 8	14 44	7 51	22 55	23 4	19 48	8 33	5 18
S 17	11 39	10 33	4 29	17 47	0 39	18 30	4 10	20 3	1 8	3 32	1 9	21 5	1 15	15 45	0 46	22 14	1 8	14 44	7 51	22 56	23 5	19 49	8 31	5 18
S 18	11 19	5 40	4 56	17 33	0 51	18 31	4 4	19 53	1 8	3 36	1 9	21 6	1 14	15 46	0 46	22 14	1 8	14 44	7 51	22 57	23 5	19 51	8 28	5 18
M19	10 58	0 40	5 7	17 16	1 1	18 32	3 58	19 44	1 8	3 41	1 8	21 6	1 14	15 47	0 46	22 14	1 8	14 44	7 52	22 57	23 5	19 53	8 26	5 18
T 20	10 37	4n15	5 2	16 56	1 10	18 32	3 51	19 35	1 9	3 45	1 8	21 6	1 14	15 47	0 46	22 14	1 8	14 44	7 52	22 58	23 5	19 54	8 23	5 18
W21	10 16	8 52	4 43	16 33	1 18	18 32	3 45	19 25	1 9	3 50	1 8	21 6	1 14	15 48	0 46	22 14	1 8	14 44	7 52	22 59	23 6	19 56	8 20	5 18
T 22	9 55	13 4	4 12	16 7	1 26	18 32	3 39	19 16	1 9	3 54	1 8	21 7	1 14	15 49	0 46	22 15	1 8	14 44	7 52	22 59	23 6	19 58	8 18	5 18
F 23	9 33	16 41	3 30	15 39	1 32	18 31	3 32	19 6	1 10	3 59	1 8	21 7	1 13	15 50	0 46	22 15	1 8	14 44	7 52	22 59	23 6	19 59	8 15	5 18
S 24	9 12	19 35	2 39	15 8	1 37	18 30	3 26	18 56	1 10	4 4	1 8	21 7	1 13	15 50	0 46	22 15	1 8	14 44	7 52	22 59	23 6	20 1	8 12	5 18
S 25	8 50	21 40	1 42	14 35	1 41	18 28	3 19	18 46	1 10	4 8	1 8	21 8	1 13	15 51	0 46	22 15	1 8	14 44	7 52	22 59	23 7	20 2	8 10	5 18
M26	8 28	22 48	0 39	14 0	1 44	18 26	3 13	18 36	1 10	4 13	1 7	21 8	1 13	15 52	0 46	22 15	1 8	14 44	7 52	22 59	23 7	20 4	8 7	5 18
T 27	8 6	22 53	0n25	13 24	1 47	18 24	3 7	18 25	1 11	4 18	1 7	21 9	1 13	15 52	0 46	22 15	1 8	14 44	7 53	22 59	23 7	20 6	8 4	5 18
W28	7 44	21 52	1 30	12 45	1 48	18 21	3 0	18 15	1 11	4 23	1 7	21 9	1 13	15 53	0 46	22 15	1 8	14 43	7 53	22 59	23 7	20 7	8 2	5 18
T 29	7 22	19 45	2 31	12 5	1 49	18 17	2 54	18 4	1 11	4 27	1 7	21 9	1 12	15 54	0 46	22 15	1 8	14 43	7 53	23 0	23 8	20 9	7 59	5 18
F 30	6 59	16 36	3 27	11 24	1 49	18 14	2 48	17 54	1 12	4 32	1 7	21 10	1 12	15 54	0 46	22 15	1 8	14 43	7 53	23 0	23 8	20 10	7 56	5 18
S 31	6n37	12n33	4n12	10n41	1n49	18n 9	2s41	17n43	1n12	4s37	1n 7	21s10	1n12	15s55	0s46	22s15	1n 8	14n43	7s53	23n 1	23n 8	20n12	7n54	5s18

Julian Day Number = 2146055.5, Delta T = 14m44s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'42, Lahiri = 12°11'43 Julian Calendar 1 Aug. 1163 == Greg. Calendar 8 Aug. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

SEPTEMBER 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 4 30	14♍13'26	21♍24	8♍48	28♋14	15♌ 5	14♎27	12♐16	18°R58	23♐18	13♊43	11°R42	10♋22	13♊35	26♌12	S 1
M 2	23 8 26	15°12'08	5♎12	10°41	29°10	15°43	14°39	12°18	18♒56	23°18	13°43	11♋32	10°18	13°41	26°20	M 2
T 3	23 12 23	16°10'53	19°13	12°32	0♌ 7	16°20	14°51	12°20	18°54	23°18	13°43	11°22	10°15	13°48	26°28	T 3
W 4	23 16 19	17° 9'39	3♏21	14°23	1° 4	16°58	15° 3	12°23	18°52	23°18	13°43	11°14	10°12	13°55	26°36	W 4
T 5	23 20 16	18° 8'27	17°33	16°13	2° 2	17°35	15°16	12°25	18°50	23°18	13°43	11° 8	10° 9	14° 1	26°43	T 5
F 6	23 24 12	19° 7'16	1♐45	18° 3	3° 0	18°13	15°28	12°27	18°48	23°18	13°43	11° 4	10° 6	14° 8	26°51	F 6
S 7	23 28 9	20° 6'08	15°54	19°51	3°59	18°51	15°40	12°30	18°46	23°19	13°R43	11°D 3	10° 3	14°15	26°59	S 7
S 8	23 32 6	21° 5'01	0♑ 0	21°39	4°58	19°28	15°53	12°33	18°44	23°19	13°43	11° 3	9°59	14°21	27° 7	S 8
M 9	23 36 2	22° 3'56	14° 2	23°26	5°58	20° 6	16° 5	12°35	18°42	23°19	13°43	11°R 3	9°56	14°28	27°15	M 9
T 10	23 39 59	23° 2'53	27°58	25°12	6°58	20°43	16°18	12°38	18°40	23°20	13°43	11° 2	9°53	14°35	27°22	T 10
W11	23 43 55	24° 1'52	11♒48	26°57	7°58	21°21	16°30	12°41	18°39	23°20	13°43	10°59	9°50	14°41	27°30	W11
T 12	23 47 52	25° 0'52	25°30	28°42	8°59	21°58	16°43	12°44	18°37	23°20	13°43	10°53	9°47	14°48	27°38	T 12
F 13	23 51 48	25°59'54	9♓ 2	0♎25	10° 0	22°36	16°56	12°47	18°35	23°21	13°43	10°44	9°44	14°55	27°45	F 13
S 14	23 55 45	26°58'58	22°22	2° 7	11° 2	23°13	17° 8	12°51	18°33	23°21	13°43	10°33	9°40	15° 1	27°53	S 14
S 15	23 59 41	27°58'05	5♈28	3°49	12° 4	23°50	17°21	12°54	18°32	23°22	13°42	10°20	9°37	15° 8	28° 0	S 15
M16	0 3 38	28°57'13	18°18	5°30	13° 6	24°28	17°34	12°57	18°30	23°22	13°42	10° 8	9°34	15°14	28° 8	M16
T 17	0 7 35	29°56'24	0♉52	7°10	14° 8	25° 5	17°46	13° 1	18°28	23°23	13°42	9°56	9°31	15°21	28°15	T 17
W18	0 11 31	0♎55'36	13°11	8°49	15°11	25°42	17°59	13° 4	18°27	23°24	13°42	9°46	9°28	15°28	28°23	W18
T 19	0 15 28	1°54'52	25°16	10°28	16°15	26°20	18°12	13° 8	18°25	23°24	13°42	9°38	9°24	15°34	28°30	T 19
F 20	0 19 24	2°54'09	7♊10	12° 5	17°18	26°57	18°25	13°12	18°24	23°25	13°41	9°34	9°21	15°41	28°37	F 20
S 21	0 23 21	3°53'29	19° 0	13°42	18°22	27°34	18°38	13°15	18°22	23°26	13°41	9°31	9°18	15°48	28°45	S 21
S 22	0 27 17	4°52'51	0♋48	15°18	19°26	28°11	18°51	13°19	18°21	23°26	13°41	9°31	9°15	15°54	28°52	S 22
M23	0 31 14	5°52'16	12°41	16°54	20°31	28°49	19° 4	13°23	18°19	23°27	13°40	9°31	9°12	16° 1	28°59	M23
T 24	0 35 10	6°51'43	24°43	18°29	21°36	29°26	19°16	13°27	18°18	23°28	13°40	9°30	9° 9	16° 8	29° 6	T 24
W25	0 39 7	7°51'12	7♌ 2	20° 3	22°41	0♍ 3	19°29	13°31	18°17	23°29	13°40	9°28	9° 5	16°14	29°13	W25
T 26	0 43 4	8°50'43	19°40	21°36	23°46	0°40	19°42	13°35	18°16	23°30	13°39	9°23	9° 2	16°21	29°20	T 26
F 27	0 47 0	9°50'17	2♍42	23° 9	24°52	1°17	19°55	13°40	18°14	23°31	13°39	9°16	8°59	16°28	29°27	F 27
S 28	0 50 57	10°49'53	16° 9	24°41	25°58	1°54	20° 8	13°44	18°13	23°32	13°38	9° 6	8°56	16°34	29°34	S 28
S 29	0 54 53	11°49'31	29°59	26°12	27° 4	2°31	20°22	13°48	18°12	23°33	13°38	8°55	8°53	16°41	29°41	S 29
M30	0 58 50	12♎49'12	14♎12	27♎43	28♌10	3♍ 8	20♎35	13♐53	18♒11	23♐34	13♊37	8♋42	8♋50	16♊48	29♌48	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n14	7n47	4n45	9n58	1n48	18n 5	2s35	17n32	1n12	4s42	1n 7	21s11	1n12	15s56	0s46	22s15	1n 8	14n43	7s53	23n 2	23n 8	20n14	7n51	5s18
M 2	5 51	2 32	5 1	9 14	1 46	18 0	2 29	17 21	1 13	4 47	1 7	21 11	1 12	15 56	0 46	22 15	1 8	14 43	7 53	23 3	23 9	20 15	7 48	5 18
T 3	5 29	2s55	5 0	8 29	1 43	17 54	2 22	17 10	1 13	4 51	1 7	21 12	1 11	15 57	0 46	22 15	1 8	14 43	7 53	23 4	23 9	20 17	7 46	5 18
W 4	5 6	8 17	4 41	7 43	1 40	17 48	2 16	16 59	1 13	4 56	1 6	21 12	1 11	15 58	0 46	22 15	1 8	14 43	7 54	23 4	23 9	20 18	7 43	5 18
T 5	4 43	13 14	4 5	6 57	1 37	17 41	2 10	16 48	1 13	5 1	1 6	21 13	1 11	15 58	0 46	22 15	1 8	14 43	7 54	23 5	23 9	20 20	7 40	5 19
F 6	4 19	17 27	3 13	6 11	1 33	17 34	2 4	16 36	1 14	5 6	1 6	21 13	1 11	15 59	0 46	22 15	1 8	14 42	7 54	23 5	23 10	20 21	7 37	5 19
S 7	3 56	20 39	2 10	5 24	1 29	17 26	1 58	16 25	1 14	5 11	1 6	21 14	1 11	15 59	0 46	22 15	1 7	14 42	7 54	23 5	23 10	20 23	7 35	5 19
S 8	3 33	22 34	0 58	4 37	1 25	17 18	1 52	16 13	1 14	5 16	1 6	21 14	1 10	16 0	0 46	22 15	1 7	14 42	7 54	23 5	23 10	20 25	7 32	5 19
M 9	3 10	23 4	0s16	3 50	1 20	17 10	1 46	16 2	1 15	5 21	1 6	21 15	1 10	16 0	0 46	22 15	1 7	14 42	7 54	23 5	23 10	20 26	7 29	5 19
T 10	2 46	22 6	1 28	3 4	1 15	17 1	1 40	15 50	1 15	5 25	1 6	21 15	1 10	16 1	0 45	22 15	1 7	14 42	7 54	23 5	23 11	20 28	7 26	5 19
W11	2 23	19 49	2 35	2 17	1 9	16 51	1 34	15 38	1 15	5 30	1 6	21 16	1 10	16 2	0 45	22 16	1 7	14 42	7 55	23 5	23 11	20 29	7 24	5 19
T 12	1 59	16 25	3 32	1 30	1 4	16 41	1 28	15 26	1 16	5 35	1 6	21 16	1 10	16 2	0 45	22 16	1 7	14 42	7 55	23 6	23 11	20 31	7 21	5 19
F 13	1 36	12 11	4 17	0 43	0 58	16 30	1 22	15 14	1 16	5 40	1 6	21 17	1 10	16 3	0 45	22 16	1 7	14 42	7 55	23 7	23 11	20 32	7 18	5 20
S 14	1 12	7 25	4 46	0s 3	0 52	16 19	1 16	15 2	1 16	5 45	1 6	21 18	1 9	16 3	0 45	22 16	1 7	14 41	7 55	23 8	23 12	20 34	7 16	5 20
S 15	0 49	2 24	5 0	0 49	0 46	16 8	1 10	14 50	1 16	5 50	1 5	21 18	1 9	16 4	0 45	22 16	1 7	14 41	7 55	23 9	23 12	20 35	7 13	5 20
M16	0 25	2n37	4 58	1 35	0 39	15 56	1 5	14 38	1 17	5 55	1 5	21 19	1 9	16 4	0 45	22 16	1 7	14 41	7 55	23 10	23 12	20 37	7 10	5 20
T 17	0 1	7 26	4 41	2 21	0 33	15 43	0 59	14 26	1 17	6 0	1 5	21 19	1 9	16 5	0 45	22 16	1 7	14 41	7 55	23 10	23 12	20 38	7 8	5 20
W18	0s22	11 52	4 12	3 6	0 26	15 30	0 54	14 13	1 17	6 5	1 5	21 20	1 9	16 5	0 45	22 16	1 7	14 41	7 55	23 11	23 13	20 40	7 5	5 20
T 19	0 46	15 45	3 32	3 51	0 20	15 17	0 48	14 1	1 17	6 10	1 5	21 21	1 9	16 6	0 45	22 16	1 7	14 41	7 56	23 12	23 13	20 41	7 2	5 21
F 20	1 10	18 56	2 42	4 36	0 13	15 3	0 43	13 48	1 18	6 15	1 5	21 21	1 8	16 6	0 45	22 16	1 7	14 40	7 56	23 12	23 13	20 43	6 59	5 21
S 21	1 33	21 19	1 46	5 20	0 6	14 48	0 37	13 35	1 18	6 20	1 5	21 22	1 8	16 6	0 45	22 16	1 7	14 40	7 56	23 12	23 13	20 44	6 57	5 21
S 22	1 57	22 47	0 46	6 4	0s 1	14 33	0 32	13 23	1 18	6 25	1 5	21 23	1 8	16 7	0 45	22 16	1 7	14 40	7 56	23 12	23 13	20 46	6 54	5 21
M23	2 21	23 13	0n17	6 47	0 8	14 18	0 27	13 10	1 19	6 30	1 5	21 23	1 8	16 7	0 45	22 16	1 7	14 40	7 56	23 12	23 14	20 47	6 51	5 21
T 24	2 44	22 35	1 20	7 30	0 14	14 2	0 22	12 57	1 19	6 35	1 5	21 24	1 8	16 8	0 45	22 17	1 7	14 40	7 56	23 12	23 14	20 49	6 49	5 22
W25	3 8	20 51	2 20	8 12	0 21	13 45	0 17	12 44	1 19	6 40	1 5	21 25	1 8	16 8	0 45	22 17	1 7	14 40	7 56	23 12	23 14	20 50	6 46	5 22
T 26	3 31	18 4	3 15	8 54	0 28	13 29	0 12	12 31	1 19	6 45	1 5	21 25	1 7	16 8	0 45	22 17	1 7	14 40	7 56	23 13	23 14	20 52	6 43	5 22
F 27	3 55	14 19	4 2	9 35	0 35	13 11	0 7	12 18	1 20	6 50	1 5	21 26	1 7	16 9	0 45	22 17	1 7	14 39	7 56	23 13	23 14	20 53	6 41	5 22
S 28	4 18	9 44	4 37	10 15	0 42	12 54	0 2	12 5	1 20	6 55	1 5	21 27	1 7	16 9	0 45	22 17	1 6	14 39	7 57	23 14	23 15	20 55	6 38	5 23
S 29	4 42	4 32	4 57	10 55	0 49	12 35	0n 3	11 52	1 20	7 0	1 4	21 27	1 7	16 9	0 45	22 17	1 6	14 39	7 57	23 15	23 15	20 56	6 35	5 23
M30	5s 5	1s 2	4n59	11s35	0s56	12n17	0n 8	11n39	1n20	7s 5	1n 4	21s28	1n 7	16s10	0s45	22s17	1n 6	14n39	7s57	23n16	23n15	20n58	6n33	5s23

Julian Day Number = 2146086.5, Delta T = 14m44s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'46, Lahiri = 12°11'47 Julian Calendar 1 Sept. 1163 == Greg. Calendar 8 Sept. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

OCTOBER 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 2 46	13♎48'54	28♎39	29♎13	29♌17	3♍45	20♎48	13♐57	18°R10	23♐35	13°R37	8°R31	8♋46	16♊54	29♌55	T 1
W 2	1 6 43	14°48'38	13♏14	0♏42	0♍24	4°22	21° 1	14° 2	18♒ 9	23°36	13♊36	8♋21	8°43	17° 1	0♍ 2	W 2
T 3	1 10 39	15°48'25	27°50	2°11	1°31	4°59	21°14	14° 7	18° 8	23°37	13°36	8°13	8°40	17° 8	0° 8	T 3
F 4	1 14 36	16°48'13	12♐22	3°39	2°38	5°36	21°27	14°12	18° 7	23°38	13°35	8° 9	8°37	17°14	0°15	F 4
S 5	1 18 33	17°48'03	26°44	5° 7	3°46	6°13	21°40	14°16	18° 6	23°39	13°35	8° 7	8°34	17°21	0°22	S 5
S 6	1 22 29	18°47'54	10♑54	6°34	4°53	6°50	21°53	14°21	18° 5	23°40	13°34	8° 7	8°30	17°28	0°28	S 6
M 7	1 26 26	19°47'47	24°50	8° 0	6° 1	7°27	22° 6	14°26	18° 5	23°42	13°33	8° 7	8°27	17°34	0°35	M 7
T 8	1 30 22	20°47'42	8♒34	9°25	7° 9	8° 4	22°19	14°31	18° 4	23°43	13°33	8° 6	8°24	17°41	0°41	T 8
W 9	1 34 19	21°47'39	22° 6	10°50	8°18	8°41	22°33	14°36	18° 3	23°44	13°32	8° 3	8°21	17°48	0°47	W 9
T 10	1 38 15	22°47'37	5♓27	12°13	9°26	9°17	22°46	14°42	18° 3	23°45	13°32	7°57	8°18	17°54	0°54	T 10
F 11	1 42 12	23°47'37	18°36	13°36	10°35	9°54	22°59	14°47	18° 2	23°47	13°31	7°48	8°15	18° 1	1° 0	F 11
S 12	1 46 8	24°47'39	1♈33	14°59	11°44	10°31	23°12	14°52	18° 1	23°48	13°30	7°37	8°11	18° 8	1° 6	S 12
S 13	1 50 5	25°47'42	14°19	16°20	12°53	11° 8	23°25	14°57	18° 1	23°49	13°29	7°24	8° 8	18°14	1°12	S 13
M14	1 54 1	26°47'47	26°53	17°40	14° 2	11°44	23°38	15° 3	18° 1	23°51	13°29	7°11	8° 5	18°21	1°18	M14
T 15	1 57 58	27°47'54	9♉14	18°59	15°11	12°21	23°51	15° 8	18° 0	23°52	13°28	6°59	8° 2	18°27	1°24	T 15
W16	2 1 55	28°48'04	21°24	20°16	16°21	12°57	24° 5	15°14	18° 0	23°54	13°27	6°49	7°59	18°34	1°30	W16
T 17	2 5 51	29°48'15	3♊24	21°33	17°31	13°34	24°18	15°19	18° 0	23°55	13°26	6°41	7°55	18°41	1°35	T 17
F 18	2 9 48	0♏48'28	15°16	22°48	18°41	14°11	24°31	15°25	17°59	23°57	13°26	6°36	7°52	18°47	1°41	F 18
S 19	2 13 44	1°48'43	27° 3	24° 1	19°51	14°47	24°44	15°31	17°59	23°58	13°25	6°34	7°49	18°54	1°47	S 19
S 20	2 17 41	2°49'00	8♋50	25°12	21° 1	15°24	24°57	15°36	17°59	24° 0	13°24	6°D33	7°46	19° 1	1°52	S 20
M21	2 21 37	3°49'19	20°41	26°21	22°11	16° 0	25°10	15°42	17°59	24° 1	13°23	6°34	7°43	19° 7	1°58	M21
T 22	2 25 34	4°49'41	2♌41	27°29	23°22	16°36	25°23	15°48	17°D59	24° 3	13°22	6°R34	7°40	19°14	2° 3	T 22
W23	2 29 30	5°50'04	14°57	28°33	24°32	17°13	25°36	15°54	17°59	24° 5	13°21	6°34	7°36	19°21	2° 8	W23
T 24	2 33 27	6°50'29	27°33	29°35	25°43	17°49	25°49	16° 0	17°59	24° 6	13°20	6°32	7°33	19°27	2°13	T 24
F 25	2 37 24	7°50'56	10♍34	0♐33	26°54	18°26	26° 2	16° 6	17°59	24° 8	13°19	6°27	7°30	19°34	2°19	F 25
S 26	2 41 20	8°51'25	24° 3	1°27	28° 5	19° 2	26°15	16°12	17°59	24°10	13°18	6°20	7°27	19°41	2°24	S 26
S 27	2 45 17	9°51'56	8♎ 0	2°18	29°16	19°38	26°28	16°18	18° 0	24°11	13°18	6°12	7°24	19°47	2°29	S 27
M28	2 49 13	10°52'28	22°23	3° 4	0♎27	20°14	26°41	16°24	18° 0	24°13	13°17	6° 3	7°21	19°54	2°33	M28
T 29	2 53 10	11°53'02	7♏ 6	3°44	1°39	20°51	26°54	16°31	18° 0	24°15	13°16	5°54	7°17	20° 1	2°38	T 29
W30	2 57 6	12°53'38	22° 3	4°19	2°50	21°27	27° 7	16°37	18° 1	24°17	13°15	5°46	7°14	20° 7	2°43	W30
T 31	3 1 3	13♏54'16	7♐ 4	4♐47	4♎ 2	22♍ 3	27♎20	16♐43	18♒ 1	24♐19	13♊14	5♋41	7♋11	20♊14	2♍48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s28	6s38	4n42	12s13	1s 3	11n58	0n12	11n26	1n21	7s10	1n 4	21s29	1n 7	16s10	0s45	22s17	1n 6	14n39	7s57	23n16	23n15	20n59	6n30	5s23
W 2	5 52	11 57	4 7	12 51	1 9	11 39	0 17	11 12	1 21	7 15	1 4	21 29	1 6	16 10	0 45	22 17	1 6	14 39	7 57	23 17	23 16	21 1	6 28	5 24
T 3	6 15	16 35	3 16	13 28	1 16	11 19	0 21	10 59	1 21	7 20	1 4	21 30	1 6	16 11	0 45	22 17	1 6	14 38	7 57	23 17	23 16	21 2	6 25	5 24
F 4	6 38	20 12	2 12	14 5	1 22	10 59	0 25	10 45	1 21	7 24	1 4	21 31	1 6	16 11	0 45	22 17	1 6	14 38	7 57	23 18	23 16	21 4	6 23	5 24
S 5	7 1	22 31	1 0	14 41	1 29	10 38	0 30	10 32	1 22	7 29	1 4	21 31	1 6	16 11	0 45	22 18	1 6	14 38	7 57	23 18	23 16	21 5	6 20	5 24
S 6	7 24	23 21	0s15	15 16	1 35	10 17	0 34	10 18	1 22	7 34	1 4	21 32	1 6	16 11	0 45	22 18	1 6	14 38	7 57	23 18	23 16	21 7	6 17	5 25
M 7	7 47	22 41	1 27	15 50	1 41	9 56	0 38	10 5	1 22	7 39	1 4	21 33	1 6	16 11	0 45	22 18	1 6	14 38	7 58	23 18	23 17	21 8	6 15	5 25
T 8	8 9	20 40	2 34	16 23	1 47	9 34	0 42	9 51	1 22	7 44	1 4	21 34	1 5	16 12	0 45	22 18	1 6	14 38	7 58	23 18	23 17	21 9	6 12	5 25
W 9	8 32	17 31	3 31	16 55	1 53	9 12	0 46	9 38	1 23	7 49	1 4	21 34	1 5	16 12	0 45	22 18	1 6	14 37	7 58	23 18	23 17	21 11	6 10	5 26
T 10	8 54	13 30	4 15	17 27	1 58	8 50	0 50	9 24	1 23	7 54	1 4	21 35	1 5	16 12	0 45	22 18	1 6	14 37	7 58	23 18	23 17	21 12	6 7	5 26
F 11	9 17	8 54	4 45	17 58	2 4	8 27	0 53	9 10	1 23	7 59	1 4	21 36	1 5	16 12	0 45	22 18	1 6	14 37	7 58	23 19	23 17	21 14	6 5	5 26
S 12	9 39	3 58	5 0	18 27	2 9	8 4	0 57	8 56	1 23	8 4	1 4	21 37	1 5	16 12	0 45	22 18	1 6	14 37	7 58	23 20	23 18	21 15	6 2	5 27
S 13	10 1	1n 4	4 59	18 56	2 14	7 41	1 0	8 43	1 23	8 9	1 4	21 37	1 5	16 12	0 45	22 18	1 6	14 37	7 58	23 20	23 18	21 17	6 0	5 27
M14	10 23	5 59	4 44	19 23	2 18	7 17	1 4	8 29	1 24	8 14	1 4	21 38	1 5	16 12	0 45	22 18	1 6	14 36	7 58	23 21	23 18	21 18	5 58	5 27
T 15	10 44	10 36	4 16	19 50	2 23	6 53	1 7	8 15	1 24	8 19	1 4	21 39	1 4	16 13	0 45	22 19	1 6	14 36	7 58	23 22	23 18	21 19	5 55	5 28
W16	11 6	14 43	3 36	20 15	2 27	6 29	1 10	8 1	1 24	8 23	1 4	21 40	1 4	16 13	0 44	22 19	1 6	14 36	7 58	23 22	23 18	21 21	5 53	5 28
T 17	11 27	18 12	2 47	20 39	2 30	6 5	1 13	7 47	1 24	8 28	1 4	21 40	1 4	16 13	0 44	22 19	1 6	14 36	7 58	23 23	23 19	21 22	5 50	5 29
F 18	11 48	20 53	1 51	21 2	2 34	5 40	1 16	7 33	1 25	8 33	1 4	21 41	1 4	16 13	0 44	22 19	1 6	14 36	7 59	23 23	23 19	21 24	5 48	5 29
S 19	12 9	22 40	0 51	21 23	2 36	5 15	1 19	7 19	1 25	8 38	1 4	21 42	1 4	16 13	0 44	22 19	1 6	14 36	7 59	23 23	23 19	21 25	5 46	5 29
S 20	12 30	23 27	0n12	21 43	2 39	4 50	1 22	7 5	1 25	8 43	1 4	21 43	1 4	16 13	0 44	22 19	1 6	14 35	7 59	23 23	23 19	21 26	5 43	5 30
M21	12 51	23 11	1 15	22 2	2 41	4 25	1 25	6 51	1 25	8 48	1 4	21 43	1 4	16 13	0 44	22 19	1 6	14 35	7 59	23 23	23 19	21 28	5 41	5 30
T 22	13 11	21 50	2 15	22 19	2 42	3 59	1 27	6 37	1 25	8 52	1 4	21 44	1 4	16 13	0 44	22 19	1 5	14 35	7 59	23 23	23 19	21 29	5 39	5 30
W23	13 32	19 27	3 11	22 35	2 43	3 33	1 30	6 23	1 26	8 57	1 4	21 45	1 3	16 13	0 44	22 19	1 5	14 35	7 59	23 23	23 20	21 30	5 37	5 31
T 24	13 52	16 6	3 58	22 48	2 43	3 7	1 32	6 9	1 26	9 2	1 4	21 46	1 3	16 13	0 44	22 20	1 5	14 35	7 59	23 23	23 20	21 32	5 34	5 31
F 25	14 11	11 53	4 35	23 1	2 43	2 41	1 35	5 55	1 26	9 7	1 4	21 46	1 3	16 13	0 44	22 20	1 5	14 35	7 59	23 23	23 20	21 33	5 32	5 32
S 26	14 31	6 57	4 59	23 11	2 42	2 15	1 37	5 41	1 26	9 11	1 4	21 47	1 3	16 12	0 44	22 20	1 5	14 34	7 59	23 24	23 20	21 34	5 30	5 32
S 27	14 50	1 30	5 6	23 19	2 39	1 48	1 39	5 27	1 27	9 16	1 4	21 48	1 3	16 12	0 44	22 20	1 5	14 34	7 59	23 24	23 20	21 36	5 28	5 33
M28	15 9	4s12	4 54	23 25	2 36	1 22	1 41	5 13	1 27	9 21	1 4	21 49	1 3	16 12	0 44	22 20	1 5	14 34	7 59	23 25	23 21	21 37	5 26	5 33
T 29	15 28	9 49	4 22	23 29	2 32	0 55	1 43	4 59	1 27	9 25	1 4	21 49	1 3	16 12	0 44	22 20	1 5	14 34	7 59	23 25	23 21	21 39	5 24	5 33
W30	15 47	14 57	3 32	23 31	2 27	0 28	1 45	4 44	1 27	9 30	1 4	21 50	1 3	16 12	0 44	22 20	1 5	14 34	7 59	23 25	23 21	21 40	5 21	5 34
T 31	16s 5	19s10	2n27	23s30	2s21	0n 1	1n46	4n30	1n27	9s35	1n 4	21s51	1n 2	16s12	0s44	22s20	1n 5	14n34	7s59	23n25	23n21	21n41	5n19	5s34

Julian Day Number = 2146116.5, Delta T = 14m44s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'51, Lahiri = 12°11'51 Julian Calendar 1 Oct. 1163 == Greg. Calendar 8 Oct. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

NOVEMBER 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 4 59	14♏54'55	22♐ 0	5♐ 8	5♎14	22♍39	27♎33	16♐49	18♒ 2	24♐20	13°R13	5°R38	7♋ 8	20♊21	2♍52	F 1
S 2	3 8 56	15°55'35	6♑43	5°20	6°25	23°15	27°46	16°56	18° 2	24°22	13♊12	5°D37	7° 5	20°27	2°56	S 2
S 3	3 12 53	16°56'17	21° 9	5°R24	7°37	23°51	27°59	17° 2	18° 3	24°24	13°11	5♋38	7° 1	20°34	3° 1	S 3
M 4	3 16 49	17°56'59	5♒15	5°19	8°49	24°27	28°12	17° 9	18° 3	24°26	13° 9	5°39	6°58	20°41	3° 5	M 4
T 5	3 20 46	18°57'43	19° 0	5° 3	10° 1	25° 3	28°24	17°15	18° 4	24°28	13° 8	5°R39	6°55	20°47	3° 9	T 5
W 6	3 24 42	19°58'27	2♓26	4°36	11°14	25°39	28°37	17°22	18° 5	24°30	13° 7	5°39	6°52	20°54	3°13	W 6
T 7	3 28 39	20°59'13	15°35	3°59	12°26	26°15	28°50	17°28	18° 6	24°32	13° 6	5°36	6°49	21° 0	3°17	T 7
F 8	3 32 35	22° 0'00	28°28	3°11	13°38	26°51	29° 2	17°35	18° 6	24°34	13° 5	5°31	6°46	21° 7	3°21	F 8
S 9	3 36 32	23° 0'47	11♈ 8	2°12	14°51	27°26	29°15	17°41	18° 7	24°36	13° 4	5°24	6°42	21°14	3°25	S 9
S 10	3 40 28	24° 1'36	23°35	1° 5	16° 3	28° 2	29°28	17°48	18° 8	24°38	13° 3	5°17	6°39	21°20	3°28	S 10
M11	3 44 25	25° 2'26	5♉52	29♏51	17°16	28°38	29°40	17°55	18° 9	24°40	13° 2	5° 9	6°36	21°27	3°32	M11
T 12	3 48 22	26° 3'17	18° 0	28°31	18°29	29°14	29°53	18° 1	18°10	24°42	13° 1	5° 1	6°33	21°34	3°35	T 12
W13	3 52 18	27° 4'10	0♊ 0	27° 8	19°41	29°49	0♏ 5	18° 8	18°11	24°44	13° 0	4°55	6°30	21°40	3°39	W13
T 14	3 56 15	28° 5'03	11°54	25°46	20°54	0♎25	0°17	18°15	18°13	24°46	12°59	4°51	6°27	21°47	3°42	T 14
F 15	4 0 11	29° 5'58	23°42	24°26	22° 7	1° 0	0°30	18°22	18°14	24°48	12°57	4°48	6°23	21°54	3°45	F 15
S 16	4 4 8	0♐ 6'53	5♋29	23°13	23°20	1°36	0°42	18°28	18°15	24°50	12°56	4°D48	6°20	22° 0	3°48	S 16
S 17	4 8 4	1° 7'50	17°16	22° 6	24°33	2°11	0°54	18°35	18°16	24°52	12°55	4°48	6°17	22° 7	3°51	S 17
M18	4 12 1	2° 8'49	29° 8	21° 9	25°47	2°47	1° 7	18°42	18°18	24°55	12°54	4°50	6°14	22°14	3°54	M18
T 19	4 15 57	3° 9'48	11♌ 9	20°23	27° 0	3°22	1°19	18°49	18°19	24°57	12°53	4°52	6°11	22°20	3°57	T 19
W20	4 19 54	4°10'48	23°23	19°48	28°13	3°57	1°31	18°56	18°20	24°59	12°52	4°53	6° 7	22°27	3°59	W20
T 21	4 23 51	5°11'50	5♍55	19°24	29°26	4°33	1°43	19° 3	18°22	25° 1	12°50	4°R54	6° 4	22°34	4° 2	T 21
F 22	4 27 47	6°12'53	18°50	19°12	0♏40	5° 8	1°55	19°10	18°23	25° 3	12°49	4°53	6° 1	22°40	4° 4	F 22
S 23	4 31 44	7°13'57	2♎11	19°D10	1°53	5°43	2° 7	19°17	18°25	25° 5	12°48	4°51	5°58	22°47	4° 6	S 23
S 24	4 35 40	8°15'02	16° 0	19°18	3° 7	6°18	2°19	19°24	18°27	25° 7	12°47	4°48	5°55	22°54	4° 8	S 24
M25	4 39 37	9°16'07	0♏18	19°35	4°20	6°53	2°30	19°31	18°28	25°10	12°46	4°44	5°52	23° 0	4°10	M25
T 26	4 43 33	10°17'14	15° 1	20° 1	5°34	7°28	2°42	19°38	18°30	25°12	12°45	4°40	5°48	23° 7	4°12	T 26
W27	4 47 30	11°18'22	0♐ 3	20°34	6°48	8° 3	2°54	19°45	18°32	25°14	12°43	4°37	5°45	23°13	4°14	W27
T 28	4 51 26	12°19'31	15°15	21°14	8° 2	8°38	3° 5	19°52	18°34	25°16	12°42	4°35	5°42	23°20	4°16	T 28
F 29	4 55 23	13°20'40	0♑28	22° 0	9°15	9°13	3°17	19°59	18°35	25°19	12°41	4°D34	5°39	23°27	4°18	F 29
S 30	4 59 20	14♐21'50	15♑31	22♏51	10♏29	9♎48	3♏29	20♐ 6	18♒37	25♐21	12♊40	4♋35	5♋36	23♊33	4♍19	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s23	22s 6	1n13	23s26	2s13	0s26	1n48	4n16	1n28	9s39	1n 4	21s51	1n 2	16s12	0s44	22s20	1n 5	14n33	7s59	23n26	23n21	21n42	5n17	5s35
S 2	16 41	23 29	0s 6	23 20	2 5	0 53	1 49	4 2	1 28	9 44	1 4	21 52	1 2	16 11	0 44	22 21	1 5	14 33	7 59	23 26	23 21	21 44	5 15	5 35
S 3	16 58	23 14	1 23	23 10	1 54	1 21	1 51	3 48	1 28	9 49	1 4	21 53	1 2	16 11	0 44	22 21	1 5	14 33	7 59	23 26	23 22	21 45	5 13	5 36
M 4	17 15	21 31	2 33	22 58	1 42	1 48	1 52	3 34	1 28	9 53	1 4	21 54	1 2	16 11	0 44	22 21	1 5	14 33	7 59	23 26	23 22	21 46	5 12	5 36
T 5	17 32	18 33	3 33	22 42	1 29	2 15	1 53	3 19	1 28	9 58	1 4	21 54	1 2	16 11	0 44	22 21	1 5	14 33	7 59	23 26	23 22	21 48	5 10	5 37
W 6	17 49	14 41	4 19	22 22	1 14	2 43	1 54	3 5	1 28	10 2	1 4	21 55	1 2	16 10	0 44	22 21	1 5	14 33	8 0	23 26	23 22	21 49	5 8	5 37
T 7	18 5	10 10	4 51	21 59	0 57	3 10	1 55	2 51	1 29	10 7	1 4	21 56	1 2	16 10	0 44	22 21	1 5	14 33	8 0	23 26	23 22	21 50	5 6	5 38
F 8	18 21	5 18	5 7	21 32	0 39	3 37	1 56	2 37	1 29	10 11	1 4	21 57	1 2	16 10	0 44	22 21	1 5	14 32	8 0	23 26	23 22	21 52	5 4	5 38
S 9	18 37	0 18	5 8	21 2	0 20	4 5	1 57	2 23	1 29	10 16	1 4	21 57	1 1	16 10	0 44	22 21	1 5	14 32	8 0	23 26	23 23	21 53	5 2	5 39
S 10	18 52	4n39	4 54	20 28	0 0	4 32	1 57	2 9	1 29	10 20	1 4	21 58	1 1	16 9	0 44	22 21	1 5	14 32	8 0	23 26	23 23	21 54	5 1	5 39
M11	19 7	9 21	4 26	19 53	0n20	5 0	1 58	1 55	1 29	10 24	1 4	21 59	1 1	16 9	0 44	22 22	1 5	14 32	8 0	23 27	23 23	21 56	4 59	5 40
T 12	19 21	13 38	3 47	19 15	0 41	5 27	1 59	1 41	1 30	10 29	1 4	21 59	1 1	16 9	0 44	22 22	1 5	14 32	8 0	23 27	23 23	21 57	4 57	5 40
W13	19 36	17 20	2 58	18 37	1 1	5 54	1 59	1 27	1 30	10 33	1 4	22 0	1 1	16 8	0 43	22 22	1 5	14 32	8 0	23 27	23 23	21 58	4 55	5 41
T 14	19 49	20 18	2 2	18 0	1 20	6 21	1 59	1 13	1 30	10 37	1 4	22 1	1 1	16 8	0 43	22 22	1 5	14 32	8 0	23 27	23 23	21 59	4 54	5 41
F 15	20 3	22 24	1 0	17 23	1 38	6 48	1 59	0 59	1 30	10 42	1 4	22 1	1 1	16 7	0 43	22 22	1 5	14 31	8 0	23 28	23 24	22 1	4 52	5 42
S 16	20 16	23 30	0n 4	16 50	1 54	7 15	2 0	0 44	1 30	10 46	1 4	22 2	1 1	16 7	0 43	22 22	1 5	14 31	8 0	23 28	23 24	22 2	4 51	5 42
S 17	20 29	23 33	1 8	16 19	2 8	7 42	2 0	0 30	1 30	10 50	1 4	22 3	1 1	16 7	0 43	22 22	1 5	14 31	8 0	23 28	23 24	22 3	4 49	5 43
M18	20 41	22 32	2 10	15 53	2 19	8 9	1 59	0 17	1 31	10 54	1 4	22 4	1 1	16 6	0 43	22 22	1 5	14 31	8 0	23 28	23 24	22 4	4 48	5 43
T 19	20 53	20 29	3 6	15 32	2 29	8 36	1 59	0 3	1 31	10 59	1 4	22 4	1 0	16 6	0 43	22 22	1 5	14 31	8 0	23 27	23 24	22 6	4 46	5 44
W20	21 5	17 29	3 56	15 16	2 36	9 2	1 59	0s11	1 31	11 3	1 5	22 5	1 0	16 5	0 43	22 22	1 5	14 31	8 0	23 27	23 24	22 7	4 45	5 44
T 21	21 16	13 38	4 35	15 4	2 41	9 28	1 59	0 25	1 31	11 7	1 5	22 5	1 0	16 5	0 43	22 23	1 5	14 31	8 0	23 27	23 24	22 8	4 43	5 45
F 22	21 27	9 4	5 2	14 58	2 45	9 55	1 58	0 39	1 31	11 11	1 5	22 6	1 0	16 4	0 43	22 23	1 5	14 30	8 0	23 27	23 25	22 9	4 42	5 45
S 23	21 37	3 56	5 14	14 56	2 46	10 21	1 58	0 53	1 31	11 15	1 5	22 7	1 0	16 4	0 43	22 23	1 5	14 30	7 59	23 27	23 25	22 10	4 41	5 46
S 24	21 47	1s35	5 8	14 58	2 46	10 46	1 57	1 7	1 32	11 19	1 5	22 7	1 0	16 3	0 43	22 23	1 5	14 30	7 59	23 28	23 25	22 12	4 40	5 46
M25	21 56	7 12	4 44	15 4	2 45	11 12	1 56	1 21	1 32	11 23	1 5	22 8	1 0	16 3	0 43	22 23	1 5	14 30	7 59	23 28	23 25	22 13	4 38	5 47
T 26	22 6	12 35	4 0	15 13	2 43	11 37	1 56	1 34	1 32	11 27	1 5	22 9	1 0	16 2	0 43	22 23	1 5	14 30	7 59	23 28	23 25	22 14	4 37	5 47
W27	22 14	17 20	2 59	15 25	2 39	12 2	1 55	1 48	1 32	11 31	1 5	22 9	1 0	16 1	0 43	22 23	1 5	14 30	7 59	23 28	23 25	22 15	4 36	5 48
T 28	22 22	21 0	1 45	15 40	2 35	12 27	1 54	2 2	1 32	11 35	1 5	22 10	1 0	16 1	0 43	22 23	1 4	14 30	7 59	23 28	23 25	22 17	4 35	5 48
F 29	22 30	23 10	0 23	15 57	2 30	12 52	1 53	2 15	1 32	11 39	1 5	22 11	1 0	16 0	0 43	22 23	1 4	14 30	7 59	23 28	23 26	22 18	4 34	5 49
S 30	22s38	23s38	1s 0	16s15	2n24	13s16	1n52	2s29	1n32	11s43	1n 5	22s11	1n 0	16s 0	0s43	22s23	1n 4	14n30	7s59	23n28	23n26	22n19	4n33	5s49

Julian Day Number = 2146147.5, Delta T = 14m43s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'55, Lahiri = 12°11'55 Julian Calendar 1 Nov. 1163 == Greg. Calendar 8 Nov. 1163

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ASTRODIENST EPHEMERIS for the year 1163
geocentric

DECEMBER 1163 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 3 16	15♐23'00	0♒17	23♏47	11♏43	10♎22	3♏40	20♐13	18♒39	25♐23	12°R39	4♋36	5♋33	23♊40	4♍20	S 1
M 2	5 7 13	16°24'10	14°41	24°47	12°57	10°57	3°51	20°20	18°41	25°25	12♊38	4°37	5°29	23°47	4°22	M 2
T 3	5 11 9	17°25'20	28°39	25°51	14°11	11°32	4° 3	20°27	18°43	25°28	12°36	4°38	5°26	23°53	4°23	T 3
W 4	5 15 6	18°26'31	12♓11	26°57	15°25	12° 6	4°14	20°34	18°45	25°30	12°35	4°39	5°23	24° 0	4°24	W 4
T 5	5 19 2	19°27'41	25°20	28° 7	16°39	12°41	4°25	20°41	18°48	25°32	12°34	4°R39	5°20	24° 7	4°25	T 5
F 6	5 22 59	20°28'52	8♈ 8	29°19	17°53	13°15	4°36	20°48	18°50	25°34	12°33	4°38	5°17	24°13	4°25	F 6
S 7	5 26 56	21°30'02	20°38	0♗33	19° 7	13°49	4°47	20°55	18°52	25°37	12°32	4°37	5°13	24°20	4°26	S 7
S 8	5 30 52	22°31'13	2♉55	1°49	20°21	14°24	4°58	21° 2	18°54	25°39	12°30	4°35	5°10	24°27	4°27	S 8
M 9	5 34 49	23°32'23	15° 0	3° 6	21°35	14°58	5° 8	21° 9	18°56	25°41	12°29	4°33	5° 7	24°33	4°27	M 9
T 10	5 38 45	24°33'34	26°57	4°26	22°50	15°32	5°19	21°16	18°59	25°43	12°28	4°32	5° 4	24°40	4°27	T 10
W11	5 42 42	25°34'45	8♊49	5°46	24° 4	16° 6	5°30	21°23	19° 1	25°46	12°27	4°31	5° 1	24°47	4°28	W11
T 12	5 46 38	26°35'56	20°37	7° 8	25°18	16°40	5°40	21°30	19° 3	25°48	12°26	4°30	4°58	24°53	4°R28	T 12
F 13	5 50 35	27°37'07	2♋25	8°30	26°32	17°14	5°51	21°37	19° 6	25°50	12°25	4°D30	4°54	25° 0	4°28	F 13
S 14	5 54 31	28°38'17	14°14	9°54	27°47	17°48	6° 1	21°44	19° 8	25°53	12°24	4°30	4°51	25° 7	4°28	S 14
S 15	5 58 28	29°39'28	26° 7	11°19	29° 1	18°22	6°11	21°52	19°11	25°55	12°23	4°30	4°48	25°13	4°27	S 15
M16	6 2 25	0♌40'39	8♌ 5	12°44	0♗15	18°56	6°21	21°59	19°13	25°57	12°21	4°30	4°45	25°20	4°27	M16
T 17	6 6 21	1°41'51	20°11	14°10	1°30	19°29	6°31	22° 6	19°16	25°59	12°20	4°31	4°42	25°26	4°27	T 17
W18	6 10 18	2°43'02	2♍30	15°37	2°44	20° 3	6°41	22°13	19°19	26° 2	12°19	4°31	4°39	25°33	4°26	W18
T 19	6 14 14	3°44'13	15° 3	17° 4	3°58	20°36	6°51	22°20	19°21	26° 4	12°18	4°31	4°35	25°40	4°25	T 19
F 20	6 18 11	4°45'24	27°54	18°32	5°13	21°10	7° 1	22°26	19°24	26° 6	12°17	4°31	4°32	25°46	4°24	F 20
S 21	6 22 7	5°46'35	11♎ 8	20° 1	6°27	21°43	7°10	22°33	19°27	26° 8	12°16	4°31	4°29	25°53	4°23	S 21
S 22	6 26 4	6°47'46	24°45	21°30	7°42	22°16	7°20	22°40	19°29	26°11	12°15	4°31	4°26	26° 0	4°22	S 22
M23	6 30 0	7°48'58	8♏48	23° 0	8°56	22°49	7°29	22°47	19°32	26°13	12°14	4°32	4°23	26° 6	4°21	M23
T 24	6 33 57	8°50'09	23°15	24°30	10°11	23°22	7°39	22°54	19°35	26°15	12°13	4°32	4°19	26°13	4°20	T 24
W25	6 37 54	9°51'20	8♐ 4	26° 1	11°25	23°55	7°48	23° 1	19°38	26°17	12°12	4°32	4°16	26°20	4°19	W25
T 26	6 41 50	10°52'31	23° 8	27°32	12°40	24°28	7°57	23° 8	19°40	26°20	12°11	4°33	4°13	26°26	4°17	T 26
F 27	6 45 47	11°53'42	8♑19	29° 4	13°54	25° 1	8° 6	23°15	19°43	26°22	12°10	4°R33	4°10	26°33	4°16	F 27
S 28	6 49 43	12°54'52	23°28	0♑36	15° 9	25°34	8°15	23°22	19°46	26°24	12° 9	4°33	4° 7	26°40	4°14	S 28
S 29	6 53 40	13°56'01	8♒25	2° 9	16°24	26° 6	8°24	23°28	19°49	26°26	12° 8	4°32	4° 4	26°46	4°12	S 29
M30	6 57 36	14°57'10	23° 2	3°42	17°38	26°39	8°32	23°35	19°52	26°28	12° 7	4°31	4° 0	26°53	4°10	M30
T 31	7 1 33	15♑58'18	7♓15	5♑16	18♐53	27♎11	8♏41	23♐42	19♒55	26♐31	12♊ 6	4♋29	3♋57	27♊ 0	4♍ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s45	22s25	2s18	16s35	2n18	13s40	1n51	2s43	1n32	11s46	1n 5	22s12	1n 0	15s59	0s43	22s24	1n 4	14n30	7s59	23n28	23n26	22n20	4n32	5s50
M 2	22 51	19 45	3 24	16 56	2 11	14 4	1 49	2 56	1 33	11 50	1 5	22 12	0 59	15 58	0 43	22 24	1 4	14 29	7 59	23 28	23 26	22 21	4 31	5 50
T 3	22 57	16 0	4 17	17 18	2 4	14 27	1 48	3 9	1 33	11 54	1 5	22 13	0 59	15 58	0 43	22 24	1 4	14 29	7 59	23 28	23 26	22 22	4 30	5 51
W 4	23 3	11 31	4 53	17 41	1 57	14 50	1 47	3 23	1 33	11 58	1 5	22 13	0 59	15 57	0 43	22 24	1 4	14 29	7 59	23 28	23 26	22 24	4 29	5 51
T 5	23 8	6 38	5 13	18 4	1 49	15 13	1 45	3 36	1 33	12 1	1 6	22 14	0 59	15 56	0 43	22 24	1 4	14 29	7 59	23 28	23 26	22 25	4 28	5 52
F 6	23 12	1 36	5 16	18 27	1 41	15 35	1 44	3 50	1 33	12 5	1 6	22 15	0 59	15 56	0 43	22 24	1 4	14 29	7 59	23 28	23 26	22 26	4 28	5 52
S 7	23 16	3n23	5 5	18 50	1 33	15 57	1 42	4 3	1 33	12 8	1 6	22 15	0 59	15 55	0 43	22 24	1 4	14 29	7 59	23 28	23 27	22 27	4 27	5 53
S 8	23 20	8 10	4 39	19 13	1 26	16 18	1 40	4 16	1 33	12 12	1 6	22 16	0 59	15 54	0 43	22 24	1 4	14 29	7 59	23 28	23 27	22 28	4 26	5 53
M 9	23 23	12 33	4 2	19 36	1 18	16 39	1 39	4 29	1 33	12 16	1 6	22 16	0 59	15 53	0 43	22 24	1 4	14 29	7 59	23 28	23 27	22 29	4 26	5 54
T 10	23 26	16 25	3 14	19 59	1 9	17 0	1 37	4 42	1 33	12 19	1 6	22 17	0 59	15 53	0 43	22 24	1 4	14 29	7 59	23 28	23 27	22 31	4 25	5 54
W11	23 28	19 36	2 18	20 21	1 1	17 20	1 35	4 55	1 34	12 22	1 6	22 17	0 59	15 52	0 43	22 24	1 4	14 29	7 58	23 28	23 27	22 32	4 24	5 55
T 12	23 30	21 57	1 16	20 43	0 53	17 40	1 33	5 8	1 34	12 26	1 6	22 18	0 59	15 51	0 43	22 25	1 4	14 29	7 58	23 28	23 27	22 33	4 24	5 56
F 13	23 32	23 20	0 12	21 4	0 45	17 59	1 31	5 21	1 34	12 29	1 6	22 18	0 59	15 50	0 43	22 25	1 4	14 29	7 58	23 28	23 27	22 34	4 23	5 56
S 14	23 32	23 41	0n54	21 25	0 37	18 18	1 29	5 34	1 34	12 33	1 6	22 19	0 59	15 49	0 43	22 25	1 4	14 29	7 58	23 28	23 27	22 35	4 23	5 57
S 15	23 33	22 57	1 57	21 45	0 30	18 37	1 27	5 47	1 34	12 36	1 6	22 19	0 59	15 49	0 43	22 25	1 4	14 29	7 58	23 28	23 28	22 36	4 23	5 57
M16	23 33	21 10	2 56	22 4	0 22	18 55	1 25	6 0	1 34	12 39	1 7	22 20	0 59	15 48	0 43	22 25	1 4	14 29	7 58	23 28	23 28	22 37	4 22	5 58
T 17	23 32	18 25	3 48	22 22	0 14	19 12	1 23	6 12	1 34	12 42	1 7	22 20	0 59	15 47	0 42	22 25	1 4	14 29	7 58	23 28	23 28	22 38	4 22	5 58
W18	23 31	14 49	4 30	22 40	0 7	19 29	1 21	6 25	1 34	12 45	1 7	22 21	0 58	15 46	0 42	22 25	1 4	14 29	7 58	23 28	23 28	22 39	4 22	5 58
T 19	23 30	10 31	5 0	22 56	0s 1	19 45	1 18	6 38	1 34	12 49	1 7	22 21	0 58	15 45	0 42	22 25	1 4	14 29	7 58	23 28	23 28	22 41	4 22	5 59
F 20	23 28	5 40	5 16	23 11	0 8	20 1	1 16	6 50	1 34	12 52	1 7	22 22	0 58	15 44	0 42	22 25	1 4	14 29	7 58	23 28	23 28	22 42	4 21	5 59
S 21	23 25	0 25	5 16	23 26	0 15	20 16	1 14	7 3	1 34	12 55	1 7	22 22	0 58	15 44	0 42	22 25	1 4	14 28	7 57	23 28	23 28	22 43	4 21	6 0
S 22	23 22	5s 0	4 59	23 39	0 23	20 31	1 11	7 15	1 34	12 58	1 7	22 22	0 58	15 43	0 42	22 25	1 4	14 28	7 57	23 28	23 28	22 44	4 21	6 0
M23	23 19	10 20	4 23	23 51	0 29	20 45	1 9	7 27	1 34	13 1	1 7	22 23	0 58	15 42	0 42	22 25	1 4	14 28	7 57	23 28	23 28	22 45	4 21	6 1
T 24	23 15	15 17	3 30	24 2	0 36	20 59	1 7	7 39	1 35	13 4	1 7	22 23	0 58	15 41	0 42	22 25	1 4	14 28	7 57	23 28	23 29	22 46	4 21	6 1
W25	23 11	19 25	2 22	24 12	0 43	21 12	1 4	7 52	1 35	13 6	1 8	22 24	0 58	15 40	0 42	22 25	1 4	14 28	7 57	23 28	23 29	22 47	4 21	6 2
T 26	23 6	22 19	1 3	24 21	0 49	21 24	1 2	8 4	1 35	13 9	1 8	22 24	0 58	15 39	0 42	22 26	1 4	14 28	7 57	23 28	23 29	22 48	4 21	6 2
F 27	23 1	23 38	0s21	24 28	0 55	21 36	0 59	8 16	1 35	13 12	1 8	22 24	0 58	15 38	0 42	22 26	1 4	14 28	7 57	23 28	23 29	22 49	4 22	6 3
S 28	22 55	23 12	1 43	24 34	1 1	21 47	0 56	8 28	1 35	13 15	1 8	22 25	0 58	15 37	0 42	22 26	1 4	14 28	7 57	23 28	23 29	22 50	4 22	6 3
S 29	22 49	21 6	2 57	24 39	1 7	21 57	0 54	8 39	1 35	13 18	1 8	22 25	0 58	15 36	0 42	22 26	1 4	14 29	7 56	23 28	23 29	22 51	4 22	6 4
M30	22 42	17 39	3 58	24 42	1 13	22 7	0 51	8 51	1 35	13 20	1 8	22 26	0 58	15 35	0 42	22 26	1 4	14 29	7 56	23 28	23 29	22 52	4 22	6 4
T 31	22s35	13s15	4s42	24s44	1s18	22s16	0n49	9s 3	1n35	13s23	1n 8	22s26	0n58	15s34	0s42	22s26	1n 4	14n29	7s56	23n28	23n29	22n53	4n23	6s 4

Julian Day Number = 2146177.5, Delta T = 14m43s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°04'59, Lahiri = 12°11'59 Julian Calendar 1 Dec. 1163 == Greg. Calendar 8 Dec. 1163

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

JANUARY 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 5 30	16♑59'25	21♓ 0	6♑50	20♐ 7	27♎44	8♏49	23♐49	19♒58	26♐33	12°R 5	4°R28	3♋54	27♊ 6	4°R 6	W 1
T 2	7 9 26	18° 0'31	4♈17	8°25	21°22	28°16	8°57	23°55	20° 1	26°35	12♊ 4	4♋27	3°51	27°13	4♍ 4	T 2
F 3	7 13 23	19° 1'35	17° 9	10° 1	22°37	28°48	9° 5	24° 2	20° 4	26°37	12° 3	4°D26	3°48	27°19	4° 1	F 3
S 4	7 17 19	20° 2'39	29°39	11°37	23°51	29°20	9°13	24° 8	20° 7	26°39	12° 2	4°26	3°45	27°26	3°59	S 4
S 5	7 21 16	21° 3'42	11♉52	13°14	25° 6	29°52	9°21	24°15	20°11	26°41	12° 1	4°27	3°41	27°33	3°56	S 5
M 6	7 25 12	22° 4'44	23°52	14°51	26°21	0♏23	9°29	24°22	20°14	26°43	12° 0	4°29	3°38	27°39	3°54	M 6
T 7	7 29 9	23° 5'44	5♊44	16°29	27°35	0°55	9°36	24°28	20°17	26°45	11°59	4°30	3°35	27°46	3°51	T 7
W 8	7 33 5	24° 6'44	17°31	18° 7	28°50	1°26	9°44	24°35	20°20	26°48	11°59	4°32	3°32	27°53	3°48	W 8
T 9	7 37 2	25° 7'42	29°18	19°46	0♑ 5	1°58	9°51	24°41	20°23	26°50	11°58	4°R33	3°29	27°59	3°45	T 9
F 10	7 40 59	26° 8'39	11♋ 7	21°26	1°19	2°29	9°58	24°47	20°26	26°52	11°57	4°33	3°25	28° 6	3°42	F 10
S 11	7 44 55	27° 9'36	23° 2	23° 7	2°34	3° 0	10° 5	24°54	20°30	26°54	11°56	4°32	3°22	28°13	3°39	S 11
S 12	7 48 52	28°10'31	5♌ 3	24°48	3°49	3°31	10°12	25° 0	20°33	26°56	11°55	4°29	3°19	28°19	3°36	S 12
M13	7 52 48	29°11'25	17°13	26°30	5° 3	4° 2	10°19	25° 6	20°36	26°58	11°55	4°25	3°16	28°26	3°33	M13
T 14	7 56 45	0♒12'18	29°33	28°12	6°18	4°33	10°26	25°13	20°39	27° 0	11°54	4°21	3°13	28°33	3°30	T 14
W15	8 0 41	1°13'10	12♍ 4	29°55	7°33	5° 3	10°32	25°19	20°43	27° 2	11°53	4°17	3°10	28°39	3°26	W15
T 16	8 4 38	2°14'01	24°49	1♒39	8°47	5°34	10°38	25°25	20°46	27° 4	11°52	4°12	3° 6	28°46	3°23	T 16
F 17	8 8 34	3°14'51	7♎47	3°24	10° 2	6° 4	10°44	25°31	20°49	27° 6	11°52	4° 9	3° 3	28°52	3°19	F 17
S 18	8 12 31	4°15'40	21° 1	5°10	11°17	6°34	10°50	25°37	20°53	27° 7	11°51	4° 6	3° 0	28°59	3°16	S 18
S 19	8 16 28	5°16'28	4♏33	6°56	12°31	7° 5	10°56	25°43	20°56	27° 9	11°50	4°D 6	2°57	29° 6	3°12	S 19
M20	8 20 24	6°17'15	18°23	8°43	13°46	7°34	11° 2	25°49	20°59	27°11	11°50	4° 6	2°54	29°12	3° 8	M20
T 21	8 24 21	7°18'01	2♐32	10°30	15° 1	8° 4	11° 7	25°55	21° 3	27°13	11°49	4° 8	2°51	29°19	3° 4	T 21
W22	8 28 17	8°18'46	16°59	12°18	16°15	8°34	11°13	26° 1	21° 6	27°15	11°49	4° 9	2°47	29°26	3° 0	W22
T 23	8 32 14	9°19'30	1♑41	14° 7	17°30	9° 3	11°18	26° 7	21°10	27°17	11°48	4°R10	2°44	29°32	2°56	T 23
F 24	8 36 10	10°20'13	16°33	15°56	18°45	9°32	11°23	26°12	21°13	27°19	11°47	4° 9	2°41	29°39	2°52	F 24
S 25	8 40 7	11°20'54	1♒28	17°46	20° 0	10° 1	11°28	26°18	21°16	27°20	11°47	4° 7	2°38	29°46	2°48	S 25
S 26	8 44 3	12°21'34	16°17	19°36	21°14	10°30	11°33	26°24	21°20	27°22	11°46	4° 3	2°35	29°52	2°44	S 26
M27	8 48 0	13°22'13	0♓54	21°26	22°29	10°59	11°37	26°29	21°23	27°24	11°46	3°57	2°31	29°59	2°40	M27
T 28	8 51 57	14°22'50	15°10	23°17	23°44	11°28	11°41	26°35	21°27	27°25	11°45	3°50	2°28	0♋ 6	2°36	T 28
W29	8 55 53	15°23'25	29° 2	25° 7	24°58	11°56	11°46	26°40	21°30	27°27	11°45	3°43	2°25	0°12	2°31	W29
T 30	8 59 50	16°23'58	12♈27	26°57	26°13	12°24	11°50	26°46	21°34	27°29	11°45	3°38	2°22	0°19	2°27	T 30
F 31	9 3 46	17♒24'29	25♈25	28♒46	27♑28	12♏52	11♏53	26♐51	21♒37	27♐30	11♊44	3♋33	2♋19	0♋26	2♍22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s28	8s18	5s 9	24s45	1s23	22s25	0n46	9s14	1n35	13s25	1n 8	22s26	0n58	15s33	0s42	22s26	1n 4	14n29	7s56	23n28	23n29	22n54	4n23	6s 5
T 2	22 20	3 8	5 17	24 44	1 28	22 33	0 43	9 26	1 35	13 28	1 9	22 27	0 58	15 32	0 42	22 26	1 4	14 29	7 56	23 28	23 29	22 55	4 23	6 5
F 3	22 11	2n 0	5 10	24 42	1 32	22 40	0 41	9 37	1 35	13 30	1 9	22 27	0 58	15 31	0 42	22 26	1 4	14 29	7 56	23 28	23 30	22 56	4 24	6 6
S 4	22 3	6 55	4 47	24 39	1 37	22 46	0 38	9 49	1 35	13 33	1 9	22 27	0 58	15 30	0 42	22 26	1 4	14 29	7 55	23 28	23 30	22 57	4 24	6 6
S 5	21 53	11 28	4 12	24 33	1 41	22 52	0 35	10 0	1 35	13 35	1 9	22 28	0 58	15 29	0 42	22 26	1 4	14 29	7 55	23 28	23 30	22 58	4 25	6 6
M 6	21 44	15 29	3 27	24 27	1 45	22 57	0 33	10 11	1 35	13 37	1 9	22 28	0 58	15 28	0 42	22 26	1 4	14 29	7 55	23 28	23 30	22 59	4 26	6 7
T 7	21 34	18 51	2 33	24 19	1 48	23 2	0 30	10 22	1 35	13 40	1 9	22 28	0 58	15 27	0 42	22 26	1 4	14 29	7 55	23 28	23 30	23 0	4 26	6 7
W 8	21 23	21 25	1 33	24 9	1 51	23 5	0 27	10 33	1 35	13 42	1 9	22 28	0 58	15 26	0 42	22 26	1 4	14 29	7 55	23 28	23 30	23 1	4 27	6 7
T 9	21 12	23 4	0 29	23 58	1 54	23 9	0 24	10 44	1 35	13 44	1 10	22 29	0 58	15 25	0 42	22 26	1 4	14 29	7 55	23 28	23 30	23 2	4 28	6 8
F 10	21 1	23 41	0n36	23 45	1 56	23 11	0 22	10 55	1 35	13 46	1 10	22 29	0 58	15 24	0 42	22 26	1 4	14 29	7 54	23 28	23 30	23 3	4 28	6 8
S 11	20 49	23 13	1 40	23 30	1 59	23 13	0 19	11 5	1 34	13 48	1 10	22 29	0 58	15 23	0 42	22 26	1 4	14 29	7 54	23 28	23 30	23 4	4 29	6 8
S 12	20 37	21 41	2 40	23 14	2 0	23 13	0 16	11 16	1 34	13 50	1 10	22 30	0 58	15 22	0 42	22 26	1 4	14 29	7 54	23 28	23 30	23 5	4 30	6 9
M13	20 25	19 8	3 34	22 57	2 2	23 14	0 13	11 26	1 34	13 52	1 10	22 30	0 58	15 21	0 42	22 26	1 4	14 29	7 54	23 28	23 30	23 6	4 31	6 9
T 14	20 12	15 42	4 18	22 37	2 3	23 13	0 11	11 37	1 34	13 54	1 10	22 30	0 58	15 20	0 42	22 26	1 4	14 29	7 54	23 29	23 30	23 7	4 32	6 9
W15	19 59	11 32	4 50	22 16	2 4	23 12	0 8	11 47	1 34	13 56	1 10	22 30	0 58	15 19	0 42	22 26	1 4	14 29	7 54	23 29	23 31	23 8	4 33	6 9
T 16	19 45	6 48	5 9	21 53	2 4	23 10	0 5	11 57	1 34	13 58	1 11	22 31	0 58	15 18	0 42	22 27	1 4	14 30	7 53	23 29	23 31	23 9	4 34	6 10
F 17	19 31	1 41	5 13	21 29	2 4	23 7	0 3	12 8	1 34	14 0	1 11	22 31	0 58	15 17	0 42	22 27	1 4	14 30	7 53	23 29	23 31	23 10	4 35	6 10
S 18	19 17	3s36	5 0	21 3	2 3	23 4	0s 0	12 18	1 34	14 1	1 11	22 31	0 58	15 16	0 42	22 27	1 4	14 30	7 53	23 29	23 31	23 11	4 36	6 10
S 19	19 2	8 51	4 30	20 35	2 2	23 0	0 3	12 28	1 34	14 3	1 11	22 31	0 58	15 15	0 42	22 27	1 4	14 30	7 53	23 29	23 31	23 12	4 37	6 10
M20	18 47	13 47	3 45	20 6	2 0	22 55	0 6	12 37	1 34	14 5	1 11	22 31	0 58	15 14	0 42	22 27	1 4	14 30	7 53	23 29	23 31	23 13	4 38	6 11
T 21	18 32	18 4	2 44	19 35	1 58	22 50	0 8	12 47	1 34	14 6	1 11	22 32	0 58	15 13	0 42	22 27	1 4	14 30	7 52	23 29	23 31	23 14	4 40	6 11
W22	18 16	21 22	1 33	19 2	1 55	22 44	0 11	12 57	1 33	14 8	1 12	22 32	0 58	15 11	0 42	22 27	1 4	14 30	7 52	23 29	23 31	23 15	4 41	6 11
T 23	18 0	23 19	0 14	18 27	1 52	22 37	0 13	13 6	1 33	14 9	1 12	22 32	0 58	15 10	0 42	22 27	1 4	14 30	7 52	23 29	23 31	23 16	4 42	6 11
F 24	17 44	23 38	1s 7	17 51	1 48	22 30	0 16	13 16	1 33	14 10	1 12	22 32	0 58	15 9	0 42	22 27	1 4	14 30	7 52	23 29	23 31	23 16	4 43	6 11
S 25	17 27	22 15	2 23	17 13	1 44	22 21	0 19	13 25	1 33	14 12	1 12	22 32	0 58	15 8	0 42	22 27	1 4	14 31	7 52	23 29	23 31	23 17	4 45	6 11
S 26	17 10	19 21	3 29	16 34	1 39	22 13	0 21	13 34	1 33	14 13	1 12	22 32	0 58	15 7	0 42	22 27	1 5	14 31	7 51	23 29	23 31	23 18	4 46	6 12
M27	16 53	15 15	4 20	15 53	1 33	22 3	0 24	13 43	1 33	14 14	1 12	22 33	0 58	15 6	0 42	22 27	1 5	14 31	7 51	23 29	23 31	23 19	4 47	6 12
T 28	16 35	10 23	4 54	15 11	1 27	21 53	0 26	13 52	1 32	14 16	1 13	22 33	0 57	15 5	0 42	22 27	1 5	14 31	7 51	23 30	23 31	23 20	4 49	6 12
W29	16 18	5 6	5 9	14 28	1 20	21 42	0 28	14 1	1 32	14 17	1 13	22 33	0 57	15 4	0 42	22 27	1 5	14 31	7 51	23 30	23 32	23 21	4 50	6 12
T 30	16 0	0n14	5 6	13 43	1 12	21 30	0 31	14 10	1 32	14 18	1 13	22 33	0 57	15 3	0 42	22 27	1 5	14 31	7 51	23 30	23 32	23 22	4 52	6 12
F 31	15s41	5n24	4s48	12s57	1s 4	21s18	0s33	14s19	1n32	14s19	1n13	22s33	0n57	15s 1	0s42	22s27	1n 5	14n31	7s50	23n30	23n32	23n23	4n53	6s12

Julian Day Number = 2146208.5, Delta T = 14m43s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'03, Lahiri = 12°12'04 Julian Calendar 1 Jan. 1164 == Greg. Calendar 8 Jan. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

FEBRUARY 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 7 43	18♒24'59	7♉59	0♓35	28♉42	13♏20	11♏57	26♐56	21♒41	27♐32	11°R44	3°R31	2♋16	0♋32	2°R18	S 1
S 2	9 11 39	19°25'26	20°14	2°23	29°57	13°47	12° 1	27° 1	21°44	27°34	11♊43	3°D30	2°12	0°39	2♍14	S 2
M 3	9 15 36	20°25'52	2♊15	4° 9	1♒12	14°15	12° 4	27° 6	21°47	27°35	11°43	3♋31	2° 9	0°45	2° 9	M 3
T 4	9 19 32	21°26'16	14° 6	5°53	2°26	14°42	12° 7	27°12	21°51	27°37	11°43	3°32	2° 6	0°52	2° 4	T 4
W 5	9 23 29	22°26'37	25°52	7°34	3°41	15° 9	12°10	27°17	21°54	27°38	11°42	3°34	2° 3	0°59	2° 0	W 5
T 6	9 27 26	23°26'57	7♋40	9°13	4°56	15°35	12°13	27°22	21°58	27°40	11°42	3°R34	2° 0	1° 5	1°55	T 6
F 7	9 31 22	24°27'15	19°32	10°48	6°10	16° 2	12°15	27°26	22° 1	27°41	11°42	3°32	1°56	1°12	1°51	F 7
S 8	9 35 19	25°27'31	1♌33	12°20	7°25	16°28	12°18	27°31	22° 5	27°43	11°42	3°28	1°53	1°19	1°46	S 8
S 9	9 39 15	26°27'45	13°45	13°46	8°39	16°54	12°20	27°36	22° 8	27°44	11°41	3°22	1°50	1°25	1°41	S 9
M10	9 43 12	27°27'57	26°10	15° 8	9°54	17°20	12°22	27°41	22°12	27°45	11°41	3°14	1°47	1°32	1°37	M10
T 11	9 47 8	28°28'07	8♍48	16°24	11° 9	17°45	12°24	27°45	22°15	27°47	11°41	3° 4	1°44	1°39	1°32	T 11
W12	9 51 5	29°28'16	21°39	17°33	12°23	18°11	12°26	27°50	22°19	27°48	11°41	2°53	1°41	1°45	1°27	W12
T 13	9 55 1	0♓28'22	4♎44	18°35	13°38	18°36	12°27	27°54	22°22	27°49	11°41	2°43	1°37	1°52	1°23	T 13
F 14	9 58 58	1°28'27	18° 0	19°30	14°52	19° 1	12°29	27°59	22°25	27°51	11°41	2°35	1°34	1°59	1°18	F 14
S 15	10 2 54	2°28'31	1♏27	20°17	16° 7	19°25	12°30	28° 3	22°29	27°52	11°41	2°28	1°31	2° 5	1°13	S 15
S 16	10 6 51	3°28'32	15° 6	20°56	17°22	19°49	12°31	28° 7	22°32	27°53	11°41	2°25	1°28	2°12	1° 8	S 16
M17	10 10 48	4°28'32	28°55	21°26	18°36	20°13	12°31	28°11	22°36	27°54	11°41	2°D23	1°25	2°18	1° 4	M17
T 18	10 14 44	5°28'31	12♐55	21°47	19°51	20°37	12°32	28°15	22°39	27°55	11°D41	2°23	1°22	2°25	0°59	T 18
W19	10 18 41	6°28'27	27° 5	21°59	21° 5	21° 0	12°32	28°19	22°42	27°56	11°41	2°R24	1°18	2°32	0°54	W19
T 20	10 22 37	7°28'23	11♑24	22°R 2	22°20	21°23	12°33	28°23	22°46	27°58	11°41	2°23	1°15	2°38	0°50	T 20
F 21	10 26 34	8°28'16	25°50	21°57	23°34	21°46	12°R33	28°27	22°49	27°59	11°41	2°21	1°12	2°45	0°45	F 21
S 22	10 30 30	9°28'08	10♒20	21°43	24°49	22° 9	12°32	28°31	22°53	28° 0	11°41	2°17	1° 9	2°52	0°40	S 22
S 23	10 34 27	10°27'58	24°47	21°21	26° 4	22°31	12°32	28°34	22°56	28° 1	11°41	2° 9	1° 6	2°58	0°36	S 23
M24	10 38 23	11°27'45	9♓ 6	20°51	27°18	22°53	12°31	28°38	22°59	28° 2	11°41	1°59	1° 2	3° 5	0°31	M24
T 25	10 42 20	12°27'31	23°10	20°15	28°33	23°14	12°31	28°41	23° 3	28° 3	11°41	1°48	0°59	3°12	0°27	T 25
W26	10 46 17	13°27'15	6♈55	19°32	29°47	23°35	12°30	28°45	23° 6	28° 3	11°41	1°36	0°56	3°18	0°22	W26
T 27	10 50 13	14°26'56	20°18	18°45	1♓ 2	23°56	12°29	28°48	23° 9	28° 4	11°41	1°25	0°53	3°25	0°18	T 27
F 28	10 54 10	15°26'35	3♉16	17°55	2°16	24°16	12°27	28°51	23°12	28° 5	11°42	1°17	0°50	3°32	0°13	F 28
S 29	10 58 6	16♓26'12	15♉53	17♓ 1	3♓31	24♏36	12♏26	28♐55	23♒16	28♐ 6	11♊42	1♋10	0♋47	3♋38	0♍ 9	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s23	10n12	4s16	12s10	0s55	21s 6	0s36	14s27	1n31	14s20	1n13	22s33	0n57	15s 0	0s42	22s27	1n 5	14n32	7s50	23n30	23n32	23n23	4n55	6s12
S 2	15 4	14 28	3 33	11 23	0 45	20 52	0 38	14 36	1 31	14 21	1 13	22 33	0 58	14 59	0 42	22 27	1 5	14 32	7 50	23 30	23 32	23 24	4 56	6 12
M 3	14 45	18 4	2 41	10 35	0 35	20 38	0 40	14 44	1 31	14 22	1 14	22 33	0 58	14 58	0 42	22 27	1 5	14 32	7 50	23 30	23 32	23 25	4 58	6 12
T 4	14 25	20 53	1 43	9 46	0 24	20 23	0 42	14 53	1 31	14 22	1 14	22 34	0 58	14 57	0 42	22 27	1 5	14 32	7 50	23 30	23 32	23 26	4 59	6 12
W 5	14 6	22 47	0 42	8 57	0 12	20 8	0 44	15 1	1 30	14 23	1 14	22 34	0 58	14 56	0 42	22 27	1 5	14 32	7 49	23 30	23 32	23 27	5 1	6 12
T 6	13 46	23 42	0n22	8 9	0n 0	19 52	0 47	15 9	1 30	14 24	1 14	22 34	0 58	14 55	0 42	22 27	1 5	14 32	7 49	23 30	23 32	23 28	5 3	6 12
F 7	13 26	23 31	1 25	7 21	0 13	19 36	0 49	15 17	1 30	14 24	1 14	22 34	0 58	14 54	0 42	22 27	1 5	14 33	7 49	23 30	23 32	23 29	5 4	6 12
S 8	13 6	22 16	2 25	6 34	0 26	19 19	0 51	15 25	1 29	14 25	1 14	22 34	0 58	14 52	0 42	22 27	1 5	14 33	7 49	23 30	23 32	23 29	5 6	6 12
S 9	12 45	19 57	3 19	5 48	0 40	19 2	0 53	15 32	1 29	14 25	1 15	22 34	0 58	14 51	0 42	22 27	1 5	14 33	7 49	23 30	23 32	23 30	5 8	6 12
M10	12 24	16 41	4 4	5 3	0 54	18 44	0 55	15 40	1 29	14 26	1 15	22 34	0 58	14 50	0 42	22 27	1 5	14 33	7 48	23 30	23 32	23 31	5 10	6 12
T 11	12 4	12 36	4 38	4 20	1 9	18 25	0 57	15 47	1 28	14 26	1 15	22 34	0 58	14 49	0 42	22 27	1 5	14 33	7 48	23 31	23 32	23 32	5 11	6 12
W12	11 43	7 54	4 59	3 40	1 23	18 6	0 58	15 55	1 28	14 27	1 15	22 34	0 58	14 48	0 42	22 27	1 5	14 34	7 48	23 31	23 32	23 33	5 13	6 11
T 13	11 21	2 46	5 5	3 2	1 38	17 46	1 0	16 2	1 28	14 27	1 15	22 34	0 58	14 47	0 42	22 27	1 5	14 34	7 48	23 31	23 32	23 33	5 15	6 11
F 14	11 0	2s34	4 54	2 27	1 52	17 26	1 2	16 9	1 27	14 27	1 15	22 34	0 58	14 46	0 42	22 27	1 5	14 34	7 47	23 31	23 32	23 34	5 17	6 11
S 15	10 38	7 51	4 27	1 56	2 6	17 5	1 4	16 16	1 27	14 27	1 16	22 34	0 58	14 45	0 42	22 27	1 5	14 34	7 47	23 31	23 32	23 35	5 18	6 11
S 16	10 17	12 51	3 45	1 28	2 20	16 44	1 5	16 23	1 26	14 28	1 16	22 34	0 58	14 44	0 42	22 27	1 5	14 34	7 47	23 32	23 32	23 36	5 20	6 11
M17	9 55	17 16	2 49	1 4	2 33	16 23	1 7	16 30	1 26	14 28	1 16	22 34	0 58	14 42	0 42	22 27	1 5	14 35	7 47	23 32	23 32	23 36	5 22	6 11
T 18	9 33	20 46	1 42	0 44	2 46	16 1	1 9	16 37	1 25	14 28	1 16	22 35	0 58	14 41	0 42	22 27	1 5	14 35	7 47	23 32	23 32	23 37	5 24	6 10
W19	9 11	23 3	0 28	0 28	2 58	15 38	1 10	16 44	1 25	14 28	1 16	22 35	0 58	14 40	0 42	22 27	1 5	14 35	7 46	23 32	23 32	23 38	5 26	6 10
T 20	8 48	23 51	0s48	0 18	3 8	15 15	1 11	16 50	1 24	14 27	1 16	22 35	0 58	14 39	0 42	22 27	1 5	14 35	7 46	23 32	23 33	23 39	5 28	6 10
F 21	8 26	23 4	2 2	0 11	3 17	14 52	1 13	16 57	1 24	14 27	1 17	22 35	0 58	14 38	0 42	22 27	1 5	14 35	7 46	23 32	23 33	23 40	5 29	6 10
S 22	8 3	20 44	3 7	0 10	3 25	14 28	1 14	17 3	1 23	14 27	1 17	22 35	0 58	14 37	0 42	22 27	1 5	14 36	7 46	23 32	23 33	23 40	5 31	6 9
S 23	7 41	17 6	4 1	0 13	3 31	14 4	1 15	17 9	1 22	14 27	1 17	22 35	0 58	14 36	0 42	22 27	1 5	14 36	7 45	23 32	23 33	23 41	5 33	6 9
M24	7 18	12 30	4 39	0 20	3 36	13 40	1 17	17 15	1 22	14 27	1 17	22 35	0 58	14 35	0 42	22 27	1 5	14 36	7 45	23 32	23 33	23 42	5 35	6 9
T 25	6 55	7 17	4 59	0 32	3 39	13 15	1 18	17 21	1 21	14 26	1 17	22 35	0 58	14 34	0 42	22 27	1 5	14 36	7 45	23 32	23 33	23 42	5 37	6 9
W26	6 32	1 51	5 1	0 48	3 40	12 50	1 19	17 27	1 21	14 26	1 17	22 35	0 58	14 33	0 42	22 27	1 5	14 37	7 45	23 32	23 33	23 43	5 39	6 8
T 27	6 9	3n33	4 46	1 7	3 38	12 24	1 20	17 33	1 20	14 25	1 18	22 35	0 58	14 31	0 42	22 27	1 5	14 37	7 45	23 32	23 33	23 44	5 41	6 8
F 28	5 46	8 38	4 17	1 30	3 35	11 58	1 21	17 39	1 19	14 25	1 18	22 35	0 58	14 30	0 42	22 27	1 5	14 37	7 44	23 32	23 33	23 45	5 43	6 8
S 29	5s23	13n13	3s36	1s55	3n30	11s32	1s22	17s44	1n19	14s24	1n18	22s35	0n58	14s29	0s42	22s27	1n 5	14n37	7s44	23n33	23n33	23n45	5n44	6s 7

Julian Day Number = 2146239.5, Delta T = 14m43s
Ecliptic obliquity = 23°32'52, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'07, Lahiri = 12°12'08 Julian Calendar 1 Feb. 1164 == Greg. Calendar 8 Feb. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

MARCH 1164 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 3	17♓25'47	28♉10	16°R 7	4♓45	24♏56	12°R24	28♐58	23♒19	28♐ 7	11♊42	1°R 7	0♋43	3♋45	0°R 4	S 1
M 2	11 5 59	18°25'20	10♊12	15♓12	6° 0	25°15	12♏22	29° 1	23°22	28° 7	11°42	1♋ 5	0°40	3°51	29♌59	M 2
T 3	11 9 56	19°24'50	22° 4	14°18	7°14	25°34	12°20	29° 4	23°25	28° 8	11°43	1°D 5	0°37	3°58	29°56	T 3
W 4	11 13 52	20°24'18	3♋51	13°26	8°28	25°52	12°18	29° 6	23°28	28° 9	11°43	1°R 5	0°34	4° 5	29°51	W 4
T 5	11 17 49	21°23'43	15°40	12°37	9°43	26°10	12°16	29° 9	23°32	28° 9	11°43	1° 4	0°31	4°11	29°47	T 5
F 6	11 21 46	22°23'06	27°35	11°51	10°57	26°28	12°13	29°12	23°35	28°10	11°44	1° 2	0°28	4°18	29°43	F 6
S 7	11 25 42	23°22'27	9♌42	11°11	12°12	26°45	12°10	29°14	23°38	28°11	11°44	0°56	0°24	4°25	29°39	S 7
S 8	11 29 39	24°21'45	22° 2	10°34	13°26	27° 2	12° 7	29°17	23°41	28°11	11°45	0°49	0°21	4°31	29°35	S 8
M 9	11 33 35	25°21'02	4♍40	10° 4	14°40	27°18	12° 4	29°19	23°44	28°12	11°45	0°38	0°18	4°38	29°31	M 9
T 10	11 37 32	26°20'16	17°35	9°39	15°55	27°34	12° 1	29°21	23°47	28°12	11°45	0°26	0°15	4°45	29°27	T 10
W11	11 41 28	27°19'28	0♎48	9°19	17° 9	27°49	11°57	29°23	23°50	28°13	11°46	0°13	0°12	4°51	29°23	W11
T 12	11 45 25	28°18'37	14°16	9° 5	18°23	28° 4	11°54	29°25	23°53	28°13	11°46	0° 0	0° 8	4°58	29°19	T 12
F 13	11 49 21	29°17'45	27°57	8°57	19°38	28°18	11°50	29°27	23°56	28°13	11°47	29♊49	0° 5	5° 5	29°16	F 13
S 14	11 53 18	0♈16'51	11♏48	8°D55	20°52	28°32	11°46	29°29	23°59	28°14	11°47	29°41	0° 2	5°11	29°12	S 14
S 15	11 57 15	1°15'55	25°45	8°58	22° 6	28°45	11°42	29°31	24° 2	28°14	11°48	29°36	29♊59	5°18	29° 8	S 15
M16	12 1 11	2°14'58	9♐47	9° 7	23°21	28°58	11°37	29°33	24° 5	28°14	11°49	29°33	29°56	5°25	29° 5	M16
T 17	12 5 8	3°13'58	23°51	9°21	24°35	29°10	11°33	29°34	24° 8	28°15	11°49	29°32	29°53	5°31	29° 2	T 17
W18	12 9 4	4°12'57	7♑57	9°39	25°49	29°22	11°28	29°36	24°11	28°15	11°50	29°32	29°49	5°38	28°58	W18
T 19	12 13 1	5°11'54	22° 4	10° 3	27° 4	29°33	11°24	29°37	24°13	28°15	11°51	29°31	29°46	5°44	28°55	T 19
F 20	12 16 57	6°10'49	6♒10	10°31	28°18	29°44	11°19	29°38	24°16	28°15	11°51	29°29	29°43	5°51	28°52	F 20
S 21	12 20 54	7° 9'43	20°15	11° 3	29°32	29°54	11°14	29°40	24°19	28°15	11°52	29°24	29°40	5°58	28°49	S 21
S 22	12 24 50	8° 8'34	4♓16	11°40	0♈46	0♐ 3	11° 8	29°41	24°22	28°15	11°53	29°16	29°37	6° 4	28°46	S 22
M23	12 28 47	9° 7'24	18° 8	12°20	2° 1	0°12	11° 3	29°42	24°24	28°15	11°53	29° 6	29°33	6°11	28°43	M23
T 24	12 32 44	10° 6'12	1♈49	13° 4	3°15	0°20	10°57	29°43	24°27	28°R15	11°54	28°54	29°30	6°18	28°40	T 24
W25	12 36 40	11° 4'58	15°15	13°52	4°29	0°28	10°52	29°43	24°30	28°15	11°55	28°41	29°27	6°24	28°37	W25
T 26	12 40 37	12° 3'41	28°24	14°43	5°43	0°35	10°46	29°44	24°32	28°15	11°56	28°29	29°24	6°31	28°35	T 26
F 27	12 44 33	13° 2'23	11♉14	15°37	6°57	0°41	10°40	29°45	24°35	28°15	11°56	28°20	29°21	6°38	28°32	F 27
S 28	12 48 30	14° 1'03	23°45	16°34	8°12	0°46	10°34	29°45	24°37	28°15	11°57	28°13	29°18	6°44	28°30	S 28
S 29	12 52 26	14°59'40	6♊ 0	17°34	9°26	0°51	10°28	29°46	24°40	28°15	11°58	28° 8	29°14	6°51	28°27	S 29
M30	12 56 23	15°58'16	18° 1	18°36	10°40	0°55	10°22	29°46	24°42	28°15	11°59	28° 6	29°11	6°58	28°25	M30
T 31	13 0 19	16♈56'49	29♊53	19♓42	11♈54	0♐59	10♏15	29♐46	24♒45	28♐15	12♊ 0	28°D 5	29♊ 8	7♋ 4	28♌23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s59	17n 9	2s45	2s23	3n24	11s 5	1s22	17s50	1n18	14s23	1n18	22s35	0n58	14s28	0s42	22s27	1n 5	14n38	7s44	23n33	23n33	23n46	5n46	6s 7
M 2	4 36	20 17	1 49	2 52	3 15	10 38	1 23	17 55	1 17	14 23	1 18	22 35	0 58	14 27	0 42	22 27	1 5	14 38	7 44	23 33	23 33	23 47	5 48	6 6
T 3	4 13	22 31	0 48	3 22	3 5	10 11	1 24	18 0	1 16	14 22	1 18	22 35	0 58	14 26	0 42	22 27	1 5	14 38	7 44	23 33	23 33	23 47	5 50	6 6
W 4	3 49	23 44	0n15	3 52	2 54	9 44	1 24	18 5	1 15	14 21	1 19	22 35	0 58	14 25	0 42	22 27	1 5	14 38	7 43	23 33	23 33	23 48	5 52	6 6
T 5	3 26	23 53	1 17	4 23	2 41	9 16	1 25	18 10	1 15	14 20	1 19	22 35	0 58	14 24	0 42	22 27	1 5	14 39	7 43	23 33	23 33	23 49	5 54	6 5
F 6	3 2	22 57	2 16	4 52	2 28	8 48	1 25	18 15	1 14	14 19	1 19	22 35	0 58	14 23	0 42	22 27	1 5	14 39	7 43	23 33	23 33	23 49	5 56	6 5
S 7	2 39	20 56	3 9	5 21	2 13	8 20	1 26	18 20	1 13	14 18	1 19	22 35	0 58	14 22	0 42	22 27	1 5	14 39	7 43	23 33	23 33	23 50	5 57	6 4
S 8	2 15	17 56	3 55	5 49	1 58	7 52	1 26	18 25	1 12	14 17	1 19	22 35	0 58	14 21	0 42	22 27	1 5	14 39	7 42	23 33	23 33	23 51	5 59	6 4
M 9	1 51	14 2	4 30	6 14	1 43	7 24	1 27	18 30	1 11	14 16	1 19	22 35	0 58	14 20	0 42	22 27	1 6	14 40	7 42	23 33	23 33	23 51	6 1	6 3
T 10	1 28	9 25	4 53	6 38	1 28	6 55	1 27	18 34	1 10	14 15	1 19	22 35	0 58	14 19	0 42	22 27	1 6	14 40	7 42	23 33	23 33	23 52	6 3	6 3
W11	1 4	4 16	5 0	7 0	1 12	6 26	1 27	18 39	1 9	14 14	1 19	22 35	0 58	14 18	0 42	22 27	1 6	14 40	7 42	23 33	23 33	23 53	6 5	6 2
T 12	0 40	1s11	4 51	7 19	0 57	5 57	1 27	18 43	1 8	14 13	1 20	22 35	0 58	14 17	0 42	22 27	1 6	14 41	7 42	23 33	23 33	23 53	6 6	6 2
F 13	0 17	6 40	4 25	7 37	0 41	5 28	1 27	18 47	1 7	14 11	1 20	22 35	0 58	14 16	0 42	22 27	1 6	14 41	7 41	23 33	23 33	23 54	6 8	6 1
S 14	0n 7	11 54	3 44	7 51	0 26	4 58	1 27	18 51	1 6	14 10	1 20	22 35	0 58	14 15	0 42	22 27	1 6	14 41	7 41	23 33	23 33	23 55	6 10	6 1
S 15	0 30	16 33	2 48	8 4	0 12	4 29	1 27	18 56	1 4	14 9	1 20	22 35	0 58	14 14	0 42	22 26	1 6	14 41	7 41	23 33	23 33	23 55	6 12	6 0
M16	0 54	20 20	1 42	8 13	0s 2	3 59	1 27	19 0	1 3	14 7	1 20	22 35	0 58	14 13	0 42	22 26	1 6	14 42	7 41	23 33	23 33	23 56	6 13	6 0
T 17	1 17	22 54	0 30	8 21	0 16	3 29	1 27	19 3	1 2	14 6	1 20	22 35	0 58	14 12	0 42	22 26	1 6	14 42	7 41	23 33	23 33	23 56	6 15	5 59
W18	1 41	24 3	0s44	8 26	0 29	2 59	1 26	19 7	1 1	14 4	1 20	22 35	0 58	14 11	0 43	22 26	1 6	14 42	7 40	23 33	23 33	23 57	6 17	5 58
T 19	2 4	23 39	1 56	8 29	0 42	2 29	1 26	19 11	0 59	14 3	1 20	22 35	0 58	14 10	0 43	22 26	1 6	14 42	7 40	23 33	23 33	23 58	6 19	5 58
F 20	2 28	21 44	3 1	8 29	0 54	1 59	1 26	19 14	0 58	14 1	1 20	22 35	0 58	14 10	0 43	22 26	1 6	14 43	7 40	23 33	23 33	23 58	6 20	5 57
S 21	2 51	18 30	3 54	8 27	1 5	1 29	1 25	19 18	0 57	13 59	1 21	22 35	0 58	14 9	0 43	22 26	1 6	14 43	7 40	23 33	23 33	23 59	6 22	5 57
S 22	3 15	14 13	4 33	8 23	1 16	0 59	1 25	19 21	0 55	13 58	1 21	22 35	0 58	14 8	0 43	22 26	1 6	14 43	7 40	23 33	23 33	23 59	6 23	5 56
M23	3 38	9 14	4 55	8 17	1 26	0 29	1 24	19 25	0 54	13 56	1 21	22 34	0 58	14 7	0 43	22 26	1 6	14 44	7 39	23 33	23 33	24 0	6 25	5 55
T 24	4 1	3 52	5 0	8 9	1 35	0n 1	1 23	19 28	0 52	13 54	1 21	22 34	0 58	14 6	0 43	22 26	1 6	14 44	7 39	23 33	23 33	24 0	6 27	5 55
W25	4 24	1n36	4 49	7 59	1 44	0 32	1 23	19 31	0 51	13 52	1 21	22 34	0 58	14 5	0 43	22 26	1 6	14 44	7 39	23 32	23 33	24 1	6 28	5 54
T 26	4 47	6 53	4 21	7 46	1 52	1 2	1 22	19 34	0 49	13 50	1 21	22 34	0 58	14 4	0 43	22 26	1 6	14 44	7 39	23 32	23 33	24 2	6 30	5 53
F 27	5 10	11 45	3 42	7 32	2 0	1 32	1 21	19 37	0 47	13 49	1 21	22 34	0 58	14 4	0 43	22 26	1 6	14 45	7 39	23 32	23 33	24 2	6 31	5 53
S 28	5 33	16 1	2 52	7 17	2 7	2 2	1 20	19 40	0 46	13 47	1 21	22 34	0 58	14 3	0 43	22 26	1 6	14 45	7 38	23 32	23 33	24 3	6 33	5 52
S 29	5 56	19 31	1 55	6 59	2 13	2 32	1 19	19 42	0 44	13 45	1 21	22 34	0 59	14 2	0 43	22 26	1 6	14 45	7 38	23 32	23 33	24 3	6 34	5 51
M30	6 19	22 7	0 53	6 40	2 19	3 2	1 18	19 45	0 42	13 43	1 21	22 34	0 59	14 1	0 43	22 26	1 6	14 46	7 38	23 32	23 33	24 4	6 35	5 51
T 31	6n41	23n42	0n10	6s19	2s24	3n33	1s17	19s47	0n40	13s41	1n21	22s34	0n59	14s 0	0s43	22s26	1n 6	14n46	7s38	23n32	23n33	24n 4	6n37	5s50

Julian Day Number = 2146268.5, Delta T = 14m43s
Ecliptic obliquity = 23°32'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'11, Lahiri = 12°12'12 Julian Calendar 1 March 1164 == Greg. Calendar 8 March 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

APRIL 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 4 16	17♈55'20	11♋41	20♓50	13♈ 8	1♐ 2	10°R 9	29♐46	24♒47	28°R14	12♊ 1	28♊ 6	29♊ 5	7♋11	28°R21	W 1
T 2	13 8 12	18°53'48	23°31	22° 0	14°22	1° 4	10♏ 2	29°R46	24°50	28♐14	12° 2	28°R 6	29° 2	7°17	28♌19	T 2
F 3	13 12 9	19°52'15	5♌27	23°13	15°36	1° 5	9°56	29°46	24°52	28°14	12° 2	28° 5	28°59	7°24	28°17	F 3
S 4	13 16 6	20°50'39	17°36	24°28	16°50	1°R 6	9°49	29°46	24°54	28°13	12° 3	28° 1	28°55	7°31	28°15	S 4
S 5	13 20 2	21°49'02	0♍ 1	25°45	18° 4	1° 6	9°42	29°46	24°56	28°13	12° 4	27°56	28°52	7°37	28°13	S 5
M 6	13 23 59	22°47'22	12°46	27° 5	19°18	1° 5	9°35	29°45	24°59	28°13	12° 5	27°48	28°49	7°44	28°12	M 6
T 7	13 27 55	23°45'40	25°52	28°26	20°32	1° 3	9°28	29°45	25° 1	28°12	12° 6	27°38	28°46	7°51	28°10	T 7
W 8	13 31 52	24°43'56	9♎21	29°50	21°46	1° 1	9°21	29°44	25° 3	28°12	12° 7	27°28	28°43	7°57	28° 9	W 8
T 9	13 35 48	25°42'10	23°10	1♈16	23° 0	0°58	9°14	29°44	25° 5	28°11	12° 8	27°18	28°39	8° 4	28° 8	T 9
F 10	13 39 45	26°40'22	7♏15	2°43	24°14	0°54	9° 6	29°43	25° 7	28°11	12° 9	27° 9	28°36	8°11	28° 7	F 10
S 11	13 43 41	27°38'33	21°32	4°13	25°28	0°50	8°59	29°42	25° 9	28°10	12°10	27° 2	28°33	8°17	28° 6	S 11
S 12	13 47 38	28°36'42	5♐54	5°44	26°42	0°45	8°52	29°41	25°11	28° 9	12°11	26°58	28°30	8°24	28° 5	S 12
M13	13 51 35	29°34'49	20°18	7°18	27°56	0°38	8°44	29°40	25°13	28° 9	12°13	26°D56	28°27	8°31	28° 4	M13
T 14	13 55 31	0♑32'55	4♑39	8°53	29°10	0°32	8°37	29°39	25°15	28° 8	12°14	26°56	28°24	8°37	28° 3	T 14
W15	13 59 28	1°31'00	18°54	10°31	0♑24	0°24	8°29	29°38	25°17	28° 7	12°15	26°57	28°20	8°44	28° 3	W15
T 16	14 3 24	2°29'03	3♒ 1	12°10	1°38	0°16	8°22	29°36	25°19	28° 7	12°16	26°R58	28°17	8°51	28° 2	T 16
F 17	14 7 21	3°27'05	17° 0	13°51	2°52	0° 7	8°14	29°35	25°20	28° 6	12°17	26°57	28°14	8°57	28° 2	F 17
S 18	14 11 17	4°25'05	0♓49	15°34	4° 6	29♏57	8° 7	29°34	25°22	28° 5	12°18	26°54	28°11	9° 4	28° 2	S 18
S 19	14 15 14	5°23'04	14°28	17°19	5°20	29°46	7°59	29°32	25°24	28° 4	12°19	26°49	28° 8	9°10	28° 2	S 19
M20	14 19 10	6°21'02	27°57	19° 6	6°34	29°35	7°51	29°30	25°25	28° 4	12°20	26°42	28° 5	9°17	28°D 2	M20
T 21	14 23 7	7°18'58	11♈13	20°55	7°48	29°23	7°44	29°29	25°27	28° 3	12°22	26°34	28° 1	9°24	28° 2	T 21
W22	14 27 4	8°16'53	24°15	22°45	9° 2	29°10	7°36	29°27	25°29	28° 2	12°23	26°25	27°58	9°30	28° 2	W22
T 23	14 31 0	9°14'46	7♉ 4	24°38	10°16	28°57	7°28	29°25	25°30	28° 1	12°24	26°17	27°55	9°37	28° 2	T 23
F 24	14 34 57	10°12'38	19°38	26°33	11°30	28°43	7°21	29°23	25°32	28° 0	12°25	26°11	27°52	9°44	28° 3	F 24
S 25	14 38 53	11°10'28	1♊58	28°29	12°43	28°28	7°13	29°21	25°33	27°59	12°26	26° 6	27°49	9°50	28° 3	S 25
S 26	14 42 50	12° 8'17	14° 5	0♉27	13°57	28°12	7° 5	29°18	25°34	27°58	12°28	26° 3	27°45	9°57	28° 4	S 26
M27	14 46 46	13° 6'04	26° 3	2°28	15°11	27°57	6°58	29°16	25°36	27°57	12°29	26°D 2	27°42	10° 4	28° 4	M27
T 28	14 50 43	14° 3'49	7♋53	4°30	16°25	27°40	6°50	29°14	25°37	27°56	12°30	26° 3	27°39	10°10	28° 5	T 28
W29	14 54 39	15° 1'33	19°41	6°33	17°39	27°23	6°43	29°11	25°38	27°55	12°31	26° 4	27°36	10°17	28° 6	W29
T 30	14 58 36	15♉59'16	1♌30	8♉38	18♉53	27♏ 6	6♏35	29♐ 9	25♒39	27♐54	12♊33	26♊ 6	27♊33	10♋24	28♌ 7	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 4	24n13	1n12	5s56	2s29	4n 3	1s16	19s50	0n38	13s38	1n21	22s34	0n59	14s 0	0s43	22s26	1n 6	14n46	7s38	23n32	23n33	24n 5	6n38	5s49
T 2	7 26	23 39	2 11	5 32	2 33	4 32	1 15	19 52	0 36	13 36	1 21	22 34	0 59	13 59	0 43	22 26	1 6	14 47	7 37	23 32	23 33	24 5	6 40	5 49
F 3	7 48	21 59	3 5	5 6	2 36	5 2	1 14	19 54	0 34	13 34	1 21	22 34	0 59	13 58	0 43	22 26	1 6	14 47	7 37	23 32	23 33	24 6	6 41	5 48
S 4	8 10	19 18	3 52	4 38	2 39	5 32	1 12	19 57	0 32	13 32	1 21	22 34	0 59	13 57	0 43	22 26	1 6	14 47	7 37	23 32	23 33	24 6	6 42	5 47
S 5	8 32	15 42	4 29	4 10	2 41	6 2	1 11	19 59	0 30	13 30	1 21	22 34	0 59	13 57	0 43	22 26	1 6	14 47	7 37	23 32	23 33	24 7	6 43	5 47
M 6	8 54	11 19	4 53	3 39	2 43	6 31	1 10	20 1	0 28	13 28	1 21	22 34	0 59	13 56	0 43	22 26	1 6	14 48	7 37	23 32	23 33	24 7	6 45	5 46
T 7	9 16	6 17	5 4	3 8	2 44	7 0	1 8	20 2	0 26	13 25	1 21	22 34	0 59	13 55	0 43	22 26	1 6	14 48	7 37	23 32	23 33	24 8	6 46	5 45
W 8	9 37	0 50	4 57	2 35	2 44	7 30	1 7	20 4	0 24	13 23	1 21	22 34	0 59	13 54	0 43	22 26	1 6	14 48	7 36	23 31	23 32	24 8	6 47	5 44
T 9	9 59	4s48	4 34	2 0	2 44	7 59	1 5	20 6	0 21	13 21	1 21	22 34	0 59	13 54	0 43	22 26	1 6	14 49	7 36	23 31	23 32	24 9	6 48	5 44
F 10	10 20	10 19	3 53	1 25	2 44	8 27	1 4	20 7	0 19	13 19	1 21	22 34	0 59	13 53	0 43	22 26	1 6	14 49	7 36	23 31	23 32	24 9	6 49	5 43
S 11	10 41	15 22	2 58	0 48	2 42	8 56	1 2	20 9	0 17	13 16	1 21	22 34	0 59	13 52	0 43	22 26	1 6	14 49	7 36	23 31	23 32	24 9	6 50	5 42
S 12	11 2	19 35	1 50	0 10	2 40	9 24	1 0	20 10	0 14	13 14	1 21	22 34	0 59	13 52	0 43	22 26	1 6	14 49	7 36	23 31	23 32	24 10	6 51	5 41
M13	11 22	22 36	0 36	0n29	2 38	9 53	0 59	20 11	0 12	13 12	1 21	22 34	0 59	13 51	0 43	22 26	1 6	14 50	7 36	23 31	23 32	24 10	6 52	5 41
T 14	11 43	24 9	0s41	1 10	2 35	10 21	0 57	20 12	0 9	13 9	1 21	22 34	0 59	13 51	0 43	22 26	1 6	14 50	7 35	23 31	23 32	24 11	6 53	5 40
W15	12 3	24 6	1 55	1 51	2 32	10 49	0 55	20 13	0 7	13 7	1 21	22 34	0 59	13 50	0 43	22 26	1 6	14 50	7 35	23 31	23 32	24 11	6 54	5 39
T 16	12 23	22 31	3 1	2 34	2 28	11 16	0 53	20 14	0 4	13 4	1 21	22 34	0 59	13 49	0 43	22 26	1 7	14 51	7 35	23 31	23 32	24 12	6 55	5 38
F 17	12 43	19 33	3 56	3 17	2 23	11 43	0 51	20 15	0 1	13 2	1 21	22 34	0 59	13 49	0 43	22 26	1 7	14 51	7 35	23 31	23 32	24 12	6 56	5 38
S 18	13 3	15 32	4 36	4 2	2 18	12 10	0 49	20 15	0s 2	13 0	1 21	22 34	0 59	13 48	0 43	22 25	1 7	14 51	7 35	23 31	23 32	24 12	6 57	5 37
S 19	13 23	10 45	5 0	4 47	2 13	12 37	0 47	20 16	0 4	12 57	1 21	22 34	0 59	13 48	0 43	22 25	1 7	14 52	7 35	23 31	23 32	24 13	6 57	5 36
M20	13 42	5 30	5 7	5 34	2 7	13 3	0 45	20 16	0 7	12 55	1 21	22 34	0 59	13 47	0 44	22 25	1 7	14 52	7 34	23 30	23 32	24 13	6 58	5 35
T 21	14 1	0 6	4 57	6 21	2 0	13 29	0 43	20 17	0 10	12 52	1 21	22 34	0 59	13 47	0 44	22 25	1 7	14 52	7 34	23 30	23 32	24 14	6 59	5 34
W22	14 20	5n14	4 32	7 9	1 53	13 55	0 41	20 17	0 13	12 50	1 21	22 34	0 59	13 46	0 44	22 25	1 7	14 52	7 34	23 30	23 32	24 14	6 59	5 34
T 23	14 38	10 15	3 53	7 57	1 45	14 21	0 39	20 17	0 16	12 48	1 21	22 34	0 59	13 46	0 44	22 25	1 7	14 53	7 34	23 30	23 32	24 14	7 0	5 33
F 24	14 57	14 46	3 4	8 46	1 37	14 46	0 37	20 16	0 19	12 45	1 21	22 34	0 59	13 45	0 44	22 25	1 7	14 53	7 34	23 30	23 32	24 15	7 1	5 32
S 25	15 15	18 35	2 7	9 36	1 29	15 10	0 35	20 16	0 22	12 43	1 21	22 34	0 59	13 45	0 44	22 25	1 7	14 53	7 34	23 29	23 32	24 15	7 1	5 31
S 26	15 33	21 32	1 4	10 26	1 20	15 35	0 33	20 16	0 25	12 40	1 21	22 34	0 59	13 44	0 44	22 25	1 7	14 54	7 34	23 29	23 32	24 16	7 2	5 31
M27	15 51	23 29	0n 0	11 16	1 11	15 59	0 30	20 15	0 29	12 38	1 20	22 34	0 59	13 44	0 44	22 25	1 7	14 54	7 34	23 29	23 32	24 16	7 2	5 30
T 28	16 8	24 23	1 4	12 7	1 1	16 22	0 28	20 15	0 32	12 36	1 20	22 34	0 59	13 44	0 44	22 25	1 7	14 54	7 33	23 29	23 32	24 16	7 3	5 29
W29	16 25	24 10	2 5	12 57	0 52	16 45	0 26	20 14	0 35	12 33	1 20	22 34	0 59	13 43	0 44	22 25	1 7	14 54	7 33	23 29	23 32	24 17	7 3	5 28
T 30	16n42	22n51	3n 1	13n47	0s41	17n 8	0s24	20s13	0s38	12s31	1n20	22s34	0n59	13s43	0s44	22s25	1n 7	14n55	7s33	23n29	23n31	24n17	7n 3	5s27

Julian Day Number = 2146299.5, Delta T = 14m42s
Ecliptic obliquity = 23°32'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'16, Lahiri = 12°12'16 Julian Calendar 1 Apr. 1164 == Greg. Calendar 8 Apr. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

MAY 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 2 33	16♉56'56	13♌27	10♉45	20♉ 6	26°R48	6°R28	29°R 6	25♒41	27°R53	12♊34	26°R 7	27♊30	10♋30	28♌ 9	F 1
S 2	15 6 29	17°54'35	25°35	12°53	21°20	26♏29	6♏20	29♐ 3	25°42	27♐52	12°35	26♊ 7	27°26	10°37	28°10	S 2
S 3	15 10 26	18°52'13	8♍ 0	15° 2	22°34	26°10	6°13	29° 1	25°43	27°51	12°37	26° 5	27°23	10°44	28°11	S 3
M 4	15 14 22	19°49'48	20°45	17°12	23°48	25°51	6° 6	28°58	25°44	27°49	12°38	26° 2	27°20	10°50	28°13	M 4
T 5	15 18 19	20°47'23	3♎55	19°23	25° 1	25°32	5°59	28°55	25°45	27°48	12°39	25°57	27°17	10°57	28°14	T 5
W 6	15 22 15	21°44'56	17°30	21°35	26°15	25°12	5°52	28°52	25°46	27°47	12°41	25°52	27°14	11° 3	28°16	W 6
T 7	15 26 12	22°42'27	1♏30	23°46	27°29	24°52	5°44	28°49	25°46	27°46	12°42	25°47	27°10	11°10	28°18	T 7
F 8	15 30 8	23°39'57	15°51	25°58	28°43	24°32	5°37	28°46	25°47	27°45	12°43	25°43	27° 7	11°17	28°20	F 8
S 9	15 34 5	24°37'27	0♐28	28°10	29°56	24°12	5°31	28°42	25°48	27°43	12°45	25°39	27° 4	11°23	28°22	S 9
S 10	15 38 2	25°34'55	15°14	0♊21	1♊10	23°51	5°24	28°39	25°49	27°42	12°46	25°38	27° 1	11°30	28°24	S 10
M11	15 41 58	26°32'22	0♑ 3	2°31	2°24	23°31	5°17	28°36	25°49	27°41	12°47	25°D37	26°58	11°37	28°27	M11
T 12	15 45 55	27°29'48	14°46	4°40	3°37	23°10	5°10	28°32	25°50	27°39	12°49	25°38	26°55	11°43	28°29	T 12
W13	15 49 51	28°27'14	29°19	6°47	4°51	22°50	5° 4	28°29	25°51	27°38	12°50	25°40	26°51	11°50	28°31	W13
T 14	15 53 48	29°24'39	13♒38	8°54	6° 5	22°29	4°57	28°26	25°51	27°37	12°52	25°41	26°48	11°57	28°34	T 14
F 15	15 57 44	0♊22'03	27°41	10°58	7°18	22° 9	4°51	28°22	25°52	27°35	12°53	25°R42	26°45	12° 3	28°37	F 15
S 16	16 1 41	1°19'26	11♓26	13° 1	8°32	21°49	4°45	28°18	25°52	27°34	12°54	25°41	26°42	12°10	28°40	S 16
S 17	16 5 37	2°16'49	24°54	15° 1	9°46	21°29	4°39	28°15	25°52	27°33	12°56	25°40	26°39	12°17	28°42	S 17
M18	16 9 34	3°14'11	8♈ 5	17° 0	10°59	21° 9	4°33	28°11	25°53	27°31	12°57	25°37	26°36	12°23	28°45	M18
T 19	16 13 31	4°11'32	21° 1	18°56	12°13	20°50	4°27	28° 7	25°53	27°30	12°59	25°35	26°32	12°30	28°49	T 19
W20	16 17 27	5° 8'53	3♉43	20°50	13°27	20°31	4°21	28° 3	25°53	27°28	13° 0	25°31	26°29	12°37	28°52	W20
T 21	16 21 24	6° 6'13	16°12	22°41	14°40	20°12	4°16	27°59	25°53	27°27	13° 1	25°28	26°26	12°43	28°55	T 21
F 22	16 25 20	7° 3'33	28°29	24°30	15°54	19°54	4°10	27°55	25°54	27°25	13° 3	25°26	26°23	12°50	28°59	F 22
S 23	16 29 17	8° 0'52	10♊36	26°17	17° 8	19°36	4° 5	27°51	25°54	27°24	13° 4	25°25	26°20	12°57	29° 2	S 23
S 24	16 33 13	8°58'10	22°35	28° 1	18°21	19°19	4° 0	27°47	25°R54	27°22	13° 6	25°D24	26°16	13° 3	29° 6	S 24
M25	16 37 10	9°55'27	4♋27	29°43	19°35	19° 2	3°55	27°43	25°54	27°21	13° 7	25°24	26°13	13°10	29° 9	M25
T 26	16 41 6	10°52'44	16°15	1♋22	20°49	18°46	3°50	27°39	25°54	27°19	13° 8	25°25	26°10	13°17	29°13	T 26
W27	16 45 3	11°50'00	28° 2	2°58	22° 2	18°31	3°45	27°35	25°54	27°18	13°10	25°26	26° 7	13°23	29°17	W27
T 28	16 49 0	12°47'16	9♌52	4°32	23°16	18°16	3°40	27°31	25°53	27°16	13°11	25°27	26° 4	13°30	29°21	T 28
F 29	16 52 56	13°44'30	21°49	6° 4	24°29	18° 2	3°36	27°27	25°53	27°15	13°13	25°28	26° 1	13°36	29°25	F 29
S 30	16 56 53	14°41'44	3♍57	7°32	25°43	17°48	3°32	27°23	25°53	27°13	13°14	25°29	25°57	13°43	29°29	S 30
S 31	17 0 49	15♊38'57	16♍20	8♋59	26♊57	17♏35	3♏28	27♐18	25♒53	27♐11	13♊16	25°R29	25♊54	13♋50	29♌34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n58	20n31	3n50	14n37	0s31	17n30	0s21	20s12	0s41	12s29	1n20	22s34	0n59	13s42	0s44	22s25	1n 7	14n55	7s33	23n29	23n31	24n17	7n 4	5s27	F 1
S 2	17 15	17 16	4 29	15 27	0 21	17 52	0 19	20 11	0 45	12 26	1 20	22 34	0 59	13 42	0 44	22 25	1 7	14 55	7 33	23 29	23 31	24 18	7 4	5 26	S 2
S 3	17 31	13 11	4 56	16 16	0 10	18 14	0 17	20 10	0 48	12 24	1 20	22 34	0 59	13 42	0 44	22 25	1 7	14 55	7 33	23 29	23 31	24 18	7 4	5 25	S 3
M 4	17 47	8 26	5 10	17 3	0n 0	18 34	0 14	20 8	0 51	12 22	1 20	22 34	0 59	13 42	0 44	22 25	1 7	14 56	7 33	23 29	23 31	24 18	7 4	5 24	M 4
T 5	18 2	3 9	5 9	17 50	0 11	18 55	0 12	20 7	0 54	12 19	1 19	22 34	0 59	13 41	0 44	22 25	1 7	14 56	7 33	23 29	23 31	24 19	7 5	5 23	T 5
W 6	18 17	2s26	4 50	18 35	0 21	19 15	0 10	20 5	0 58	12 17	1 19	22 34	0 59	13 41	0 44	22 25	1 7	14 56	7 32	23 29	23 31	24 19	7 5	5 23	W 6
T 7	18 32	8 5	4 14	19 19	0 32	19 34	0 7	20 3	1 1	12 15	1 19	22 34	0 59	13 41	0 44	22 25	1 7	14 57	7 32	23 29	23 31	24 19	7 5	5 22	T 7
F 8	18 46	13 27	3 21	20 1	0 42	19 53	0 5	20 2	1 4	12 13	1 19	22 34	0 59	13 40	0 44	22 25	1 7	14 57	7 32	23 29	23 31	24 19	7 5	5 21	F 8
S 9	19 1	18 10	2 14	20 41	0 52	20 11	0 3	20 0	1 8	12 11	1 19	22 34	0 59	13 40	0 44	22 25	1 7	14 57	7 32	23 29	23 31	24 20	7 5	5 20	S 9
S 10	19 15	21 47	0 57	21 18	1 1	20 29	0 0	19 58	1 11	12 9	1 19	22 34	0 59	13 40	0 44	22 25	1 7	14 57	7 32	23 29	23 31	24 20	7 5	5 20	S 10
M11	19 28	23 57	0s24	21 54	1 10	20 46	0n 2	19 56	1 14	12 7	1 18	22 34	0 59	13 40	0 44	22 25	1 7	14 58	7 32	23 28	23 31	24 20	7 5	5 19	M11
T 12	19 41	24 26	1 43	22 27	1 18	21 3	0 5	19 54	1 18	12 5	1 18	22 34	0 59	13 40	0 44	22 25	1 7	14 58	7 32	23 29	23 31	24 20	7 5	5 18	T 12
W13	19 54	23 14	2 55	22 57	1 26	21 19	0 7	19 52	1 21	12 3	1 18	22 34	0 59	13 40	0 44	22 25	1 7	14 58	7 32	23 29	23 31	24 21	7 5	5 17	W13
T 14	20 7	20 32	3 54	23 25	1 33	21 34	0 9	19 50	1 24	12 1	1 18	22 34	0 59	13 39	0 44	22 25	1 7	14 58	7 32	23 29	23 31	24 21	7 4	5 17	T 14
F 15	20 19	16 41	4 38	23 50	1 40	21 49	0 12	19 47	1 27	11 59	1 18	22 34	0 59	13 39	0 44	22 25	1 7	14 59	7 32	23 29	23 30	24 21	7 4	5 16	F 15
S 16	20 31	12 0	5 5	24 12	1 45	22 4	0 14	19 45	1 30	11 57	1 18	22 34	0 58	13 39	0 45	22 25	1 7	14 59	7 32	23 29	23 30	24 21	7 4	5 15	S 16
S 17	20 43	6 51	5 15	24 32	1 51	22 17	0 17	19 43	1 33	11 55	1 17	22 34	0 58	13 39	0 45	22 25	1 7	14 59	7 31	23 29	23 30	24 22	7 4	5 14	S 17
M18	20 54	1 29	5 7	24 49	1 55	22 30	0 19	19 41	1 36	11 53	1 17	22 34	0 58	13 39	0 45	22 24	1 7	14 59	7 31	23 29	23 30	24 22	7 3	5 14	M18
T 19	21 5	3n51	4 44	25 3	1 59	22 43	0 21	19 38	1 39	11 51	1 17	22 34	0 58	13 39	0 45	22 24	1 7	15 0	7 31	23 28	23 30	24 22	7 3	5 13	T 19
W20	21 15	8 56	4 8	25 15	2 2	22 54	0 24	19 36	1 42	11 50	1 17	22 34	0 58	13 39	0 45	22 24	1 7	15 0	7 31	23 28	23 30	24 22	7 3	5 12	W20
T 21	21 25	13 34	3 20	25 24	2 4	23 6	0 26	19 34	1 45	11 48	1 16	22 34	0 58	13 39	0 45	22 24	1 7	15 0	7 31	23 28	23 30	24 23	7 2	5 11	T 21
F 22	21 35	17 35	2 23	25 31	2 5	23 16	0 28	19 32	1 48	11 46	1 16	22 34	0 58	13 39	0 45	22 24	1 7	15 0	7 31	23 28	23 30	24 23	7 2	5 11	F 22
S 23	21 45	20 48	1 21	25 36	2 6	23 26	0 31	19 30	1 51	11 45	1 16	22 34	0 58	13 39	0 45	22 24	1 7	15 1	7 31	23 28	23 30	24 23	7 1	5 10	S 23
S 24	21 54	23 5	0 16	25 38	2 6	23 35	0 33	19 28	1 54	11 43	1 16	22 34	0 58	13 39	0 45	22 24	1 7	15 1	7 31	23 28	23 30	24 23	7 1	5 9	S 24
M25	22 2	24 18	0n50	25 38	2 5	23 43	0 35	19 25	1 56	11 42	1 16	22 34	0 58	13 39	0 45	22 24	1 7	15 1	7 31	23 28	23 30	24 23	7 0	5 8	M25
T 26	22 11	24 25	1 53	25 36	2 4	23 51	0 37	19 24	1 59	11 40	1 15	22 34	0 58	13 39	0 45	22 24	1 7	15 1	7 31	23 28	23 30	24 24	6 59	5 8	T 26
W27	22 19	23 27	2 51	25 32	2 1	23 58	0 40	19 22	2 2	11 39	1 15	22 34	0 58	13 39	0 45	22 24	1 7	15 1	7 31	23 28	23 29	24 24	6 59	5 7	W27
T 28	22 26	21 25	3 42	25 26	1 58	24 4	0 42	19 20	2 4	11 37	1 15	22 34	0 58	13 39	0 45	22 24	1 7	15 2	7 31	23 28	23 29	24 24	6 58	5 6	T 28
F 29	22 33	18 28	4 24	25 19	1 55	24 10	0 44	19 18	2 7	11 36	1 15	22 33	0 58	13 39	0 45	22 24	1 7	15 2	7 31	23 28	23 29	24 24	6 57	5 5	F 29
S 30	22 40	14 41	4 55	25 10	1 50	24 15	0 46	19 17	2 9	11 35	1 14	22 33	0 58	13 39	0 45	22 24	1 7	15 2	7 31	23 28	23 29	24 24	6 57	5 5	S 30
S 31	22n46	10n13	5n13	25n 0	1n45	24n19	0n48	19s15	2s11	11s34	1n14	22s33	0n58	13s40	0s45	22s24	1n 7	15n 2	7s31	23n28	23n29	24n24	6n56	5s 4	S 31

Julian Day Number = 2146329.5, Delta T = 14m42s
Ecliptic obliquity = 23°32'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'20, Lahiri = 12°12'20 Julian Calendar 1 May 1164 == Greg. Calendar 8 May 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

JUNE 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 4 46	16♊36'09	29♍ 3	10♋22	28♊10	17°R23	3°R24	27°R14	25°R52	27°R10	13♊17	25°R29	25♊51	13♋56	29♌38	M 1
T 2	17 8 42	17°33'20	12♎ 9	11°43	29°24	17♏12	3♏20	27♐10	25♒52	27♐ 8	13°18	25♊29	25°48	14° 3	29°43	T 2
W 3	17 12 39	18°30'31	25°41	13° 1	0♋37	17° 1	3°16	27° 5	25°51	27° 7	13°20	25°28	25°45	14°10	29°47	W 3
T 4	17 16 35	19°27'41	9♏40	14°16	1°51	16°52	3°13	27° 1	25°51	27° 5	13°21	25°27	25°42	14°16	29°52	T 4
F 5	17 20 32	20°24'51	24° 4	15°28	3° 4	16°43	3°10	26°57	25°50	27° 3	13°23	25°26	25°38	14°23	29°56	F 5
S 6	17 24 29	21°22'01	8♐50	16°38	4°18	16°34	3° 6	26°52	25°50	27° 2	13°24	25°26	25°35	14°30	0♍ 1	S 6
S 7	17 28 25	22°19'10	23°50	17°45	5°31	16°27	3° 3	26°48	25°49	27° 0	13°25	25°D26	25°32	14°36	0° 6	S 7
M 8	17 32 22	23°16'19	8♑56	18°48	6°45	16°21	3° 1	26°44	25°48	26°59	13°27	25°26	25°29	14°43	0°11	M 8
T 9	17 36 18	24°13'28	24° 1	19°48	7°59	16°15	2°58	26°39	25°48	26°57	13°28	25°26	25°26	14°50	0°16	T 9
W10	17 40 15	25°10'37	8♒54	20°46	9°12	16°10	2°56	26°35	25°47	26°55	13°30	25°R26	25°22	14°56	0°21	W10
T 11	17 44 11	26° 7'46	23°29	21°39	10°26	16° 6	2°53	26°30	25°46	26°54	13°31	25°26	25°19	15° 3	0°27	T 11
F 12	17 48 8	27° 4'55	7♓43	22°30	11°39	16° 3	2°51	26°26	25°45	26°52	13°32	25°26	25°16	15°10	0°32	F 12
S 13	17 52 5	28° 2'04	21°33	23°17	12°53	16° 0	2°49	26°22	25°44	26°51	13°34	25°D26	25°13	15°16	0°37	S 13
S 14	17 56 1	28°59'13	4♈59	24° 0	14° 6	15°59	2°48	26°17	25°43	26°49	13°35	25°26	25°10	15°23	0°43	S 14
M15	17 59 58	29°56'23	18° 4	24°39	15°19	15°D58	2°46	26°13	25°42	26°47	13°37	25°26	25° 7	15°30	0°48	M15
T 16	18 3 54	0♋53'33	0♉48	25°15	16°33	15°58	2°45	26° 8	25°41	26°46	13°38	25°27	25° 3	15°36	0°54	T 16
W17	18 7 51	1°50'44	13°16	25°46	17°46	15°59	2°44	26° 4	25°40	26°44	13°39	25°27	25° 0	15°43	1° 0	W17
T 18	18 11 47	2°47'55	25°31	26°14	19° 0	16° 1	2°43	26° 0	25°39	26°42	13°41	25°28	24°57	15°50	1° 5	T 18
F 19	18 15 44	3°45'06	7♊35	26°37	20°13	16° 4	2°42	25°55	25°38	26°41	13°42	25°29	24°54	15°56	1°11	F 19
S 20	18 19 40	4°42'17	19°31	26°55	21°27	16° 7	2°41	25°51	25°37	26°39	13°43	25°R29	24°51	16° 3	1°17	S 20
S 21	18 23 37	5°39'29	1♋22	27° 9	22°40	16°11	2°41	25°47	25°36	26°38	13°45	25°29	24°48	16°10	1°23	S 21
M22	18 27 34	6°36'41	13°10	27°19	23°54	16°16	2°40	25°42	25°34	26°36	13°46	25°28	24°44	16°16	1°29	M22
T 23	18 31 30	7°33'53	24°58	27°R24	25° 7	16°22	2°D40	25°38	25°33	26°34	13°47	25°27	24°41	16°23	1°35	T 23
W24	18 35 27	8°31'06	6♌47	27°23	26°21	16°29	2°40	25°34	25°32	26°33	13°49	25°26	24°38	16°29	1°42	W24
T 25	18 39 23	9°28'19	18°41	27°19	27°34	16°36	2°41	25°29	25°30	26°31	13°50	25°24	24°35	16°36	1°48	T 25
F 26	18 43 20	10°25'32	0♍41	27° 9	28°48	16°44	2°41	25°25	25°29	26°30	13°51	25°22	24°32	16°43	1°54	F 26
S 27	18 47 16	11°22'45	12°51	26°55	0♌ 1	16°53	2°42	25°21	25°27	26°28	13°53	25°20	24°28	16°49	2° 1	S 27
S 28	18 51 13	12°19'58	25°15	26°36	1°14	17° 3	2°43	25°17	25°26	26°27	13°54	25°18	24°25	16°56	2° 7	S 28
M29	18 55 9	13°17'11	7♎56	26°12	2°28	17°13	2°44	25°13	25°24	26°25	13°55	25°D17	24°22	17° 3	2°14	M29
T 30	18 59 6	14♋14'25	20♎57	25♋45	3♌41	17♏24	2♏45	25♐ 9	25♒23	26♐24	13♊56	25♊17	24♊19	17♋ 9	2♍20	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n52	5n13	5n17	24n48	1n40	24n22	0n50	19s14	2s14	11s33	1n14	22s33	0n58	13s40	0s45	22s24	1n 7	15n 2	7s31	23n28	23n29	24n24	6n55	5s 3
T 2	22 58	0s10	5 4	24 35	1 33	24 25	0 52	19 13	2 16	11 32	1 14	22 33	0 58	13 40	0 45	22 24	1 7	15 3	7 31	23 28	23 29	24 25	6 54	5 3
W 3	23 3	5 43	4 34	24 21	1 26	24 27	0 54	19 12	2 18	11 31	1 13	22 33	0 58	13 40	0 45	22 24	1 7	15 3	7 31	23 28	23 29	24 25	6 53	5 2
T 4	23 8	11 10	3 48	24 5	1 19	24 28	0 56	19 11	2 20	11 30	1 13	22 33	0 58	13 40	0 45	22 24	1 7	15 3	7 31	23 28	23 29	24 25	6 52	5 1
F 5	23 12	16 12	2 46	23 49	1 11	24 29	0 58	19 10	2 22	11 29	1 13	22 33	0 57	13 40	0 45	22 24	1 7	15 3	7 31	23 28	23 29	24 25	6 51	5 1
S 6	23 16	20 22	1 31	23 32	1 2	24 29	1 0	19 10	2 24	11 28	1 13	22 33	0 57	13 41	0 45	22 24	1 7	15 3	7 30	23 28	23 28	24 25	6 50	5 0
S 7	23 19	23 15	0 9	23 14	0 53	24 28	1 2	19 9	2 26	11 27	1 12	22 33	0 57	13 41	0 45	22 24	1 7	15 4	7 30	23 28	23 28	24 25	6 49	4 59
M 8	23 23	24 29	1s14	22 56	0 43	24 26	1 4	19 9	2 28	11 27	1 12	22 33	0 57	13 41	0 45	22 24	1 7	15 4	7 30	23 28	23 28	24 25	6 48	4 59
T 9	23 25	23 54	2 32	22 37	0 32	24 24	1 6	19 9	2 29	11 26	1 12	22 33	0 57	13 41	0 45	22 24	1 7	15 4	7 30	23 28	23 28	24 25	6 47	4 58
W10	23 28	21 38	3 39	22 17	0 21	24 21	1 7	19 9	2 31	11 25	1 12	22 33	0 57	13 42	0 45	22 24	1 7	15 4	7 30	23 28	23 28	24 25	6 45	4 57
T 11	23 29	17 59	4 30	21 57	0 10	24 17	1 9	19 10	2 33	11 25	1 11	22 33	0 57	13 42	0 46	22 24	1 7	15 4	7 30	23 28	23 28	24 25	6 44	4 57
F 12	23 31	13 23	5 3	21 37	0s 2	24 13	1 11	19 10	2 34	11 24	1 11	22 33	0 57	13 42	0 46	22 24	1 7	15 5	7 30	23 28	23 28	24 25	6 43	4 56
S 13	23 32	8 13	5 17	21 17	0 15	24 7	1 12	19 11	2 36	11 24	1 11	22 33	0 57	13 43	0 46	22 24	1 7	15 5	7 30	23 28	23 28	24 26	6 42	4 55
S 14	23 33	2 48	5 13	20 57	0 28	24 1	1 14	19 12	2 37	11 24	1 10	22 33	0 57	13 43	0 46	22 24	1 7	15 5	7 30	23 28	23 28	24 26	6 40	4 55
M15	23 33	2n36	4 53	20 37	0 41	23 55	1 15	19 13	2 38	11 23	1 10	22 33	0 57	13 43	0 46	22 24	1 7	15 5	7 30	23 28	23 27	24 26	6 39	4 54
T 16	23 33	7 45	4 19	20 17	0 55	23 47	1 17	19 14	2 40	11 23	1 10	22 33	0 57	13 44	0 46	22 24	1 7	15 5	7 30	23 28	23 27	24 26	6 38	4 54
W17	23 32	12 30	3 34	19 58	1 9	23 39	1 18	19 16	2 41	11 23	1 10	22 33	0 56	13 44	0 46	22 24	1 7	15 5	7 30	23 28	23 27	24 26	6 36	4 53
T 18	23 31	16 39	2 39	19 38	1 23	23 30	1 20	19 18	2 42	11 23	1 9	22 33	0 56	13 45	0 46	22 24	1 7	15 5	7 30	23 28	23 27	24 26	6 35	4 52
F 19	23 30	20 4	1 38	19 20	1 38	23 21	1 21	19 19	2 43	11 23	1 9	22 33	0 56	13 45	0 46	22 23	1 7	15 6	7 30	23 28	23 27	24 26	6 33	4 52
S 20	23 28	22 35	0 33	19 2	1 52	23 11	1 22	19 21	2 44	11 23	1 9	22 33	0 56	13 46	0 46	22 23	1 7	15 6	7 30	23 28	23 27	24 26	6 32	4 51
S 21	23 26	24 5	0n33	18 44	2 7	23 0	1 23	19 24	2 45	11 23	1 9	22 33	0 56	13 46	0 46	22 23	1 7	15 6	7 30	23 28	23 27	24 26	6 30	4 51
M22	23 23	24 30	1 37	18 28	2 22	22 48	1 24	19 26	2 46	11 23	1 8	22 33	0 56	13 46	0 46	22 23	1 7	15 6	7 30	23 28	23 27	24 26	6 29	4 50
T 23	23 20	23 48	2 36	18 13	2 37	22 36	1 25	19 29	2 47	11 23	1 8	22 33	0 56	13 47	0 46	22 23	1 7	15 6	7 30	23 28	23 26	24 26	6 27	4 49
W24	23 16	22 2	3 29	17 58	2 52	22 24	1 26	19 31	2 48	11 24	1 8	22 33	0 56	13 47	0 46	22 23	1 7	15 6	7 30	23 28	23 26	24 26	6 25	4 49
T 25	23 12	19 19	4 14	17 45	3 6	22 10	1 27	19 34	2 49	11 24	1 7	22 33	0 56	13 48	0 46	22 23	1 7	15 6	7 31	23 28	23 26	24 26	6 24	4 48
F 26	23 8	15 45	4 47	17 33	3 20	21 56	1 28	19 37	2 50	11 24	1 7	22 33	0 56	13 48	0 46	22 23	1 7	15 7	7 31	23 28	23 26	24 26	6 22	4 48
S 27	23 3	11 30	5 9	17 22	3 34	21 41	1 29	19 41	2 51	11 25	1 7	22 33	0 55	13 49	0 46	22 23	1 7	15 7	7 31	23 28	23 26	24 26	6 20	4 47
S 28	22 58	6 43	5 16	17 13	3 47	21 26	1 30	19 44	2 51	11 25	1 7	22 32	0 55	13 50	0 46	22 23	1 7	15 7	7 31	23 28	23 26	24 26	6 18	4 47
M29	22 53	1 34	5 8	17 5	3 59	21 10	1 30	19 48	2 52	11 26	1 6	22 32	0 55	13 50	0 46	22 23	1 7	15 7	7 31	23 28	23 26	24 26	6 17	4 46
T 30	22n47	3s49	4n45	16n59	4s10	20n53	1n31	19s52	2s53	11s27	1n 6	22s32	0n55	13s51	0s46	22s23	1n 7	15n 7	7s31	23n28	23n26	24n26	6n15	4s45

Julian Day Number = 2146360.5, Delta T = 14m42s
Ecliptic obliquity = 23°32'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'24, Lahiri = 12°12'25 Julian Calendar 1 June 1164 == Greg. Calendar 8 June 1164

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JULY 1164 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 3 3	15♋11'39	4♏22	25°R13	4♌54	17♏36	2♏46	25°R 5	25°R21	26°R22	13♊58	25♊18	24♊16	17♋16	2♍27	W 1
T 2	19 6 59	16° 8'53	18°12	24♋38	6° 8	17°49	2°48	25♐ 1	25♒19	26♐21	13°59	25°19	24°13	17°23	2°34	T 2
F 3	19 10 56	17° 6'08	2♐29	24° 1	7°21	18° 2	2°49	24°57	25°18	26°19	14° 0	25°21	24° 9	17°29	2°41	F 3
S 4	19 14 52	18° 3'23	17° 9	23°21	8°34	18°16	2°51	24°53	25°16	26°18	14° 1	25°22	24° 6	17°36	2°47	S 4
S 5	19 18 49	19° 0'39	2♑ 8	22°39	9°48	18°30	2°53	24°49	25°14	26°16	14° 2	25°R22	24° 3	17°43	2°54	S 5
M 6	19 22 45	19°57'55	17°19	21°56	11° 1	18°46	2°56	24°45	25°12	26°15	14° 4	25°21	24° 0	17°49	3° 1	M 6
T 7	19 26 42	20°55'12	2♒33	21°13	12°14	19° 2	2°58	24°42	25°11	26°13	14° 5	25°18	23°57	17°56	3° 8	T 7
W 8	19 30 38	21°52'29	17°39	20°30	13°28	19°18	3° 1	24°38	25° 9	26°12	14° 6	25°15	23°54	18° 3	3°15	W 8
T 9	19 34 35	22°49'48	2♓29	19°49	14°41	19°35	3° 3	24°34	25° 7	26°10	14° 7	25°11	23°50	18° 9	3°23	T 9
F 10	19 38 32	23°47'08	16°55	19° 9	15°54	19°53	3° 6	24°31	25° 5	26° 9	14° 8	25° 8	23°47	18°16	3°30	F 10
S 11	19 42 28	24°44'28	0♈54	18°33	17° 7	20°11	3° 9	24°27	25° 3	26° 8	14° 9	25° 5	23°44	18°23	3°37	S 11
S 12	19 46 25	25°41'50	14°25	18° 0	18°21	20°30	3°13	24°24	25° 1	26° 6	14°11	25° 3	23°41	18°29	3°44	S 12
M13	19 50 21	26°39'13	27°30	17°31	19°34	20°49	3°16	24°21	24°59	26° 5	14°12	25°D 3	23°38	18°36	3°52	M13
T 14	19 54 18	27°36'37	10♉11	17° 7	20°47	21° 9	3°20	24°17	24°57	26° 4	14°13	25° 3	23°34	18°43	3°59	T 14
W15	19 58 14	28°34'03	22°33	16°48	22° 0	21°30	3°24	24°14	24°55	26° 2	14°14	25° 5	23°31	18°49	4° 6	W15
T 16	20 2 11	29°31'29	4♊40	16°34	23°13	21°51	3°27	24°11	24°53	26° 1	14°15	25° 6	23°28	18°56	4°14	T 16
F 17	20 6 7	0♌28'57	16°36	16°27	24°27	22°12	3°32	24° 8	24°51	26° 0	14°16	25° 8	23°25	19° 3	4°22	F 17
S 18	20 10 4	1°26'27	28°27	16°D26	25°40	22°34	3°36	24° 5	24°49	25°59	14°17	25°R 8	23°22	19° 9	4°29	S 18
S 19	20 14 1	2°23'57	10♋14	16°32	26°53	22°57	3°40	24° 2	24°47	25°57	14°18	25° 7	23°19	19°16	4°37	S 19
M20	20 17 57	3°21'29	22° 1	16°44	28° 6	23°20	3°45	23°59	24°44	25°56	14°19	25° 4	23°15	19°23	4°44	M20
T 21	20 21 54	4°19'02	3♌51	17° 4	29°19	23°44	3°50	23°56	24°42	25°55	14°20	24°59	23°12	19°29	4°52	T 21
W22	20 25 50	5°16'36	15°46	17°30	0♍32	24° 8	3°55	23°53	24°40	25°54	14°21	24°52	23° 9	19°36	5° 0	W22
T 23	20 29 47	6°14'11	27°47	18° 3	1°45	24°32	4° 0	23°50	24°38	25°53	14°22	24°45	23° 6	19°43	5° 8	T 23
F 24	20 33 43	7°11'47	9♍56	18°43	2°58	24°57	4° 5	23°48	24°36	25°51	14°23	24°37	23° 3	19°49	5°15	F 24
S 25	20 37 40	8° 9'25	22°15	19°30	4°11	25°23	4°10	23°45	24°33	25°50	14°24	24°30	23° 0	19°56	5°23	S 25
S 26	20 41 36	9° 7'03	4♎45	20°23	5°25	25°49	4°16	23°43	24°31	25°49	14°25	24°24	22°56	20° 3	5°31	S 26
M27	20 45 33	10° 4'43	17°29	21°23	6°38	26°15	4°21	23°40	24°29	25°48	14°26	24°20	22°53	20° 9	5°39	M27
T 28	20 49 30	11° 2'23	0♏29	22°29	7°51	26°42	4°27	23°38	24°26	25°47	14°26	24°17	22°50	20°16	5°47	T 28
W29	20 53 26	12° 0'05	13°49	23°41	9° 4	27° 9	4°33	23°36	24°24	25°46	14°27	24°D17	22°47	20°23	5°55	W29
T 30	20 57 23	12°57'48	27°30	24°58	10°16	27°37	4°39	23°34	24°22	25°45	14°28	24°18	22°44	20°29	6° 3	T 30
F 31	21 1 19	13♌55'32	11♐33	26♋22	11♍29	28♏ 5	4♏46	23♐32	24♒19	25♐44	14♊29	24♊19	22♊40	20♋36	6♍11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n41	9s11	4n 6	16n55	4s21	20n36	1n32	19s56	2s53	11s27	1n 6	22s32	0n55	13s51	0s46	22s23	1n 7	15n 7	7s31	23n28	23n25	24n26	6n13	4s45
T 2	22 34	14 16	3 11	16 52	4 30	20 19	1 32	20 0	2 54	11 28	1 6	22 32	0 55	13 52	0 46	22 23	1 7	15 7	7 31	23 28	23 25	24 25	6 11	4 44
F 3	22 27	18 44	2 3	16 51	4 38	20 0	1 32	20 4	2 54	11 29	1 5	22 32	0 55	13 52	0 46	22 23	1 7	15 7	7 31	23 28	23 25	24 25	6 9	4 44
S 4	22 19	22 10	0 45	16 51	4 44	19 41	1 33	20 8	2 55	11 30	1 5	22 32	0 55	13 53	0 46	22 23	1 7	15 7	7 31	23 28	23 25	24 25	6 7	4 43
S 5	22 12	24 9	0s37	16 54	4 49	19 22	1 33	20 13	2 55	11 31	1 5	22 32	0 55	13 54	0 46	22 23	1 7	15 8	7 31	23 28	23 25	24 25	6 5	4 43
M 6	22 3	24 22	1 58	16 57	4 52	19 2	1 33	20 18	2 56	11 32	1 4	22 32	0 54	13 54	0 46	22 23	1 7	15 8	7 31	23 28	23 25	24 25	6 3	4 42
T 7	21 55	22 46	3 10	17 3	4 53	18 42	1 33	20 22	2 56	11 33	1 4	22 32	0 54	13 55	0 46	22 23	1 7	15 8	7 31	23 28	23 25	24 25	6 1	4 42
W 8	21 46	19 33	4 9	17 9	4 52	18 21	1 33	20 27	2 56	11 34	1 4	22 32	0 54	13 56	0 46	22 23	1 6	15 8	7 31	23 28	23 24	24 25	5 59	4 41
T 9	21 36	15 8	4 49	17 17	4 50	17 59	1 33	20 32	2 57	11 35	1 4	22 32	0 54	13 56	0 46	22 23	1 6	15 8	7 31	23 28	23 24	24 25	5 57	4 41
F 10	21 27	9 57	5 10	17 27	4 46	17 37	1 33	20 37	2 57	11 37	1 3	22 32	0 54	13 57	0 46	22 23	1 6	15 8	7 31	23 27	23 24	24 25	5 55	4 40
S 11	21 16	4 24	5 12	17 37	4 41	17 15	1 33	20 43	2 57	11 38	1 3	22 32	0 54	13 58	0 46	22 23	1 6	15 8	7 31	23 27	23 24	24 25	5 53	4 40
S 12	21 6	1n10	4 56	17 49	4 33	16 52	1 33	20 48	2 57	11 39	1 3	22 32	0 54	13 58	0 46	22 23	1 6	15 8	7 31	23 27	23 24	24 24	5 50	4 39
M13	20 55	6 31	4 25	18 1	4 25	16 29	1 32	20 53	2 57	11 41	1 3	22 32	0 54	13 59	0 46	22 23	1 6	15 8	7 31	23 27	23 24	24 24	5 48	4 39
T 14	20 44	11 26	3 42	18 14	4 15	16 5	1 32	20 59	2 58	11 42	1 2	22 32	0 53	14 0	0 47	22 23	1 6	15 8	7 31	23 27	23 23	24 24	5 46	4 39
W15	20 32	15 46	2 49	18 28	4 3	15 41	1 32	21 5	2 58	11 44	1 2	22 32	0 53	14 0	0 47	22 23	1 6	15 8	7 31	23 27	23 23	24 24	5 44	4 38
T 16	20 21	19 22	1 50	18 42	3 50	15 16	1 31	21 10	2 58	11 45	1 2	22 32	0 53	14 1	0 47	22 23	1 6	15 8	7 32	23 27	23 23	24 24	5 41	4 38
F 17	20 8	22 6	0 46	18 56	3 37	14 51	1 31	21 16	2 58	11 47	1 2	22 32	0 53	14 2	0 47	22 23	1 6	15 8	7 32	23 27	23 23	24 24	5 39	4 37
S 18	19 56	23 50	0n18	19 11	3 23	14 26	1 30	21 22	2 58	11 49	1 1	22 32	0 53	14 3	0 47	22 23	1 6	15 8	7 32	23 27	23 23	24 24	5 37	4 37
S 19	19 43	24 30	1 21	19 25	3 7	14 0	1 29	21 28	2 58	11 50	1 1	22 32	0 53	14 3	0 47	22 23	1 6	15 8	7 32	23 27	23 23	24 23	5 34	4 36
M20	19 30	24 4	2 21	19 39	2 52	13 34	1 28	21 34	2 58	11 52	1 1	22 32	0 53	14 4	0 47	22 23	1 6	15 8	7 32	23 27	23 23	24 23	5 32	4 36
T 21	19 16	22 32	3 15	19 53	2 36	13 8	1 27	21 40	2 58	11 54	1 1	22 32	0 52	14 5	0 47	22 23	1 6	15 8	7 32	23 27	23 22	24 23	5 30	4 36
W22	19 2	20 0	4 0	20 6	2 19	12 41	1 26	21 46	2 58	11 56	1 0	22 32	0 52	14 6	0 47	22 23	1 6	15 8	7 32	23 27	23 22	24 23	5 27	4 35
T 23	18 48	16 36	4 36	20 18	2 3	12 14	1 25	21 52	2 58	11 58	1 0	22 32	0 52	14 6	0 47	22 23	1 6	15 8	7 32	23 27	23 22	24 23	5 25	4 35
F 24	18 33	12 29	4 59	20 29	1 47	11 46	1 24	21 58	2 58	12 0	1 0	22 32	0 52	14 7	0 47	22 23	1 6	15 9	7 32	23 26	23 22	24 22	5 22	4 34
S 25	18 19	7 48	5 8	20 38	1 30	11 18	1 23	22 4	2 58	12 2	1 0	22 32	0 52	14 8	0 47	22 23	1 6	15 9	7 32	23 26	23 22	24 22	5 20	4 34
S 26	18 3	2 45	5 4	20 47	1 14	10 50	1 22	22 10	2 57	12 4	0 59	22 32	0 52	14 9	0 47	22 23	1 6	15 9	7 32	23 26	23 22	24 22	5 17	4 34
M27	17 48	2s31	4 44	20 53	0 58	10 22	1 21	22 16	2 57	12 6	0 59	22 32	0 52	14 9	0 47	22 23	1 6	15 9	7 32	23 26	23 21	24 22	5 15	4 33
T 28	17 32	7 48	4 10	20 58	0 42	9 53	1 19	22 22	2 57	12 8	0 59	22 32	0 51	14 10	0 47	22 23	1 6	15 9	7 33	23 25	23 21	24 22	5 12	4 33
W29	17 16	12 52	3 21	21 1	0 27	9 25	1 18	22 29	2 57	12 11	0 59	22 32	0 51	14 11	0 47	22 23	1 6	15 9	7 33	23 25	23 21	24 21	5 9	4 33
T 30	17 0	17 25	2 20	21 1	0 13	8 55	1 16	22 35	2 57	12 13	0 58	22 32	0 51	14 12	0 47	22 23	1 6	15 9	7 33	23 25	23 21	24 21	5 7	4 32
F 31	16n43	21s 9	1n 8	21n 0	0n 1	8n26	1n15	22s41	2s56	12s15	0n58	22s32	0n51	14s13	0s47	22s23	1n 6	15n 9	7s33	23n26	23n21	24n21	5n 4	4s32

Julian Day Number = 2146390.5, Delta T = 14m42s
Ecliptic obliquity = 23°32'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'28, Lahiri = 12°12'29 Julian Calendar 1 July 1164 == Greg. Calendar 8 July 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

AUGUST 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 16	14♌53'17	25♐59	27♋50	12♍42	28♏33	4♏52	23°R30	24°R17	25°R43	14♊30	24°R19	22♊37	20♋43	6♍19	S 1
S 2	21 9 12	15°51'03	10♑44	29°23	13°55	29° 2	4°59	23♐28	24♒15	25♐42	14°30	24♊18	22°34	20°49	6°27	S 2
M 3	21 13 9	16°48'51	25°45	1♌ 1	15° 8	29°31	5° 5	23°26	24°12	25°42	14°31	24°15	22°31	20°56	6°36	M 3
T 4	21 17 5	17°46'40	10♒53	2°42	16°21	0♐ 0	5°12	23°25	24°10	25°41	14°32	24°10	22°28	21° 3	6°44	T 4
W 5	21 21 2	18°44'31	25°58	4°27	17°34	0°30	5°19	23°23	24° 8	25°40	14°33	24° 2	22°25	21° 9	6°52	W 5
T 6	21 24 59	19°42'23	10♓51	6°15	18°46	1° 0	5°26	23°22	24° 5	25°39	14°33	23°54	22°21	21°16	7° 0	T 6
F 7	21 28 55	20°40'16	25°23	8° 5	19°59	1°31	5°34	23°20	24° 3	25°38	14°34	23°45	22°18	21°23	7° 9	F 7
S 8	21 32 52	21°38'12	9♈29	9°58	21°12	2° 2	5°41	23°19	24° 0	25°38	14°35	23°38	22°15	21°29	7°17	S 8
S 9	21 36 48	22°36'09	23° 6	11°52	22°25	2°33	5°48	23°18	23°58	25°37	14°35	23°32	22°12	21°36	7°25	S 9
M10	21 40 45	23°34'08	6♉14	13°48	23°37	3° 4	5°56	23°16	23°56	25°36	14°36	23°29	22° 9	21°43	7°33	M10
T 11	21 44 41	24°32'09	18°57	15°44	24°50	3°36	6° 4	23°15	23°53	25°36	14°37	23°27	22° 6	21°49	7°42	T 11
W12	21 48 38	25°30'12	1♊19	17°41	26° 3	4° 8	6°12	23°14	23°51	25°35	14°37	23°D27	22° 2	21°56	7°50	W12
T 13	21 52 34	26°28'17	13°24	19°39	27°15	4°41	6°20	23°14	23°48	25°34	14°38	23°28	21°59	22° 3	7°59	T 13
F 14	21 56 31	27°26'25	25°18	21°36	28°28	5°14	6°28	23°13	23°46	25°34	14°38	23°R28	21°56	22° 9	8° 7	F 14
S 15	22 0 28	28°24'34	7♋ 6	23°34	29°41	5°47	6°36	23°12	23°44	25°33	14°39	23°27	21°53	22°16	8°15	S 15
S 16	22 4 24	29°22'45	18°53	25°31	0♎53	6°20	6°45	23°12	23°41	25°33	14°39	23°24	21°50	22°23	8°24	S 16
M17	22 8 21	0♍20'58	0♌43	27°27	2° 6	6°54	6°53	23°11	23°39	25°32	14°40	23°18	21°46	22°29	8°32	M17
T 18	22 12 17	1°19'13	12°38	29°23	3°18	7°27	7° 2	23°11	23°37	25°32	14°40	23°10	21°43	22°36	8°41	T 18
W19	22 16 14	2°17'30	24°41	1♍18	4°31	8° 2	7°10	23°11	23°34	25°31	14°41	22°59	21°40	22°43	8°49	W19
T 20	22 20 10	3°15'48	6♍54	3°12	5°43	8°36	7°19	23°10	23°32	25°31	14°41	22°47	21°37	22°49	8°58	T 20
F 21	22 24 7	4°14'09	19°16	5° 6	6°56	9°11	7°28	23°D10	23°29	25°31	14°42	22°34	21°34	22°56	9° 6	F 21
S 22	22 28 3	5°12'31	1♎49	6°58	8° 8	9°46	7°37	23°10	23°27	25°30	14°42	22°22	21°31	23° 2	9°15	S 22
S 23	22 32 0	6°10'55	14°34	8°49	9°20	10°21	7°47	23°10	23°25	25°30	14°42	22°12	21°27	23° 9	9°23	S 23
M24	22 35 57	7° 9'20	27°30	10°39	10°33	10°56	7°56	23°11	23°22	25°30	14°43	22° 4	21°24	23°16	9°32	M24
T 25	22 39 53	8° 7'48	10♏38	12°29	11°45	11°32	8° 5	23°11	23°20	25°30	14°43	21°58	21°21	23°22	9°40	T 25
W26	22 43 50	9° 6'17	24° 0	14°17	12°57	12° 8	8°15	23°11	23°18	25°29	14°43	21°56	21°18	23°29	9°49	W26
T 27	22 47 46	10° 4'48	7♐38	16° 4	14°10	12°44	8°24	23°12	23°16	25°29	14°44	21°D55	21°15	23°36	9°57	T 27
F 28	22 51 43	11° 3'20	21°31	17°50	15°22	13°20	8°34	23°13	23°13	25°29	14°44	21°R55	21°11	23°42	10° 6	F 28
S 29	22 55 39	12° 1'54	5♑42	19°34	16°34	13°57	8°44	23°13	23°11	25°29	14°44	21°55	21° 8	23°49	10°14	S 29
S 30	22 59 36	13° 0'30	20° 9	21°18	17°46	14°34	8°54	23°14	23° 9	25°29	14°44	21°52	21° 5	23°56	10°23	S 30
M31	23 3 32	13♍59'08	4♒49	23♍ 1	18♎58	15♐11	9♏ 4	23♐15	23♒ 7	25°D29	14♊44	21♊48	21♊ 2	24♋ 3	10♍31	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n27	23s38	0s 9	20n55	0n14	7n57	1n13	22s47	2s56	12s18	0n58	22s33	0n51	14s13	0s47	22s23	1n 6	15n 9	7s33	23n26	23n20	24n21	5n 2	4s31
S 2	16 9	24 34	1 27	20 48	0 27	7 27	1 11	22 53	2 56	12 20	0 58	22 33	0 51	14 14	0 47	22 23	1 6	15 9	7 33	23 25	23 20	24 20	4 59	4 31
M 3	15 52	23 43	2 41	20 39	0 38	6 57	1 9	23 0	2 56	12 23	0 57	22 33	0 50	14 15	0 47	22 23	1 6	15 8	7 33	23 25	23 20	24 20	4 56	4 31
T 4	15 34	21 10	3 43	20 26	0 49	6 27	1 7	23 6	2 55	12 25	0 57	22 33	0 50	14 16	0 47	22 23	1 6	15 8	7 33	23 25	23 20	24 20	4 54	4 31
W 5	15 17	17 9	4 30	20 11	0 59	5 56	1 5	23 12	2 55	12 28	0 57	22 33	0 50	14 17	0 47	22 23	1 6	15 8	7 33	23 25	23 20	24 19	4 51	4 30
T 6	14 58	12 7	4 58	19 53	1 8	5 26	1 3	23 18	2 55	12 30	0 57	22 33	0 50	14 17	0 47	22 23	1 6	15 8	7 33	23 24	23 20	24 19	4 48	4 30
F 7	14 40	6 31	5 5	19 33	1 16	4 55	1 1	23 24	2 54	12 33	0 56	22 33	0 50	14 18	0 47	22 23	1 5	15 8	7 34	23 24	23 19	24 19	4 45	4 30
S 8	14 21	0 44	4 54	19 9	1 23	4 25	0 59	23 30	2 54	12 36	0 56	22 33	0 50	14 19	0 47	22 23	1 5	15 8	7 34	23 24	23 19	24 19	4 43	4 29
S 9	14 3	4n54	4 26	18 44	1 29	3 54	0 57	23 36	2 53	12 38	0 56	22 33	0 50	14 20	0 47	22 23	1 5	15 8	7 34	23 23	23 19	24 18	4 40	4 29
M10	13 43	10 7	3 45	18 16	1 34	3 23	0 55	23 42	2 53	12 41	0 56	22 33	0 49	14 21	0 47	22 23	1 5	15 8	7 34	23 23	23 19	24 18	4 37	4 29
T 11	13 24	14 45	2 54	17 45	1 38	2 52	0 53	23 48	2 53	12 44	0 56	22 33	0 49	14 21	0 47	22 23	1 5	15 8	7 34	23 23	23 19	24 18	4 34	4 28
W12	13 5	18 38	1 56	17 13	1 42	2 21	0 50	23 53	2 52	12 47	0 55	22 33	0 49	14 22	0 47	22 23	1 5	15 8	7 34	23 23	23 18	24 17	4 31	4 28
T 13	12 45	21 37	0 54	16 38	1 44	1 50	0 48	23 59	2 52	12 49	0 55	22 34	0 49	14 23	0 47	22 23	1 5	15 8	7 34	23 23	23 18	24 17	4 28	4 28
F 14	12 25	23 38	0n10	16 2	1 46	1 18	0 45	24 5	2 51	12 52	0 55	22 34	0 49	14 24	0 47	22 23	1 5	15 8	7 34	23 23	23 18	24 17	4 26	4 28
S 15	12 5	24 33	1 12	15 24	1 47	0 47	0 43	24 10	2 51	12 55	0 55	22 34	0 49	14 25	0 47	22 23	1 5	15 8	7 34	23 23	23 18	24 16	4 23	4 27
S 16	11 44	24 22	2 11	14 45	1 47	0 16	0 40	24 16	2 50	12 58	0 54	22 34	0 48	14 25	0 47	22 23	1 5	15 8	7 35	23 23	23 18	24 16	4 20	4 27
M17	11 24	23 5	3 5	14 5	1 47	0s16	0 37	24 21	2 50	13 1	0 54	22 34	0 48	14 26	0 47	22 23	1 5	15 8	7 35	23 23	23 17	24 16	4 17	4 27
T 18	11 3	20 46	3 50	13 23	1 46	0 47	0 35	24 26	2 49	13 4	0 54	22 34	0 48	14 27	0 47	22 23	1 5	15 8	7 35	23 22	23 17	24 15	4 14	4 27
W19	10 42	17 32	4 26	12 41	1 44	1 19	0 32	24 31	2 49	13 7	0 54	22 34	0 48	14 28	0 47	22 23	1 5	15 8	7 35	23 22	23 17	24 15	4 11	4 27
T 20	10 21	13 30	4 50	11 58	1 42	1 50	0 29	24 36	2 48	13 10	0 54	22 34	0 48	14 28	0 47	22 23	1 5	15 8	7 35	23 21	23 17	24 14	4 8	4 26
F 21	10 0	8 52	5 1	11 14	1 40	2 22	0 26	24 41	2 48	13 14	0 53	22 35	0 48	14 29	0 47	22 23	1 5	15 8	7 35	23 20	23 17	24 14	4 5	4 26
S 22	9 39	3 49	4 57	10 29	1 36	2 53	0 23	24 46	2 47	13 17	0 53	22 35	0 48	14 30	0 47	22 23	1 5	15 8	7 35	23 20	23 16	24 14	4 2	4 26
S 23	9 17	1s29	4 39	9 44	1 33	3 24	0 20	24 51	2 46	13 20	0 53	22 35	0 47	14 31	0 47	22 24	1 5	15 7	7 35	23 19	23 16	24 13	3 59	4 26
M24	8 55	6 48	4 6	8 58	1 29	3 55	0 18	24 55	2 46	13 23	0 53	22 35	0 47	14 31	0 47	22 24	1 5	15 7	7 36	23 19	23 16	24 13	3 56	4 25
T 25	8 34	11 55	3 20	8 13	1 25	4 27	0 14	25 0	2 45	13 26	0 53	22 35	0 47	14 32	0 47	22 24	1 5	15 7	7 36	23 18	23 16	24 12	3 53	4 25
W26	8 12	16 34	2 22	7 27	1 20	4 58	0 11	25 4	2 45	13 30	0 52	22 35	0 47	14 33	0 47	22 24	1 5	15 7	7 36	23 18	23 16	24 12	3 50	4 25
T 27	7 49	20 27	1 15	6 40	1 15	5 29	0 8	25 8	2 44	13 33	0 52	22 36	0 47	14 34	0 47	22 24	1 5	15 7	7 36	23 18	23 15	24 12	3 47	4 25
F 28	7 27	23 14	0 2	5 54	1 10	6 0	0 5	25 12	2 43	13 36	0 52	22 36	0 47	14 34	0 47	22 24	1 5	15 7	7 36	23 18	23 15	24 11	3 44	4 25
S 29	7 5	24 38	1s12	5 8	1 4	6 31	0 2	25 16	2 43	13 39	0 52	22 36	0 46	14 35	0 47	22 24	1 5	15 7	7 36	23 18	23 15	24 11	3 41	4 25
S 30	6 42	24 23	2 23	4 21	0 58	7 1	0s 1	25 20	2 42	13 43	0 52	22 36	0 46	14 36	0 47	22 24	1 4	15 7	7 36	23 18	23 15	24 10	3 38	4 24
M31	6n20	22s29	3s26	3n35	0n52	7s32	0s 4	25s24	2s41	13s46	0n51	22s36	0n46	14s37	0s47	22s24	1n 4	15n 7	7s36	23n18	23n15	24n10	3n35	4s24

Julian Day Number = 2146421.5, Delta T = 14m42s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'32, Lahiri = 12°12'33 Julian Calendar 1 Aug. 1164 == Greg. Calendar 8 Aug. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

SEPTEMBER 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 29	14♍57'47	19♒37	24♍43	20♎10	15♐48	9♏14	23♐16	23°R 5	25♐29	14♊45	21°R40	20♊59	24♋ 9	10♍40	T 1
W 2	23 11 26	15°56'28	4♓26	26°23	21°22	16°26	9°24	23°17	23♒ 2	25°29	14°45	21♊30	20°56	24°16	10°48	W 2
T 3	23 15 22	16°55'11	19° 7	28° 3	22°34	17° 3	9°35	23°18	23° 0	25°29	14°45	21°19	20°52	24°23	10°57	T 3
F 4	23 19 19	17°53'56	3♈32	29°42	23°46	17°41	9°45	23°20	22°58	25°29	14°45	21° 7	20°49	24°29	11° 5	F 4
S 5	23 23 15	18°52'43	17°34	1♎20	24°58	18°19	9°56	23°21	22°56	25°29	14°45	20°57	20°46	24°36	11°14	S 5
S 6	23 27 12	19°51'32	1♉11	2°57	26°10	18°57	10° 6	23°23	22°54	25°30	14°45	20°48	20°43	24°43	11°22	S 6
M 7	23 31 8	20°50'24	14°22	4°33	27°22	19°36	10°17	23°24	22°52	25°30	14°45	20°42	20°40	24°49	11°31	M 7
T 8	23 35 5	21°49'18	27° 7	6° 8	28°34	20°14	10°28	23°26	22°50	25°30	14°R45	20°38	20°37	24°56	11°39	T 8
W 9	23 39 1	22°48'14	9♊30	7°42	29°45	20°53	10°38	23°28	22°48	25°30	14°45	20°37	20°33	25° 3	11°47	W 9
T 10	23 42 58	23°47'13	21°37	9°15	0♏57	21°32	10°49	23°29	22°46	25°31	14°45	20°37	20°30	25° 9	11°56	T 10
F 11	23 46 55	24°46'14	3♋32	10°47	2° 9	22°11	11° 0	23°31	22°44	25°31	14°45	20°37	20°27	25°16	12° 4	F 11
S 12	23 50 51	25°45'17	15°21	12°19	3°20	22°50	11°11	23°33	22°42	25°31	14°45	20°35	20°24	25°23	12°13	S 12
S 13	23 54 48	26°44'23	27°10	13°50	4°32	23°29	11°23	23°36	22°40	25°32	14°45	20°32	20°21	25°29	12°21	S 13
M14	23 58 44	27°43'31	9♌ 2	15°20	5°43	24° 9	11°34	23°38	22°39	25°32	14°45	20°26	20°17	25°36	12°30	M14
T 15	0 2 41	28°42'41	21° 3	16°48	6°55	24°49	11°45	23°40	22°37	25°33	14°44	20°18	20°14	25°43	12°38	T 15
W16	0 6 37	29°41'53	3♍15	18°17	8° 6	25°29	11°57	23°43	22°35	25°33	14°44	20° 7	20°11	25°49	12°46	W16
T 17	0 10 34	0♎41'08	15°39	19°44	9°18	26° 9	12° 8	23°45	22°33	25°34	14°44	19°54	20° 8	25°56	12°55	T 17
F 18	0 14 30	1°40'25	28°18	21°10	10°29	26°49	12°20	23°48	22°32	25°34	14°44	19°41	20° 5	26° 3	13° 3	F 18
S 19	0 18 27	2°39'44	11♎10	22°35	11°41	27°29	12°31	23°50	22°30	25°35	14°44	19°28	20° 2	26° 9	13°11	S 19
S 20	0 22 23	3°39'04	24°15	24° 0	12°52	28°10	12°43	23°53	22°28	25°36	14°43	19°17	19°58	26°16	13°19	S 20
M21	0 26 20	4°38'27	7♏31	25°24	14° 3	28°50	12°55	23°56	22°27	25°36	14°43	19° 8	19°55	26°23	13°28	M21
T 22	0 30 17	5°37'52	20°58	26°46	15°14	29°31	13° 7	23°59	22°25	25°37	14°43	19° 2	19°52	26°29	13°36	T 22
W23	0 34 13	6°37'19	4♐34	28° 8	16°25	0♑12	13°18	24° 2	22°24	25°38	14°42	19° 0	19°49	26°36	13°44	W23
T 24	0 38 10	7°36'48	18°20	29°28	17°36	0°53	13°30	24° 5	22°22	25°38	14°42	18°D59	19°46	26°43	13°52	T 24
F 25	0 42 6	8°36'18	2♑14	0♏47	18°47	1°34	13°42	24° 9	22°21	25°39	14°42	18°R59	19°43	26°49	14° 0	F 25
S 26	0 46 3	9°35'50	16°18	2° 5	19°58	2°15	13°55	24°12	22°19	25°40	14°41	18°59	19°39	26°56	14° 8	S 26
S 27	0 49 59	10°35'24	0♒30	3°22	21° 9	2°57	14° 7	24°15	22°18	25°41	14°41	18°57	19°36	27° 3	14°16	S 27
M28	0 53 56	11°35'00	14°49	4°38	22°20	3°38	14°19	24°19	22°17	25°42	14°40	18°54	19°33	27° 9	14°24	M28
T 29	0 57 52	12°34'38	29°12	5°52	23°31	4°20	14°31	24°22	22°15	25°43	14°40	18°47	19°30	27°16	14°32	T 29
W30	1 1 49	13♎34'17	13♓34	7♏ 4	24♏42	5♑ 1	14♏43	24♐26	22♒14	25♐44	14♊40	18♊38	19♊27	27♋23	14♍40	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n57	19s 2	4s15	2n49	0n46	8s 2	0s 8	25s27	2s41	13s50	0n51	22s37	0n46	14s37	0s47	22s24	1n 4	15n 7	7s36	23n17	23n14	24n 9	3n32	4s24
W 2	5 34	14 23	4 47	2 3	0 40	8 32	0 11	25 30	2 40	13 53	0 51	22 37	0 46	14 38	0 47	22 24	1 4	15 6	7 37	23 16	23 14	24 9	3 29	4 24
T 3	5 11	8 56	5 0	1 17	0 33	9 3	0 14	25 33	2 39	13 57	0 51	22 37	0 46	14 39	0 47	22 24	1 4	15 6	7 37	23 16	23 14	24 8	3 25	4 24
F 4	4 48	3 5	4 54	0 31	0 26	9 32	0 18	25 36	2 38	14 0	0 51	22 37	0 46	14 39	0 47	22 24	1 4	15 6	7 37	23 15	23 14	24 8	3 22	4 24
S 5	4 25	2n47	4 29	0s14	0 19	10 2	0 21	25 39	2 38	14 3	0 51	22 37	0 45	14 40	0 47	22 24	1 4	15 6	7 37	23 14	23 14	24 7	3 19	4 24
S 6	4 2	8 21	3 50	0 59	0 13	10 32	0 24	25 42	2 37	14 7	0 50	22 38	0 45	14 41	0 47	22 24	1 4	15 6	7 37	23 14	23 13	24 7	3 16	4 24
M 7	3 39	13 22	2 59	1 44	0 6	11 1	0 28	25 44	2 36	14 10	0 50	22 38	0 45	14 41	0 47	22 24	1 4	15 6	7 37	23 13	23 13	24 6	3 13	4 23
T 8	3 15	17 38	2 1	2 28	0s 2	11 30	0 31	25 46	2 35	14 14	0 50	22 38	0 45	14 42	0 47	22 24	1 4	15 6	7 37	23 13	23 13	24 6	3 10	4 23
W 9	2 52	21 1	0 58	3 12	0 9	11 59	0 35	25 48	2 35	14 18	0 50	22 38	0 45	14 43	0 47	22 24	1 4	15 6	7 37	23 13	23 13	24 5	3 7	4 23
T 10	2 29	23 22	0n 5	3 56	0 16	12 27	0 38	25 50	2 34	14 21	0 50	22 39	0 45	14 43	0 47	22 24	1 4	15 6	7 38	23 13	23 12	24 5	3 4	4 23
F 11	2 5	24 38	1 8	4 39	0 23	12 55	0 41	25 52	2 33	14 25	0 50	22 39	0 45	14 44	0 47	22 24	1 4	15 5	7 38	23 13	23 12	24 4	3 1	4 23
S 12	1 42	24 46	2 7	5 21	0 30	13 23	0 45	25 53	2 32	14 28	0 49	22 39	0 44	14 45	0 47	22 24	1 4	15 5	7 38	23 13	23 12	24 4	2 57	4 23
S 13	1 18	23 46	3 1	6 4	0 38	13 51	0 48	25 55	2 31	14 32	0 49	22 39	0 44	14 45	0 46	22 25	1 4	15 5	7 38	23 13	23 12	24 3	2 54	4 23
M14	0 55	21 43	3 46	6 45	0 45	14 18	0 52	25 56	2 31	14 36	0 49	22 40	0 44	14 46	0 46	22 25	1 4	15 5	7 38	23 12	23 11	24 3	2 51	4 23
T 15	0 31	18 41	4 23	7 26	0 52	14 45	0 55	25 56	2 30	14 39	0 49	22 40	0 44	14 46	0 46	22 25	1 4	15 5	7 38	23 11	23 11	24 2	2 48	4 23
W16	0 7	14 50	4 48	8 7	0 59	15 12	0 59	25 57	2 29	14 43	0 49	22 40	0 44	14 47	0 46	22 25	1 4	15 5	7 38	23 11	23 11	24 2	2 45	4 23
T 17	0s16	10 17	5 0	8 47	1 7	15 38	1 2	25 58	2 28	14 47	0 49	22 40	0 44	14 47	0 46	22 25	1 4	15 5	7 38	23 10	23 11	24 1	2 42	4 23
F 18	0 40	5 13	4 57	9 26	1 14	16 4	1 6	25 58	2 27	14 50	0 48	22 41	0 43	14 48	0 46	22 25	1 4	15 4	7 39	23 9	23 11	24 0	2 39	4 23
S 19	1 4	0s 9	4 40	10 5	1 21	16 30	1 9	25 58	2 26	14 54	0 48	22 41	0 43	14 48	0 46	22 25	1 4	15 4	7 39	23 8	23 10	24 0	2 36	4 23
S 20	1 27	5 37	4 7	10 43	1 28	16 55	1 12	25 58	2 26	14 58	0 48	22 41	0 43	14 49	0 46	22 25	1 4	15 4	7 39	23 7	23 10	23 59	2 32	4 23
M21	1 51	10 55	3 21	11 20	1 35	17 20	1 16	25 57	2 25	15 1	0 48	22 42	0 43	14 49	0 46	22 25	1 3	15 4	7 39	23 6	23 10	23 59	2 29	4 23
T 22	2 15	15 47	2 23	11 56	1 41	17 45	1 19	25 57	2 24	15 5	0 48	22 42	0 43	14 50	0 46	22 25	1 3	15 4	7 39	23 6	23 10	23 58	2 26	4 23
W23	2 38	19 55	1 16	12 32	1 48	18 9	1 23	25 56	2 23	15 9	0 48	22 42	0 43	14 50	0 46	22 25	1 3	15 4	7 39	23 5	23 9	23 58	2 23	4 23
T 24	3 2	22 59	0 3	13 7	1 55	18 32	1 26	25 55	2 22	15 13	0 48	22 42	0 43	14 51	0 46	22 25	1 3	15 4	7 39	23 5	23 9	23 57	2 20	4 23
F 25	3 26	24 42	1s10	13 41	2 1	18 55	1 29	25 53	2 21	15 16	0 47	22 43	0 42	14 51	0 46	22 25	1 3	15 3	7 39	23 5	23 9	23 56	2 17	4 23
S 26	3 49	24 52	2 20	14 14	2 7	19 18	1 33	25 52	2 20	15 20	0 47	22 43	0 42	14 52	0 46	22 25	1 3	15 3	7 39	23 5	23 9	23 56	2 14	4 23
S 27	4 13	23 25	3 22	14 47	2 13	19 40	1 36	25 50	2 19	15 24	0 47	22 43	0 42	14 52	0 46	22 25	1 3	15 3	7 40	23 5	23 8	23 55	2 11	4 23
M28	4 36	20 28	4 12	15 18	2 19	20 2	1 39	25 48	2 18	15 28	0 47	22 44	0 42	14 53	0 46	22 26	1 3	15 3	7 40	23 5	23 8	23 54	2 8	4 23
T 29	4 59	16 16	4 46	15 48	2 24	20 23	1 42	25 46	2 17	15 31	0 47	22 44	0 42	14 53	0 46	22 26	1 3	15 3	7 40	23 4	23 8	23 54	2 4	4 23
W30	5s23	11s 8	5s 2	16s17	2s29	20s44	1s46	25s44	2s16	15s35	0n47	22s44	0n42	14s53	0s46	22s26	1n 3	15n 3	7s40	23n 4	23n 8	23n53	2n 1	4s23

Julian Day Number = 2146452.5, Delta T = 14m41s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'37, Lahiri = 12°12'37 Julian Calendar 1 Sept. 1164 == Greg. Calendar 8 Sept. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

OCTOBER 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 46	14♎33'58	27♓50	8♏15	25♏52	5♑43	14♏56	24♐30	22°R13	25♐45	14°R39	18°R28	19♊23	27♋29	14♍48	T 1
F 2	1 9 42	15°33'41	11♈55	9°24	27° 3	6°25	15° 8	24°34	22♒12	25°46	14♊39	18♊18	19°20	27°36	14°56	F 2
S 3	1 13 39	16°33'26	25°42	10°30	28°13	7° 7	15°21	24°38	22°11	25°47	14°38	18° 8	19°17	27°43	15° 4	S 3
S 4	1 17 35	17°33'13	9♉ 9	11°35	29°24	7°49	15°33	24°42	22°10	25°48	14°37	18° 0	19°14	27°49	15°11	S 4
M 5	1 21 32	18°33'02	22°14	12°37	0♐34	8°31	15°46	24°46	22° 9	25°49	14°37	17°55	19°11	27°56	15°19	M 5
T 6	1 25 28	19°32'54	4♊57	13°36	1°44	9°14	15°58	24°50	22° 8	25°50	14°36	17°51	19° 8	28° 3	15°27	T 6
W 7	1 29 25	20°32'48	17°20	14°32	2°54	9°56	16°11	24°54	22° 7	25°51	14°36	17°D51	19° 4	28° 9	15°34	W 7
T 8	1 33 21	21°32'43	29°28	15°25	4° 4	10°39	16°24	24°58	22° 6	25°53	14°35	17°51	19° 1	28°16	15°42	T 8
F 9	1 37 18	22°32'42	11♋25	16°14	5°14	11°21	16°37	25° 3	22° 5	25°54	14°34	17°52	18°58	28°23	15°50	F 9
S 10	1 41 15	23°32'42	23°15	16°59	6°24	12° 4	16°49	25° 7	22° 4	25°55	14°34	17°R53	18°55	28°29	15°57	S 10
S 11	1 45 11	24°32'44	5♌ 5	17°39	7°34	12°47	17° 2	25°12	22° 3	25°56	14°33	17°52	18°52	28°36	16° 5	S 11
M12	1 49 8	25°32'49	16°59	18°14	8°44	13°30	17°15	25°16	22° 3	25°58	14°32	17°49	18°48	28°43	16°12	M12
T 13	1 53 4	26°32'56	29° 2	18°44	9°54	14°12	17°28	25°21	22° 2	25°59	14°32	17°45	18°45	28°49	16°19	T 13
W14	1 57 1	27°33'05	11♍19	19° 7	11° 3	14°55	17°41	25°26	22° 2	26° 0	14°31	17°38	18°42	28°56	16°27	W14
T 15	2 0 57	28°33'16	23°52	19°23	12°13	15°39	17°54	25°30	22° 1	26° 2	14°30	17°29	18°39	29° 3	16°34	T 15
F 16	2 4 54	29°33'29	6♎43	19°32	13°22	16°22	18° 7	25°35	22° 1	26° 3	14°29	17°21	18°36	29° 9	16°41	F 16
S 17	2 8 50	0♏33'43	19°52	19°R32	14°31	17° 5	18°20	25°40	22° 0	26° 5	14°29	17°12	18°33	29°16	16°48	S 17
S 18	2 12 47	1°34'00	3♏19	19°24	15°41	17°48	18°33	25°45	22° 0	26° 6	14°28	17° 4	18°29	29°23	16°55	S 18
M19	2 16 44	2°34'19	17° 0	19° 6	16°50	18°32	18°46	25°50	21°59	26° 8	14°27	16°59	18°26	29°29	17° 2	M19
T 20	2 20 40	3°34'39	0♐52	18°38	17°59	19°15	18°59	25°55	21°59	26° 9	14°26	16°56	18°23	29°36	17° 9	T 20
W21	2 24 37	4°35'01	14°53	18° 1	19° 8	19°59	19°13	26° 1	21°59	26°11	14°25	16°D54	18°20	29°43	17°16	W21
T 22	2 28 33	5°35'25	29° 0	17°13	20°16	20°42	19°26	26° 6	21°59	26°12	14°24	16°55	18°17	29°50	17°23	T 22
F 23	2 32 30	6°35'50	13♑ 9	16°16	21°25	21°26	19°39	26°11	21°58	26°14	14°23	16°56	18°14	29°56	17°30	F 23
S 24	2 36 26	7°36'17	27°19	15°11	22°33	22°10	19°52	26°17	21°58	26°16	14°23	16°58	18°10	0♌ 3	17°36	S 24
S 25	2 40 23	8°36'44	11♒27	13°59	23°42	22°54	20° 6	26°22	21°D58	26°17	14°22	16°R58	18° 7	0°10	17°43	S 25
M26	2 44 19	9°37'13	25°34	12°41	24°50	23°37	20°19	26°28	21°58	26°19	14°21	16°57	18° 4	0°16	17°50	M26
T 27	2 48 16	10°37'44	9♓36	11°21	25°58	24°21	20°32	26°33	21°58	26°21	14°20	16°54	18° 1	0°23	17°56	T 27
W28	2 52 13	11°38'15	23°33	10° 0	27° 6	25° 5	20°46	26°39	21°59	26°22	14°19	16°50	17°58	0°30	18° 2	W28
T 29	2 56 9	12°38'48	7♈20	8°42	28°14	25°49	20°59	26°45	21°59	26°24	14°18	16°44	17°54	0°36	18° 9	T 29
F 30	3 0 6	13°39'23	20°57	7°28	29°21	26°33	21°12	26°50	21°59	26°26	14°17	16°39	17°51	0°43	18°15	F 30
S 31	3 4 2	14♏39'58	4♉19	6♏22	0♑29	27♑17	21♏26	26♐56	21♒59	26♐28	14♊16	16♊33	17♊48	0♌50	18♍21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s46	5s26	4s59	16s45	2s34	21s 4	1s49	25s41	2s16	15s39	0n47	22s44	0n42	14s54	0s46	22s26	1n 3	15n 2	7s40	23n 3	23n 7	23n52	1n58	4s23
F 2	6 9	0n28	4 38	17 12	2 39	21 24	1 52	25 38	2 15	15 43	0 46	22 45	0 41	14 54	0 46	22 26	1 3	15 2	7 40	23 2	23 7	23 52	1 55	4 23
S 3	6 32	6 14	4 1	17 37	2 43	21 43	1 55	25 35	2 14	15 46	0 46	22 45	0 41	14 54	0 46	22 26	1 3	15 2	7 40	23 1	23 7	23 51	1 52	4 23
S 4	6 55	11 35	3 11	18 1	2 47	22 2	1 58	25 31	2 13	15 50	0 46	22 45	0 41	14 55	0 46	22 26	1 3	15 2	7 40	23 0	23 7	23 50	1 49	4 23
M 5	7 18	16 16	2 13	18 24	2 50	22 20	2 1	25 28	2 12	15 54	0 46	22 46	0 41	14 55	0 46	22 26	1 3	15 2	7 40	23 0	23 6	23 50	1 46	4 23
T 6	7 41	20 6	1 9	18 45	2 53	22 37	2 4	25 24	2 11	15 58	0 46	22 46	0 41	14 55	0 46	22 26	1 3	15 2	7 41	22 59	23 6	23 49	1 43	4 23
W 7	8 4	22 54	0 3	19 4	2 56	22 54	2 7	25 20	2 10	16 1	0 46	22 46	0 41	14 56	0 46	22 26	1 3	15 2	7 41	22 59	23 6	23 48	1 40	4 23
T 8	8 26	24 35	1n 2	19 21	2 57	23 10	2 9	25 15	2 9	16 5	0 46	22 46	0 41	14 56	0 46	22 26	1 3	15 1	7 41	22 59	23 6	23 48	1 37	4 23
F 9	8 49	25 6	2 3	19 37	2 58	23 26	2 12	25 11	2 8	16 9	0 46	22 47	0 41	14 56	0 46	22 26	1 3	15 1	7 41	23 0	23 5	23 47	1 34	4 23
S 10	9 11	24 28	2 58	19 50	2 59	23 41	2 15	25 6	2 7	16 13	0 45	22 47	0 40	14 56	0 46	22 26	1 3	15 1	7 41	23 0	23 5	23 46	1 31	4 24
S 11	9 33	22 44	3 46	20 2	2 58	23 56	2 17	25 1	2 6	16 16	0 45	22 47	0 40	14 56	0 46	22 27	1 3	15 1	7 41	22 59	23 5	23 45	1 28	4 24
M12	9 55	20 0	4 24	20 10	2 57	24 10	2 20	24 56	2 5	16 20	0 45	22 48	0 40	14 57	0 46	22 27	1 3	15 1	7 41	22 59	23 4	23 45	1 25	4 24
T 13	10 17	16 24	4 51	20 16	2 55	24 23	2 22	24 50	2 4	16 24	0 45	22 48	0 40	14 57	0 46	22 27	1 3	15 1	7 41	22 59	23 4	23 44	1 22	4 24
W14	10 39	12 3	5 5	20 20	2 51	24 35	2 25	24 44	2 3	16 28	0 45	22 48	0 40	14 57	0 46	22 27	1 3	15 0	7 41	22 58	23 4	23 43	1 19	4 24
T 15	11 1	7 7	5 5	20 20	2 47	24 47	2 27	24 38	2 2	16 31	0 45	22 49	0 40	14 57	0 46	22 27	1 2	15 0	7 41	22 57	23 4	23 43	1 16	4 24
F 16	11 22	1 45	4 50	20 17	2 41	24 59	2 29	24 32	2 1	16 35	0 45	22 49	0 40	14 57	0 46	22 27	1 2	15 0	7 41	22 57	23 3	23 42	1 13	4 24
S 17	11 43	3s48	4 19	20 10	2 34	25 9	2 32	24 26	2 0	16 39	0 45	22 49	0 40	14 57	0 46	22 27	1 2	15 0	7 41	22 56	23 3	23 41	1 11	4 24
S 18	12 4	9 20	3 33	19 59	2 25	25 19	2 34	24 19	1 59	16 43	0 45	22 49	0 39	14 57	0 45	22 27	1 2	15 0	7 42	22 55	23 3	23 40	1 8	4 25
M19	12 25	14 31	2 35	19 44	2 15	25 28	2 36	24 12	1 58	16 46	0 45	22 50	0 39	14 58	0 45	22 27	1 2	15 0	7 42	22 54	23 3	23 39	1 5	4 25
T 20	12 46	19 2	1 26	19 25	2 3	25 37	2 38	24 5	1 57	16 50	0 44	22 50	0 39	14 58	0 45	22 27	1 2	14 59	7 42	22 54	23 2	23 39	1 2	4 25
W21	13 6	22 30	0 11	19 1	1 49	25 45	2 39	23 57	1 55	16 54	0 44	22 50	0 39	14 58	0 45	22 27	1 2	14 59	7 42	22 54	23 2	23 38	0 59	4 25
T 22	13 27	24 38	1s 5	18 33	1 34	25 52	2 41	23 50	1 54	16 57	0 44	22 50	0 39	14 58	0 45	22 27	1 2	14 59	7 42	22 54	23 2	23 37	0 56	4 25
F 23	13 47	25 11	2 18	18 0	1 17	25 59	2 43	23 42	1 53	17 1	0 44	22 51	0 39	14 58	0 45	22 28	1 2	14 59	7 42	22 54	23 1	23 36	0 54	4 25
S 24	14 7	24 5	3 22	17 23	0 58	26 4	2 44	23 34	1 52	17 5	0 44	22 51	0 39	14 58	0 45	22 28	1 2	14 59	7 42	22 54	23 1	23 35	0 51	4 25
S 25	14 26	21 29	4 14	16 43	0 39	26 9	2 46	23 25	1 51	17 8	0 44	22 51	0 39	14 58	0 45	22 28	1 2	14 59	7 42	22 54	23 1	23 35	0 48	4 26
M26	14 46	17 36	4 50	16 0	0 18	26 14	2 47	23 17	1 50	17 12	0 44	22 52	0 38	14 58	0 45	22 28	1 2	14 58	7 42	22 54	23 1	23 34	0 45	4 26
T 27	15 5	12 46	5 9	15 16	0n 2	26 17	2 48	23 8	1 49	17 16	0 44	22 52	0 38	14 58	0 45	22 28	1 2	14 58	7 42	22 54	23 0	23 33	0 43	4 26
W28	15 24	7 18	5 9	14 31	0 23	26 20	2 49	22 59	1 48	17 19	0 44	22 52	0 38	14 57	0 45	22 28	1 2	14 58	7 42	22 54	23 0	23 32	0 40	4 26
T 29	15 42	1 32	4 51	13 47	0 43	26 23	2 50	22 50	1 47	17 23	0 44	22 52	0 38	14 57	0 45	22 28	1 2	14 58	7 42	22 53	23 0	23 31	0 37	4 26
F 30	16 1	4n14	4 18	13 6	1 2	26 24	2 51	22 40	1 46	17 27	0 43	22 53	0 38	14 57	0 45	22 28	1 2	14 58	7 42	22 52	22 59	23 30	0 35	4 27
S 31	16s19	9n43	3s30	12s27	1n19	26s25	2s52	22s31	1s45	17s30	0n43	22s53	0n38	14s57	0s45	22s28	1n 2	14n58	7s42	22n52	22n59	23n30	0n32	4s27

Julian Day Number = 2146482.5, Delta T = 14m41s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'41, Lahiri = 12°12'41 Julian Calendar 1 Oct. 1164 == Greg. Calendar 8 Oct. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

NOVEMBER 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 59	15♏40'36	17♉26	5°R25	1♋36	28♋ 1	21♏39	27♐ 2	22♒ 0	26♐29	14°R15	16°R29	17♊45	0♌56	18♍27	S 1
M 2	3 11 55	16°41'15	0♊17	4♏39	2°43	28°46	21°52	27° 8	22° 0	26°31	14♊14	16♊26	17°42	1° 3	18°33	M 2
T 3	3 15 52	17°41'55	12°51	4° 4	3°50	29°30	22° 6	27°14	22° 0	26°33	14°13	16°D25	17°39	1°10	18°39	T 3
W 4	3 19 48	18°42'37	25°10	3°40	4°56	0♒14	22°19	27°20	22° 1	26°35	14°12	16°26	17°35	1°16	18°45	W 4
T 5	3 23 45	19°43'20	7♋16	3°28	6° 3	0°58	22°33	27°26	22° 1	26°37	14°11	16°27	17°32	1°23	18°51	T 5
F 6	3 27 42	20°44'05	19°12	3°D27	7° 9	1°43	22°46	27°32	22° 2	26°39	14°10	16°29	17°29	1°30	18°57	F 6
S 7	3 31 38	21°44'52	1♌ 3	3°37	8°15	2°27	23° 0	27°38	22° 3	26°41	14° 9	16°30	17°26	1°36	19° 2	S 7
S 8	3 35 35	22°45'40	12°53	3°57	9°21	3°11	23°13	27°44	22° 3	26°43	14° 7	16°32	17°23	1°43	19° 8	S 8
M 9	3 39 31	23°46'30	24°47	4°26	10°27	3°56	23°27	27°51	22° 4	26°45	14° 6	16°R32	17°20	1°50	19°13	M 9
T 10	3 43 28	24°47'21	6♍50	5° 2	11°32	4°40	23°40	27°57	22° 5	26°47	14° 5	16°32	17°16	1°56	19°19	T 10
W11	3 47 24	25°48'13	19° 6	5°46	12°37	5°25	23°54	28° 3	22° 6	26°49	14° 4	16°30	17°13	2° 3	19°24	W11
T 12	3 51 21	26°49'07	1♎40	6°36	13°42	6° 9	24° 7	28°10	22° 6	26°51	14° 3	16°28	17°10	2°10	19°29	T 12
F 13	3 55 17	27°50'02	14°35	7°32	14°47	6°54	24°20	28°16	22° 7	26°53	14° 2	16°25	17° 7	2°17	19°34	F 13
S 14	3 59 14	28°50'59	27°53	8°32	15°52	7°38	24°34	28°22	22° 8	26°55	14° 1	16°22	17° 4	2°23	19°39	S 14
S 15	4 3 11	29°51'57	11♏33	9°37	16°56	8°23	24°47	28°29	22° 9	26°57	14° 0	16°20	17° 0	2°30	19°44	S 15
M16	4 7 7	0♐52'56	25°33	10°45	18° 0	9° 7	25° 1	28°35	22°11	26°59	13°58	16°18	16°57	2°37	19°49	M16
T 17	4 11 4	1°53'56	9♐51	11°57	19° 3	9°52	25°14	28°42	22°12	27° 1	13°57	16°D17	16°54	2°43	19°54	T 17
W18	4 15 0	2°54'57	24°20	13°11	20° 7	10°37	25°28	28°49	22°13	27° 3	13°56	16°17	16°51	2°50	19°59	W18
T 19	4 18 57	3°55'59	8♑56	14°28	21°10	11°21	25°41	28°55	22°14	27° 5	13°55	16°18	16°48	2°57	20° 3	T 19
F 20	4 22 53	4°57'02	23°31	15°47	22°12	12° 6	25°55	29° 2	22°15	27° 7	13°54	16°19	16°45	3° 3	20° 8	F 20
S 21	4 26 50	5°58'06	8♒ 0	17° 7	23°15	12°51	26° 8	29° 8	22°17	27° 9	13°53	16°20	16°41	3°10	20°12	S 21
S 22	4 30 46	6°59'09	22°21	18°29	24°17	13°36	26°21	29°15	22°18	27°12	13°52	16°20	16°38	3°17	20°16	S 22
M23	4 34 43	8° 0'14	6♓28	19°53	25°18	14°20	26°35	29°22	22°20	27°14	13°50	16°R21	16°35	3°23	20°20	M23
T 24	4 38 40	9° 1'18	20°23	21°17	26°19	15° 5	26°48	29°29	22°21	27°16	13°49	16°21	16°32	3°30	20°25	T 24
W25	4 42 36	10° 2'23	4♈ 2	22°43	27°20	15°50	27° 1	29°35	22°23	27°18	13°48	16°20	16°29	3°37	20°29	W25
T 26	4 46 33	11° 3'29	17°27	24° 9	28°21	16°35	27°15	29°42	22°24	27°20	13°47	16°19	16°26	3°43	20°32	T 26
F 27	4 50 29	12° 4'35	0♉38	25°36	29°21	17°20	27°28	29°49	22°26	27°23	13°46	16°19	16°22	3°50	20°36	F 27
S 28	4 54 26	13° 5'41	13°35	27° 4	0♒20	18° 4	27°41	29°56	22°27	27°25	13°44	16°18	16°19	3°57	20°40	S 28
S 29	4 58 22	14° 6'48	26°19	28°32	1°19	18°49	27°54	0♋ 3	22°29	27°27	13°43	16°18	16°16	4° 4	20°43	S 29
M30	5 2 19	15♐ 7'55	8♊51	0♐ 1	2♒18	19♒34	28♏ 8	0♋10	22♒31	27♐29	13♊42	16♊18	16♊13	4♌10	20♍47	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s36	14n41	2s32	11s54	1n35	26s25	2s53	22s21	1s44	17s34	0n43	22s53	0n38	14s57	0s45	22s28	1n 2	14n58	7s42	22n52	22n59	23n29	0n29	4s27
M 2	16 54	18 53	1 27	11 25	1 49	26 25	2 53	22 11	1 43	17 37	0 43	22 53	0 38	14 57	0 45	22 28	1 2	14 57	7 42	22 51	22 59	23 28	0 27	4 27
T 3	17 11	22 7	0 20	11 2	2 1	26 23	2 54	22 0	1 42	17 41	0 43	22 54	0 38	14 57	0 45	22 28	1 2	14 57	7 42	22 51	22 58	23 27	0 24	4 27
W 4	17 28	24 15	0n48	10 45	2 11	26 21	2 54	21 50	1 41	17 44	0 43	22 54	0 37	14 56	0 45	22 28	1 2	14 57	7 42	22 51	22 58	23 26	0 22	4 28
T 5	17 45	25 13	1 52	10 34	2 18	26 19	2 54	21 39	1 39	17 48	0 43	22 54	0 37	14 56	0 45	22 29	1 2	14 57	7 42	22 51	22 58	23 25	0 19	4 28
F 6	18 1	24 59	2 51	10 28	2 24	26 15	2 54	21 28	1 38	17 51	0 43	22 54	0 37	14 56	0 45	22 29	1 2	14 57	7 42	22 51	22 57	23 24	0 17	4 28
S 7	18 17	23 37	3 41	10 27	2 28	26 11	2 54	21 17	1 37	17 55	0 43	22 54	0 37	14 56	0 45	22 29	1 2	14 57	7 43	22 52	22 57	23 23	0 15	4 28
S 8	18 33	21 13	4 23	10 32	2 31	26 7	2 54	21 6	1 36	17 58	0 43	22 55	0 37	14 56	0 45	22 29	1 2	14 57	7 43	22 52	22 57	23 23	0 12	4 29
M 9	18 48	17 55	4 53	10 40	2 32	26 1	2 54	20 54	1 35	18 2	0 43	22 55	0 37	14 55	0 45	22 29	1 2	14 56	7 43	22 52	22 56	23 22	0 10	4 29
T 10	19 3	13 51	5 11	10 52	2 32	25 55	2 53	20 42	1 34	18 5	0 43	22 55	0 37	14 55	0 45	22 29	1 2	14 56	7 43	22 52	22 56	23 21	0 7	4 29
W11	19 18	9 9	5 15	11 8	2 31	25 48	2 53	20 30	1 33	18 9	0 43	22 55	0 37	14 55	0 45	22 29	1 2	14 56	7 43	22 52	22 56	23 20	0 5	4 29
T 12	19 32	3 59	5 4	11 27	2 28	25 41	2 52	20 18	1 32	18 12	0 42	22 55	0 37	14 54	0 45	22 29	1 2	14 56	7 43	22 51	22 56	23 19	0 3	4 30
F 13	19 46	1s30	4 38	11 48	2 25	25 33	2 51	20 6	1 31	18 15	0 42	22 56	0 37	14 54	0 45	22 29	1 2	14 56	7 43	22 51	22 55	23 18	0 1	4 30
S 14	20 0	7 5	3 57	12 11	2 21	25 25	2 50	19 53	1 30	18 19	0 42	22 56	0 36	14 54	0 44	22 29	1 1	14 56	7 43	22 51	22 55	23 17	0s 2	4 30
S 15	20 13	12 30	3 0	12 36	2 17	25 15	2 48	19 41	1 29	18 22	0 42	22 56	0 36	14 53	0 44	22 29	1 1	14 56	7 43	22 51	22 55	23 16	0 4	4 30
M16	20 26	17 25	1 52	13 2	2 12	25 5	2 47	19 28	1 28	18 25	0 42	22 56	0 36	14 53	0 44	22 29	1 1	14 55	7 43	22 50	22 54	23 15	0 6	4 31
T 17	20 38	21 27	0 36	13 29	2 6	24 55	2 45	19 15	1 26	18 29	0 42	22 56	0 36	14 53	0 44	22 29	1 1	14 55	7 43	22 50	22 54	23 14	0 8	4 31
W18	20 50	24 10	0s44	13 58	2 0	24 44	2 44	19 1	1 25	18 32	0 42	22 56	0 36	14 52	0 44	22 30	1 1	14 55	7 43	22 50	22 54	23 13	0 10	4 31
T 19	21 2	25 17	2 2	14 26	1 54	24 32	2 42	18 48	1 24	18 35	0 42	22 57	0 36	14 52	0 44	22 30	1 1	14 55	7 43	22 50	22 53	23 12	0 12	4 32
F 20	21 13	24 39	3 12	14 56	1 47	24 20	2 40	18 34	1 23	18 38	0 42	22 57	0 36	14 51	0 44	22 30	1 1	14 55	7 43	22 50	22 53	23 11	0 14	4 32
S 21	21 24	22 21	4 9	15 25	1 41	24 7	2 38	18 21	1 22	18 42	0 42	22 57	0 36	14 51	0 44	22 30	1 1	14 55	7 43	22 51	22 53	23 10	0 16	4 32
S 22	21 35	18 41	4 50	15 55	1 34	23 54	2 35	18 7	1 21	18 45	0 42	22 57	0 36	14 50	0 44	22 30	1 1	14 55	7 42	22 51	22 52	23 9	0 18	4 32
M23	21 45	14 0	5 12	16 24	1 26	23 40	2 33	17 53	1 20	18 48	0 42	22 57	0 36	14 50	0 44	22 30	1 1	14 55	7 42	22 51	22 52	23 8	0 20	4 33
T 24	21 54	8 40	5 16	16 53	1 19	23 26	2 30	17 38	1 19	18 51	0 42	22 57	0 36	14 49	0 44	22 30	1 1	14 55	7 42	22 51	22 52	23 7	0 22	4 33
W25	22 3	3 1	5 2	17 23	1 12	23 11	2 27	17 24	1 18	18 54	0 42	22 57	0 35	14 49	0 44	22 30	1 1	14 54	7 42	22 51	22 51	23 6	0 24	4 33
T 26	22 12	2n42	4 32	17 51	1 4	22 56	2 24	17 9	1 17	18 57	0 42	22 58	0 35	14 48	0 44	22 30	1 1	14 54	7 42	22 51	22 51	23 5	0 26	4 34
F 27	22 21	8 12	3 47	18 20	0 57	22 40	2 21	16 55	1 16	19 0	0 42	22 58	0 35	14 48	0 44	22 30	1 1	14 54	7 42	22 50	22 51	23 4	0 27	4 34
S 28	22 28	13 15	2 52	18 47	0 49	22 24	2 17	16 40	1 15	19 4	0 42	22 58	0 35	14 47	0 44	22 30	1 1	14 54	7 42	22 50	22 50	23 3	0 29	4 34
S 29	22 36	17 39	1 49	19 14	0 42	22 7	2 13	16 25	1 13	19 7	0 41	22 58	0 35	14 46	0 44	22 30	1 1	14 54	7 42	22 50	22 50	23 2	0 31	4 35
M30	22s43	21n12	0s41	19s41	0n35	21s50	2s 9	16s10	1s12	19s10	0n41	22s58	0n35	14s46	0s44	22s30	1n 1	14n54	7s42	22n50	22n50	23n 1	0s32	4s35

Julian Day Number = 2146513.5, Delta T = 14m41s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'45, Lahiri = 12°12'45 Julian Calendar 1 Nov. 1164 == Greg. Calendar 8 Nov. 1164

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ASTRODIENST EPHEMERIS for the year 1164
geocentric

DECEMBER 1164 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 15	16♐ 9'03	21♊11	1♐30	3♒16	20♒19	28♏21	0♑17	22♒33	27♐31	13°R41	16°R18	16♊10	4♌17	20♍50	T 1
W 2	5 10 12	17°10'12	3♋21	3° 0	4°13	21° 4	28°34	0°24	22°34	27°34	13♊40	16♊18	16° 6	4°24	20°53	W 2
T 3	5 14 9	18°11'21	15°22	4°30	5°10	21°48	28°47	0°31	22°36	27°36	13°39	16°18	16° 3	4°30	20°56	T 3
F 4	5 18 5	19°12'30	27°16	6° 0	6° 7	22°33	29° 0	0°38	22°38	27°38	13°37	16°18	16° 0	4°37	20°59	F 4
S 5	5 22 2	20°13'40	9♌ 7	7°31	7° 3	23°18	29°13	0°45	22°40	27°40	13°36	16°17	15°57	4°44	21° 2	S 5
S 6	5 25 58	21°14'50	20°57	9° 2	7°58	24° 3	29°26	0°52	22°42	27°43	13°35	16°16	15°54	4°50	21° 5	S 6
M 7	5 29 55	22°16'01	2♍50	10°34	8°53	24°48	29°39	0°59	22°44	27°45	13°34	16°16	15°51	4°57	21° 8	M 7
T 8	5 33 51	23°17'12	14°51	12° 5	9°47	25°32	29°52	1° 6	22°46	27°47	13°33	16°15	15°47	5° 4	21°10	T 8
W 9	5 37 48	24°18'24	27° 3	13°37	10°40	26°17	0♐ 5	1°13	22°49	27°50	13°31	16°D15	15°44	5°10	21°13	W 9
T 10	5 41 44	25°19'36	9♎33	15°10	11°33	27° 2	0°18	1°20	22°51	27°52	13°30	16°16	15°41	5°17	21°15	T 10
F 11	5 45 41	26°20'49	22°23	16°42	12°25	27°47	0°31	1°27	22°53	27°54	13°29	16°16	15°38	5°24	21°17	F 11
S 12	5 49 38	27°22'02	5♏37	18°15	13°16	28°31	0°43	1°34	22°55	27°56	13°28	16°17	15°35	5°31	21°19	S 12
S 13	5 53 34	28°23'15	19°18	19°48	14° 6	29°16	0°56	1°41	22°58	27°59	13°27	16°18	15°32	5°37	21°21	S 13
M14	5 57 31	29°24'28	3♐24	21°22	14°56	0♓ 1	1° 9	1°48	23° 0	28° 1	13°26	16°19	15°28	5°44	21°23	M14
T 15	6 1 27	0♑25'42	17°55	22°56	15°45	0°46	1°22	1°55	23° 2	28° 3	13°25	16°R20	15°25	5°51	21°25	T 15
W16	6 5 24	1°26'56	2♑44	24°30	16°33	1°31	1°34	2° 2	23° 5	28° 5	13°23	16°19	15°22	5°57	21°27	W16
T 17	6 9 20	2°28'09	17°45	26° 5	17°19	2°15	1°47	2° 9	23° 7	28° 8	13°22	16°18	15°19	6° 4	21°28	T 17
F 18	6 13 17	3°29'23	2♒47	27°40	18° 6	3° 0	1°59	2°16	23°10	28°10	13°21	16°16	15°16	6°11	21°29	F 18
S 19	6 17 14	4°30'36	17°43	29°15	18°51	3°45	2°12	2°23	23°12	28°12	13°20	16°13	15°12	6°17	21°31	S 19
S 20	6 21 10	5°31'48	2♓25	0♑51	19°34	4°29	2°24	2°31	23°15	28°15	13°19	16°11	15° 9	6°24	21°32	S 20
M21	6 25 7	6°33'00	16°48	2°27	20°17	5°14	2°36	2°38	23°17	28°17	13°18	16° 9	15° 6	6°31	21°33	M21
T 22	6 29 3	7°34'11	0♈47	4° 4	20°59	5°59	2°49	2°45	23°20	28°19	13°17	16° 8	15° 3	6°37	21°34	T 22
W23	6 33 0	8°35'21	14°24	5°41	21°40	6°43	3° 1	2°52	23°23	28°21	13°16	16°D 8	15° 0	6°44	21°35	W23
T 24	6 36 56	9°36'31	27°39	7°19	22°19	7°28	3°13	2°59	23°25	28°24	13°15	16° 9	14°57	6°51	21°35	T 24
F 25	6 40 53	10°37'40	10♉34	8°57	22°57	8°13	3°25	3° 6	23°28	28°26	13°14	16°10	14°53	6°58	21°36	F 25
S 26	6 44 49	11°38'49	23°13	10°35	23°34	8°57	3°37	3°13	23°31	28°28	13°13	16°12	14°50	7° 4	21°36	S 26
S 27	6 48 46	12°39'57	5♊38	12°14	24° 9	9°42	3°49	3°20	23°34	28°30	13°12	16°13	14°47	7°11	21°37	S 27
M28	6 52 43	13°41'04	17°53	13°54	24°43	10°26	4° 1	3°27	23°36	28°32	13°11	16°R14	14°44	7°18	21°37	M28
T 29	6 56 39	14°42'10	29°59	15°34	25°15	11°11	4°13	3°34	23°39	28°35	13°10	16°13	14°41	7°24	21°R37	T 29
W30	7 0 36	15°43'16	11♋58	17°14	25°46	11°56	4°25	3°41	23°42	28°37	13° 9	16°10	14°38	7°31	21°37	W30
T 31	7 4 32	16♑44'21	23♋53	18♑55	26♒15	12♓40	4♐36	3♑48	23♒45	28♐39	13♊ 8	16♊ 6	14♊34	7♌38	21♍37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s49	23n42	0n27	20s 7	0n27	21s33	2s 5	15s54	1s11	19s13	0n41	22s58	0n35	14s45	0s44	22s30	1n 1	14n54	7s42	22n50	22n50	23n 0	0s34	4s35
W 2	22 56	25 4	1 33	20 32	0 20	21 15	2 1	15 39	1 10	19 15	0 41	22 58	0 35	14 45	0 44	22 30	1 1	14 54	7 42	22 50	22 49	22 59	0 36	4 36
T 3	23 1	25 13	2 35	20 56	0 13	20 57	1 57	15 24	1 9	19 18	0 41	22 58	0 35	14 44	0 44	22 30	1 1	14 54	7 42	22 50	22 49	22 58	0 37	4 36
F 4	23 6	24 12	3 28	21 19	0 5	20 38	1 52	15 8	1 8	19 21	0 41	22 58	0 35	14 43	0 44	22 31	1 1	14 54	7 42	22 50	22 49	22 57	0 39	4 36
S 5	23 11	22 7	4 13	21 42	0s 2	20 19	1 47	14 52	1 7	19 24	0 41	22 58	0 35	14 43	0 44	22 31	1 1	14 54	7 42	22 50	22 48	22 56	0 40	4 36
S 6	23 15	19 6	4 47	22 3	0 9	20 0	1 42	14 36	1 6	19 27	0 41	22 58	0 35	14 42	0 44	22 31	1 1	14 54	7 42	22 50	22 48	22 54	0 41	4 37
M 7	23 19	15 18	5 9	22 23	0 16	19 40	1 37	14 20	1 5	19 30	0 41	22 58	0 34	14 41	0 44	22 31	1 1	14 53	7 42	22 50	22 48	22 53	0 43	4 37
T 8	23 23	10 52	5 17	22 43	0 23	19 21	1 31	14 4	1 4	19 33	0 41	22 58	0 34	14 40	0 44	22 31	1 1	14 53	7 42	22 50	22 47	22 52	0 44	4 37
W 9	23 25	5 56	5 12	23 1	0 29	19 0	1 25	13 48	1 3	19 35	0 41	22 58	0 34	14 40	0 44	22 31	1 1	14 53	7 42	22 50	22 47	22 51	0 45	4 38
T 10	23 28	0 40	4 52	23 19	0 36	18 40	1 19	13 31	1 2	19 38	0 41	22 58	0 34	14 39	0 44	22 31	1 1	14 53	7 41	22 50	22 46	22 50	0 46	4 38
F 11	23 30	4s47	4 17	23 35	0 42	18 19	1 13	13 15	1 1	19 41	0 41	22 58	0 34	14 38	0 44	22 31	1 1	14 53	7 41	22 50	22 46	22 49	0 48	4 38
S 12	23 31	10 12	3 27	23 50	0 48	17 59	1 7	12 58	1 0	19 44	0 41	22 58	0 34	14 37	0 44	22 31	1 1	14 53	7 41	22 50	22 46	22 48	0 49	4 39
S 13	23 32	15 19	2 24	24 3	0 54	17 38	1 0	12 42	0 59	19 46	0 41	22 58	0 34	14 37	0 44	22 31	1 1	14 53	7 41	22 50	22 45	22 47	0 50	4 39
M14	23 33	19 46	1 11	24 16	1 0	17 17	0 53	12 25	0 58	19 49	0 41	22 58	0 34	14 36	0 44	22 31	1 1	14 53	7 41	22 51	22 45	22 46	0 51	4 39
T 15	23 33	23 9	0s 9	24 27	1 6	16 55	0 46	12 8	0 57	19 52	0 41	22 58	0 34	14 35	0 44	22 31	1 1	14 53	7 41	22 51	22 45	22 44	0 52	4 40
W16	23 32	25 1	1 30	24 37	1 11	16 34	0 39	11 51	0 55	19 54	0 41	22 58	0 34	14 34	0 43	22 31	1 1	14 53	7 41	22 50	22 44	22 43	0 53	4 40
T 17	23 32	25 6	2 45	24 46	1 17	16 12	0 31	11 34	0 54	19 57	0 41	22 58	0 34	14 33	0 43	22 31	1 1	14 53	7 41	22 50	22 44	22 42	0 54	4 40
F 18	23 30	23 21	3 49	24 53	1 22	15 51	0 23	11 17	0 53	19 59	0 41	22 58	0 34	14 33	0 43	22 31	1 1	14 53	7 41	22 50	22 44	22 41	0 55	4 41
S 19	23 28	19 59	4 37	24 59	1 27	15 29	0 15	11 0	0 52	20 2	0 41	22 58	0 34	14 32	0 43	22 31	1 1	14 53	7 41	22 50	22 43	22 40	0 55	4 41
S 20	23 26	15 25	5 6	25 4	1 31	15 7	0 7	10 42	0 51	20 4	0 41	22 58	0 33	14 31	0 43	22 31	1 1	14 53	7 41	22 50	22 43	22 39	0 56	4 41
M21	23 23	10 4	5 15	25 7	1 36	14 45	0n 2	10 25	0 50	20 7	0 41	22 58	0 33	14 30	0 43	22 31	1 1	14 53	7 40	22 49	22 43	22 37	0 57	4 42
T 22	23 20	4 21	5 5	25 9	1 40	14 24	0 11	10 7	0 49	20 9	0 41	22 58	0 33	14 29	0 43	22 31	1 1	14 53	7 40	22 49	22 42	22 36	0 57	4 42
W23	23 16	1n26	4 38	25 9	1 44	14 2	0 20	9 50	0 48	20 11	0 41	22 58	0 33	14 28	0 43	22 31	1 1	14 53	7 40	22 49	22 42	22 35	0 58	4 42
T 24	23 12	7 0	3 56	25 8	1 47	13 40	0 29	9 32	0 47	20 14	0 41	22 58	0 33	14 27	0 43	22 31	1 1	14 53	7 40	22 49	22 42	22 34	0 59	4 43
F 25	23 7	12 9	3 4	25 5	1 50	13 19	0 39	9 15	0 46	20 16	0 41	22 58	0 33	14 26	0 43	22 31	1 1	14 53	7 40	22 50	22 41	22 33	0 59	4 43
S 26	23 2	16 40	2 3	25 0	1 53	12 57	0 49	8 57	0 45	20 18	0 41	22 57	0 33	14 25	0 43	22 31	1 1	14 53	7 40	22 50	22 41	22 31	1 0	4 43
S 27	22 57	20 24	0 58	24 54	1 56	12 36	0 59	8 39	0 44	20 21	0 41	22 57	0 33	14 24	0 43	22 31	1 1	14 53	7 40	22 50	22 41	22 30	1 0	4 44
M28	22 50	23 9	0n 9	24 47	1 58	12 15	1 10	8 21	0 43	20 23	0 41	22 57	0 33	14 24	0 43	22 31	1 1	14 53	7 40	22 50	22 40	22 29	1 0	4 44
T 29	22 44	24 48	1 15	24 38	2 0	11 54	1 20	8 3	0 42	20 25	0 41	22 57	0 33	14 23	0 43	22 32	1 1	14 53	7 39	22 50	22 40	22 28	1 1	4 44
W30	22 37	25 16	2 16	24 27	2 2	11 33	1 31	7 45	0 41	20 27	0 41	22 57	0 33	14 22	0 43	22 32	1 1	14 53	7 39	22 50	22 39	22 26	1 1	4 45
T 31	22s30	24n34	3n12	24s14	2s 3	11s13	1n43	7s27	0s40	20s29	0n41	22s57	0n33	14s21	0s43	22s32	1n 1	14n53	7s39	22n49	22n39	22n25	1s 1	4s45

Julian Day Number = 2146543.5, Delta T = 14m41s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'49, Lahiri = 12°12'50 Julian Calendar 1 Dec. 1164 == Greg. Calendar 8 Dec. 1164

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

JANUARY 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 8 29	17♉45'25	5♌45	20♉37	26♒43	13♓24	4♐48	3♉55	23♒48	28♐41	13°R 7	16°R 1	14♊31	7♌44	21°R36	F 1
S 2	7 12 25	18°46'29	17°36	22°19	27° 9	14° 9	4°59	4° 2	23°51	28°43	13♊ 6	15♊55	14°28	7°51	21♍36	S 2
S 3	7 16 22	19°47'32	29°28	24° 2	27°33	14°53	5°11	4° 9	23°54	28°46	13° 5	15°48	14°25	7°58	21°36	S 3
M 4	7 20 18	20°48'35	11♍23	25°45	27°55	15°38	5°22	4°16	23°57	28°48	13° 4	15°42	14°22	8° 4	21°35	M 4
T 5	7 24 15	21°49'36	23°24	27°28	28°15	16°22	5°33	4°22	24° 0	28°50	13° 3	15°37	14°18	8°11	21°34	T 5
W 6	7 28 12	22°50'37	5♎35	29°12	28°33	17° 6	5°45	4°29	24° 3	28°52	13° 2	15°34	14°15	8°18	21°33	W 6
T 7	7 32 8	23°51'38	18° 0	0♒57	28°49	17°51	5°56	4°36	24° 6	28°54	13° 1	15°32	14°12	8°25	21°32	T 7
F 8	7 36 5	24°52'38	0♏43	2°42	29° 3	18°35	6° 7	4°43	24° 9	28°56	13° 1	15°D32	14° 9	8°31	21°31	F 8
S 9	7 40 1	25°53'37	13°48	4°27	29°15	19°19	6°18	4°50	24°12	28°58	13° 0	15°33	14° 6	8°38	21°30	S 9
S 10	7 43 58	26°54'35	27°19	6°12	29°25	20° 3	6°29	4°57	24°15	29° 0	12°59	15°35	14° 3	8°45	21°29	S 10
M11	7 47 54	27°55'33	11♐18	7°57	29°32	20°48	6°39	5° 3	24°19	29° 2	12°58	15°R36	13°59	8°51	21°27	M11
T 12	7 51 51	28°56'30	25°45	9°42	29°37	21°32	6°50	5°10	24°22	29° 4	12°57	15°36	13°56	8°58	21°26	T 12
W13	7 55 47	29°57'26	10♉36	11°27	29°39	22°16	7° 1	5°17	24°25	29° 6	12°57	15°33	13°53	9° 5	21°24	W13
T 14	7 59 44	0♒58'21	25°45	13°11	29°R39	23° 0	7°11	5°23	24°28	29° 8	12°56	15°29	13°50	9°11	21°22	T 14
F 15	8 3 41	1°59'15	11♒ 4	14°55	29°37	23°44	7°22	5°30	24°31	29°10	12°55	15°22	13°47	9°18	21°21	F 15
S 16	8 7 37	3° 0'08	26°19	16°38	29°32	24°28	7°32	5°36	24°35	29°12	12°54	15°15	13°44	9°25	21°19	S 16
S 17	8 11 34	4° 0'59	11♓22	18°19	29°25	25°12	7°42	5°43	24°38	29°14	12°54	15° 7	13°40	9°32	21°17	S 17
M18	8 15 30	5° 1'48	26° 3	19°59	29°15	25°56	7°52	5°50	24°41	29°16	12°53	15° 0	13°37	9°38	21°14	M18
T 19	8 19 27	6° 2'36	10♈17	21°36	29° 3	26°40	8° 2	5°56	24°45	29°18	12°52	14°55	13°34	9°45	21°12	T 19
W20	8 23 23	7° 3'23	24° 1	23°11	28°48	27°24	8°12	6° 2	24°48	29°20	12°52	14°53	13°31	9°52	21°10	W20
T 21	8 27 20	8° 4'08	7♉18	24°43	28°30	28° 8	8°22	6° 9	24°51	29°22	12°51	14°D52	13°28	9°58	21° 7	T 21
F 22	8 31 16	9° 4'51	20°11	26°11	28°10	28°52	8°32	6°15	24°55	29°24	12°50	14°52	13°24	10° 5	21° 5	F 22
S 23	8 35 13	10° 5'32	2♊42	27°35	27°48	29°36	8°41	6°21	24°58	29°26	12°50	14°53	13°21	10°12	21° 2	S 23
S 24	8 39 10	11° 6'12	14°58	28°54	27°24	0♈20	8°51	6°28	25° 1	29°28	12°49	14°R54	13°18	10°18	20°59	S 24
M25	8 43 6	12° 6'50	27° 2	0♓ 8	26°57	1° 4	9° 0	6°34	25° 5	29°29	12°49	14°53	13°15	10°25	20°56	M25
T 26	8 47 3	13° 7'27	8♋59	1°14	26°28	1°47	9° 9	6°40	25° 8	29°31	12°48	14°50	13°12	10°32	20°53	T 26
W27	8 50 59	14° 8'02	20°51	2°14	25°58	2°31	9°18	6°46	25°11	29°33	12°48	14°44	13° 9	10°39	20°50	W27
T 28	8 54 56	15° 8'35	2♌42	3° 6	25°26	3°15	9°27	6°52	25°15	29°35	12°47	14°36	13° 5	10°45	20°47	T 28
F 29	8 58 52	16° 9'06	14°33	3°50	24°52	3°58	9°36	6°58	25°18	29°36	12°47	14°25	13° 2	10°52	20°44	F 29
S 30	9 2 49	17° 9'36	26°26	4°24	24°17	4°42	9°45	7° 4	25°22	29°38	12°46	14°13	12°59	10°59	20°41	S 30
S 31	9 6 46	18♒10'04	8♍22	4♓49	23♒41	5♈25	9♐54	7♉10	25♒25	29♐40	12♊46	14♊ 0	12♊56	11♌ 5	20♍37	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s22	22n46	3n58	24s 0	2s 4	10s53	1n54	7s 9	0s39	20s32	0n41	22s57	0n33	14s20	0s43	22s32	1n 1	14n53	7s39	22n49	22n39	22n24	1s 1	4s45
S 2	22 14	19 58	4 34	23 44	2 4	10 33	2 6	6 51	0 38	20 34	0 41	22 57	0 33	14 19	0 43	22 32	1 1	14 53	7 39	22 48	22 38	22 23	1 1	4 45
S 3	22 5	16 22	4 59	23 27	2 4	10 13	2 18	6 33	0 37	20 36	0 41	22 56	0 33	14 18	0 43	22 32	1 1	14 53	7 39	22 47	22 38	22 21	1 2	4 46
M 4	21 56	12 6	5 10	23 7	2 4	9 54	2 30	6 15	0 36	20 38	0 41	22 56	0 33	14 17	0 43	22 32	1 1	14 53	7 38	22 47	22 38	22 20	1 2	4 46
T 5	21 46	7 21	5 8	22 46	2 3	9 35	2 43	5 57	0 35	20 40	0 41	22 56	0 33	14 16	0 43	22 32	1 1	14 53	7 38	22 46	22 37	22 19	1 1	4 46
W 6	21 36	2 15	4 52	22 23	2 2	9 17	2 56	5 39	0 34	20 42	0 41	22 56	0 32	14 14	0 43	22 32	1 1	14 53	7 38	22 46	22 37	22 18	1 1	4 47
T 7	21 26	3s 3	4 23	21 59	2 0	9 0	3 8	5 20	0 34	20 44	0 41	22 56	0 32	14 13	0 43	22 32	1 1	14 53	7 38	22 46	22 36	22 16	1 1	4 47
F 8	21 15	8 21	3 40	21 33	1 57	8 42	3 22	5 2	0 33	20 46	0 41	22 55	0 32	14 12	0 43	22 32	1 1	14 53	7 38	22 46	22 36	22 15	1 1	4 47
S 9	21 4	13 27	2 44	21 5	1 54	8 26	3 35	4 44	0 32	20 47	0 41	22 55	0 32	14 11	0 43	22 32	1 1	14 53	7 38	22 46	22 36	22 14	1 1	4 47
S 10	20 52	18 4	1 38	20 35	1 50	8 10	3 48	4 25	0 31	20 49	0 41	22 55	0 32	14 10	0 43	22 32	1 1	14 54	7 38	22 46	22 35	22 12	1 1	4 48
M11	20 40	21 51	0 23	20 4	1 46	7 54	4 2	4 7	0 30	20 51	0 41	22 55	0 32	14 9	0 43	22 32	1 1	14 54	7 37	22 46	22 35	22 11	1 0	4 48
T 12	20 28	24 23	0s55	19 32	1 41	7 40	4 16	3 49	0 29	20 53	0 41	22 55	0 32	14 8	0 43	22 32	1 1	14 54	7 37	22 46	22 35	22 10	1 0	4 48
W13	20 15	25 18	2 11	18 57	1 36	7 26	4 30	3 30	0 28	20 55	0 41	22 54	0 32	14 7	0 43	22 32	1 1	14 54	7 37	22 46	22 34	22 8	0 59	4 48
T 14	20 2	24 21	3 20	18 22	1 29	7 13	4 44	3 12	0 27	20 57	0 41	22 54	0 32	14 6	0 43	22 32	1 1	14 54	7 37	22 45	22 34	22 7	0 59	4 49
F 15	19 48	21 36	4 14	17 45	1 22	7 0	4 58	2 54	0 26	20 58	0 41	22 54	0 32	14 5	0 43	22 32	1 1	14 54	7 37	22 44	22 33	22 6	0 58	4 49
S 16	19 35	17 21	4 51	17 6	1 14	6 49	5 12	2 35	0 25	21 0	0 41	22 54	0 32	14 4	0 43	22 32	1 1	14 54	7 36	22 44	22 33	22 4	0 58	4 49
S 17	19 20	12 3	5 7	16 27	1 6	6 38	5 26	2 17	0 24	21 2	0 41	22 54	0 32	14 3	0 43	22 32	1 1	14 54	7 36	22 43	22 33	22 3	0 57	4 49
M18	19 6	6 11	5 2	15 47	0 56	6 29	5 40	1 59	0 23	21 3	0 41	22 53	0 32	14 2	0 43	22 32	1 1	14 54	7 36	22 42	22 32	22 2	0 57	4 49
T 19	18 51	0 10	4 38	15 6	0 46	6 20	5 53	1 40	0 22	21 5	0 41	22 53	0 32	14 0	0 43	22 32	1 1	14 54	7 36	22 42	22 32	22 0	0 56	4 50
W20	18 36	5n40	3 59	14 25	0 35	6 13	6 7	1 22	0 21	21 6	0 41	22 53	0 32	13 59	0 43	22 32	1 1	14 54	7 36	22 41	22 32	21 59	0 55	4 50
T 21	18 20	11 3	3 8	13 43	0 24	6 6	6 20	1 4	0 21	21 8	0 41	22 53	0 32	13 58	0 43	22 32	1 1	14 55	7 36	22 41	22 31	21 58	0 54	4 50
F 22	18 4	15 48	2 9	13 1	0 11	6 0	6 33	0 45	0 20	21 9	0 41	22 52	0 32	13 57	0 43	22 32	1 1	14 55	7 35	22 41	22 31	21 56	0 53	4 50
S 23	17 48	19 44	1 5	12 20	0n 2	5 56	6 46	0 27	0 19	21 11	0 41	22 52	0 32	13 56	0 43	22 32	1 1	14 55	7 35	22 41	22 30	21 55	0 53	4 50
S 24	17 31	22 42	0n 0	11 40	0 16	5 53	6 58	0 9	0 18	21 12	0 41	22 52	0 32	13 55	0 43	22 32	1 1	14 55	7 35	22 41	22 30	21 53	0 52	4 51
M25	17 14	24 36	1 5	11 1	0 30	5 50	7 10	0n10	0 17	21 14	0 41	22 52	0 32	13 54	0 43	22 32	1 1	14 55	7 35	22 41	22 30	21 52	0 51	4 51
T 26	16 57	25 19	2 5	10 23	0 45	5 49	7 22	0 28	0 16	21 15	0 41	22 51	0 31	13 52	0 43	22 32	1 1	14 55	7 35	22 41	22 29	21 51	0 50	4 51
W27	16 40	24 53	3 0	9 47	1 1	5 49	7 32	0 46	0 15	21 17	0 41	22 51	0 31	13 51	0 43	22 32	1 1	14 55	7 34	22 40	22 29	21 49	0 49	4 51
T 28	16 22	23 19	3 46	9 14	1 16	5 50	7 42	1 4	0 14	21 18	0 41	22 51	0 31	13 50	0 43	22 32	1 1	14 55	7 34	22 39	22 28	21 48	0 47	4 51
F 29	16 4	20 44	4 23	8 43	1 32	5 52	7 52	1 23	0 14	21 19	0 41	22 51	0 31	13 49	0 43	22 32	1 1	14 56	7 34	22 38	22 28	21 46	0 46	4 51
S 30	15 46	17 16	4 48	8 16	1 48	5 56	8 0	1 41	0 13	21 20	0 41	22 50	0 31	13 48	0 43	22 32	1 1	14 56	7 34	22 37	22 28	21 45	0 45	4 51
S 31	15s27	13n 7	5n 1	7s52	2n 4	6s 0	8n 8	1n59	0s12	21s22	0n41	22s50	0n31	13s47	0s43	22s32	1n 1	14n56	7s34	22n35	22n27	21n44	0s44	4s51

Julian Day Number = 2146574.5, Delta T = 14m40s
Ecliptic obliquity = 23°32'53, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'53, Lahiri = 12°12'54 Julian Calendar 1 Jan. 1165 == Greg. Calendar 8 Jan. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

FEBRUARY 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 10 42	19♒10'31	20♍23	5♓ 4	23°R 5	6♈ 9	10♐ 2	7♑16	25♒29	29♐41	12°R46	13°R48	12♊53	11♌12	20°R34	M 1
T 2	9 14 39	20°10'56	2♎30	5°R 9	22♒27	6°52	10°10	7°22	25°32	29°43	12♊45	13♊37	12°50	11°19	20♍30	T 2
W 3	9 18 35	21°11'20	14°45	5° 4	21°50	7°36	10°19	7°28	25°35	29°45	12°45	13°29	12°46	11°25	20°27	W 3
T 4	9 22 32	22°11'42	27°12	4°49	21°12	8°19	10°27	7°33	25°39	29°46	12°45	13°24	12°43	11°32	20°23	T 4
F 5	9 26 28	23°12'02	9♏54	4°24	20°35	9° 3	10°35	7°39	25°42	29°48	12°44	13°21	12°40	11°39	20°19	F 5
S 6	9 30 25	24°12'22	22°54	3°50	19°58	9°46	10°43	7°45	25°46	29°49	12°44	13°D20	12°37	11°46	20°15	S 6
S 7	9 34 21	25°12'40	6♐15	3° 9	19°22	10°29	10°50	7°50	25°49	29°51	12°44	13°R20	12°34	11°52	20°11	S 7
M 8	9 38 18	26°12'56	20° 1	2°20	18°46	11°12	10°58	7°56	25°53	29°52	12°43	13°20	12°30	11°59	20° 7	M 8
T 9	9 42 14	27°13'11	4♑14	1°26	18°12	11°56	11° 5	8° 1	25°56	29°54	12°43	13°19	12°27	12° 6	20° 3	T 9
W10	9 46 11	28°13'24	18°52	0°28	17°40	12°39	11°13	8° 7	26° 0	29°55	12°43	13°15	12°24	12°12	19°59	W10
T 11	9 50 8	29°13'36	3♒52	29♒27	17° 9	13°22	11°20	8°12	26° 3	29°56	12°43	13° 8	12°21	12°19	19°55	T 11
F 12	9 54 4	0♓13'46	19° 6	28°24	16°40	14° 5	11°27	8°17	26° 7	29°58	12°43	12°59	12°18	12°26	19°51	F 12
S 13	9 58 1	1°13'54	4♓22	27°22	16°12	14°48	11°34	8°22	26°10	29°59	12°43	12°48	12°15	12°33	19°46	S 13
S 14	10 1 57	2°14'00	19°31	26°21	15°47	15°31	11°40	8°28	26°13	0♑ 0	12°42	12°36	12°11	12°39	19°42	S 14
M15	10 5 54	3°14'04	4♈22	25°23	15°24	16°14	11°47	8°33	26°17	0° 2	12°42	12°26	12° 8	12°46	19°38	M15
T 16	10 9 50	4°14'06	18°47	24°30	15° 3	16°57	11°53	8°38	26°20	0° 3	12°42	12°17	12° 5	12°53	19°33	T 16
W17	10 13 47	5°14'05	2♉42	23°41	14°45	17°40	12° 0	8°43	26°24	0° 4	12°42	12°12	12° 2	12°59	19°29	W17
T 18	10 17 43	6°14'03	16° 7	22°57	14°29	18°23	12° 6	8°47	26°27	0° 5	12°D42	12° 8	11°59	13° 6	19°24	T 18
F 19	10 21 40	7°13'58	29° 4	22°19	14°15	19° 6	12°12	8°52	26°31	0° 7	12°42	12° 7	11°55	13°13	19°20	F 19
S 20	10 25 37	8°13'52	11♊37	21°48	14° 4	19°48	12°18	8°57	26°34	0° 8	12°42	12° 7	11°52	13°19	19°15	S 20
S 21	10 29 33	9°13'43	23°52	21°23	13°55	20°31	12°23	9° 2	26°37	0° 9	12°42	12° 7	11°49	13°26	19°11	S 21
M22	10 33 30	10°13'31	5♋54	21° 5	13°48	21°14	12°29	9° 6	26°41	0°10	12°42	12° 5	11°46	13°33	19° 6	M22
T 23	10 37 26	11°13'18	17°48	20°54	13°44	21°57	12°34	9°11	26°44	0°11	12°42	12° 1	11°43	13°40	19° 1	T 23
W24	10 41 23	12°13'02	29°37	20°D48	13°D43	22°39	12°39	9°15	26°47	0°12	12°43	11°55	11°40	13°46	18°57	W24
T 25	10 45 19	13°12'44	11♌27	20°49	13°44	23°22	12°44	9°19	26°51	0°13	12°43	11°45	11°36	13°53	18°52	T 25
F 26	10 49 16	14°12'23	23°19	20°56	13°47	24° 4	12°49	9°24	26°54	0°14	12°43	11°33	11°33	14° 0	18°47	F 26
S 27	10 53 12	15°12'01	5♍16	21° 8	13°53	24°47	12°54	9°28	26°57	0°15	12°43	11°19	11°30	14° 6	18°43	S 27
S 28	10 57 9	16♓11'36	17♍20	21♒26	14♒ 1	25♈29	12♐58	9♑32	27♒ 1	0♑16	12♊43	11♊ 5	11♊27	14♌13	18♍38	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 8	8n26	5n 0	7s32	2n20	6s 5	8n15	2n17	0s11	21s23	0n41	22s50	0n31	13s45	0s43	22s32	1n 1	14n56	7s33	22n34	22n27	21n42	0s43	4s52
T 2	14 49	3 23	4 46	7 16	2 35	6 11	8 21	2 35	0 10	21 24	0 41	22 49	0 31	13 44	0 43	22 32	1 1	14 56	7 33	22 32	22 26	21 41	0 41	4 52
W 3	14 30	1s52	4 19	7 5	2 49	6 19	8 26	2 53	0 9	21 25	0 41	22 49	0 31	13 43	0 43	22 32	1 1	14 56	7 33	22 31	22 26	21 39	0 40	4 52
T 4	14 11	7 7	3 39	6 58	3 2	6 26	8 30	3 11	0 9	21 27	0 41	22 49	0 31	13 42	0 43	22 32	1 1	14 57	7 33	22 31	22 26	21 38	0 38	4 52
F 5	13 51	12 12	2 48	6 56	3 13	6 35	8 33	3 29	0 8	21 28	0 41	22 49	0 31	13 41	0 43	22 32	1 1	14 57	7 33	22 30	22 25	21 36	0 37	4 52
S 6	13 31	16 52	1 46	6 59	3 24	6 44	8 35	3 47	0 7	21 29	0 41	22 48	0 31	13 40	0 43	22 32	1 1	14 57	7 32	22 30	22 25	21 35	0 36	4 52
S 7	13 11	20 50	0 38	7 6	3 32	6 54	8 36	4 4	0 6	21 30	0 41	22 48	0 31	13 38	0 43	22 32	1 1	14 57	7 32	22 30	22 24	21 33	0 34	4 52
M 8	12 50	23 46	0s35	7 17	3 39	7 5	8 36	4 22	0 5	21 31	0 41	22 48	0 31	13 37	0 43	22 32	1 1	14 57	7 32	22 30	22 24	21 32	0 32	4 52
T 9	12 30	25 17	1 48	7 32	3 43	7 16	8 35	4 40	0 5	21 32	0 41	22 47	0 31	13 36	0 43	22 32	1 1	14 57	7 32	22 30	22 24	21 30	0 31	4 52
W10	12 9	25 7	2 56	7 50	3 46	7 27	8 34	4 58	0 4	21 33	0 41	22 47	0 31	13 35	0 43	22 32	1 1	14 58	7 32	22 30	22 23	21 29	0 29	4 52
T 11	11 48	23 9	3 54	8 12	3 46	7 38	8 31	5 15	0 3	21 34	0 41	22 47	0 31	13 34	0 43	22 32	1 1	14 58	7 31	22 29	22 23	21 27	0 28	4 52
F 12	11 27	19 31	4 35	8 35	3 44	7 50	8 28	5 33	0 2	21 35	0 41	22 47	0 31	13 33	0 43	22 31	1 1	14 58	7 31	22 28	22 22	21 26	0 26	4 52
S 13	11 5	14 34	4 57	9 0	3 40	8 2	8 24	5 50	0 1	21 36	0 41	22 46	0 31	13 31	0 43	22 31	1 1	14 58	7 31	22 26	22 22	21 24	0 24	4 52
S 14	10 44	8 44	4 58	9 26	3 34	8 14	8 19	6 8	0 1	21 37	0 41	22 46	0 31	13 30	0 43	22 31	1 1	14 58	7 31	22 25	22 21	21 23	0 22	4 52
M15	10 22	2 32	4 39	9 53	3 26	8 26	8 13	6 25	0n 0	21 37	0 41	22 46	0 31	13 29	0 43	22 31	1 1	14 59	7 30	22 23	22 21	21 21	0 21	4 52
T 16	10 0	3n39	4 2	10 20	3 16	8 38	8 7	6 42	0 1	21 38	0 41	22 45	0 31	13 28	0 43	22 31	1 2	14 59	7 30	22 22	22 21	21 20	0 19	4 52
W17	9 38	9 27	3 12	10 46	3 6	8 50	8 0	6 59	0 2	21 39	0 41	22 45	0 31	13 27	0 43	22 31	1 2	14 59	7 30	22 21	22 20	21 18	0 17	4 52
T 18	9 16	14 37	2 13	11 11	2 54	9 1	7 52	7 16	0 2	21 40	0 41	22 45	0 31	13 26	0 43	22 31	1 2	14 59	7 30	22 21	22 20	21 17	0 15	4 51
F 19	8 54	18 56	1 9	11 36	2 41	9 13	7 44	7 33	0 3	21 41	0 41	22 44	0 31	13 24	0 43	22 31	1 2	14 59	7 30	22 21	22 19	21 15	0 13	4 51
S 20	8 31	22 14	0 3	11 58	2 28	9 24	7 36	7 50	0 4	21 41	0 41	22 44	0 31	13 23	0 43	22 31	1 2	15 0	7 29	22 21	22 19	21 13	0 11	4 51
S 21	8 9	24 26	1n 2	12 19	2 14	9 35	7 27	8 7	0 5	21 42	0 41	22 44	0 31	13 22	0 43	22 31	1 2	15 0	7 29	22 21	22 18	21 12	0 10	4 51
M22	7 46	25 27	2 2	12 39	2 0	9 45	7 18	8 24	0 5	21 43	0 41	22 44	0 30	13 21	0 43	22 31	1 2	15 0	7 29	22 21	22 18	21 10	0 8	4 51
T 23	7 23	25 16	2 56	12 56	1 45	9 55	7 9	8 41	0 6	21 43	0 41	22 43	0 30	13 20	0 43	22 31	1 2	15 0	7 29	22 20	22 18	21 9	0 6	4 51
W24	7 1	23 57	3 43	13 11	1 31	10 5	6 59	8 57	0 7	21 44	0 41	22 43	0 30	13 19	0 43	22 31	1 2	15 1	7 29	22 19	22 17	21 7	0 4	4 51
T 25	6 38	21 34	4 19	13 25	1 17	10 14	6 49	9 14	0 8	21 45	0 41	22 43	0 30	13 17	0 43	22 31	1 2	15 1	7 28	22 18	22 17	21 6	0 2	4 50
F 26	6 15	18 17	4 45	13 36	1 2	10 23	6 39	9 30	0 8	21 45	0 41	22 43	0 30	13 16	0 43	22 31	1 2	15 1	7 28	22 16	22 16	21 4	0n 0	4 50
S 27	5 51	14 14	4 58	13 45	0 49	10 32	6 29	9 47	0 9	21 46	0 41	22 42	0 30	13 15	0 43	22 31	1 2	15 1	7 28	22 14	22 16	21 2	0 2	4 50
S 28	5s28	9n35	4n58	13s52	0n35	10s39	6n18	10n 3	0n10	21s46	0n41	22s42	0n30	13s14	0s43	22s31	1n 2	15n 1	7s28	22n12	22n15	21n 1	0n 4	4s50

Julian Day Number = 2146605.5, Delta T = 14m40s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°05'58, Lahiri = 12°12'58 Julian Calendar 1 Feb. 1165 == Greg. Calendar 8 Feb. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

MARCH 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 1 6	17♓11'10	29♍31	21♒49	14♒11	26♈12	13♐ 3	9♑36	27♒ 4	0♑16	12♊44	10°R51	11♊24	14♌20	18°R33	M 1
T 2	11 5 2	18°10'41	11♎49	22°16	14°23	26°54	13° 7	9°40	27° 7	0°17	12°44	10♊39	11°21	14°27	18♍29	T 2
W 3	11 8 59	19°10'10	24°17	22°48	14°38	27°36	13°11	9°44	27°11	0°18	12°44	10°29	11°17	14°33	18°24	W 3
T 4	11 12 55	20° 9'38	6♏55	23°25	14°54	28°19	13°15	9°48	27°14	0°19	12°44	10°22	11°14	14°40	18°19	T 4
F 5	11 16 52	21° 9'04	19°45	24° 5	15°12	29° 1	13°18	9°51	27°17	0°20	12°45	10°19	11°11	14°47	18°14	F 5
S 6	11 20 48	22° 8'28	2♐49	24°49	15°33	29°43	13°22	9°55	27°20	0°20	12°45	10°17	11° 8	14°53	18°10	S 6
S 7	11 24 45	23° 7'50	16°10	25°37	15°55	0♉25	13°25	9°59	27°24	0°21	12°45	10°17	11° 5	15° 0	18° 5	S 7
M 8	11 28 41	24° 7'10	29°50	26°28	16°19	1° 7	13°28	10° 2	27°27	0°21	12°46	10°17	11° 1	15° 7	18° 0	M 8
T 9	11 32 38	25° 6'29	13♑51	27°22	16°44	1°49	13°31	10° 6	27°30	0°22	12°46	10°16	10°58	15°13	17°55	T 9
W10	11 36 35	26° 5'46	28°12	28°19	17°12	2°31	13°34	10° 9	27°33	0°23	12°47	10°13	10°55	15°20	17°51	W10
T 11	11 40 31	27° 5'01	12♒52	29°19	17°41	3°13	13°36	10°12	27°36	0°23	12°47	10° 7	10°52	15°27	17°46	T 11
F 12	11 44 28	28° 4'14	27°46	0♓21	18°11	3°55	13°39	10°15	27°39	0°24	12°48	9°58	10°49	15°34	17°41	F 12
S 13	11 48 24	29° 3'25	12♓46	1°27	18°43	4°37	13°41	10°18	27°42	0°24	12°48	9°48	10°46	15°40	17°37	S 13
S 14	11 52 21	0♈ 2'34	27°42	2°34	19°16	5°19	13°43	10°21	27°45	0°25	12°49	9°38	10°42	15°47	17°32	S 14
M15	11 56 17	1° 1'41	12♈25	3°44	19°51	6° 1	13°45	10°24	27°48	0°25	12°49	9°28	10°39	15°54	17°28	M15
T 16	12 0 14	2° 0'46	26°47	4°56	20°27	6°43	13°47	10°27	27°51	0°25	12°50	9°19	10°36	16° 0	17°23	T 16
W17	12 4 10	2°59'48	10♉44	6°10	21° 4	7°25	13°48	10°30	27°54	0°26	12°50	9°14	10°33	16° 7	17°19	W17
T 18	12 8 7	3°58'49	24°13	7°27	21°42	8° 6	13°49	10°32	27°57	0°26	12°51	9°11	10°30	16°14	17°14	T 18
F 19	12 12 3	4°57'47	7♊15	8°45	22°21	8°48	13°50	10°35	28° 0	0°26	12°51	9°D10	10°27	16°21	17°10	F 19
S 20	12 16 0	5°56'43	19°54	10° 5	23° 2	9°30	13°51	10°37	28° 3	0°26	12°52	9°10	10°23	16°27	17° 6	S 20
S 21	12 19 57	6°55'37	2♋12	11°27	23°43	10°11	13°52	10°39	28° 6	0°27	12°53	9°R10	10°20	16°34	17° 1	S 21
M22	12 23 53	7°54'28	14°17	12°51	24°26	10°53	13°53	10°42	28° 9	0°27	12°53	9°10	10°17	16°41	16°57	M22
T 23	12 27 50	8°53'17	26°11	14°16	25°10	11°34	13°53	10°44	28°12	0°27	12°54	9° 9	10°14	16°47	16°53	T 23
W24	12 31 46	9°52'04	8♌ 2	15°44	25°54	12°16	13°R53	10°46	28°15	0°27	12°55	9° 5	10°11	16°54	16°49	W24
T 25	12 35 43	10°50'48	19°53	17°13	26°40	12°57	13°53	10°48	28°17	0°27	12°56	8°58	10° 7	17° 1	16°45	T 25
F 26	12 39 39	11°49'31	1♍49	18°44	27°26	13°39	13°53	10°50	28°20	0°R27	12°56	8°50	10° 4	17° 8	16°41	F 26
S 27	12 43 36	12°48'11	13°51	20°16	28°13	14°20	13°52	10°51	28°23	0°27	12°57	8°40	10° 1	17°14	16°37	S 27
S 28	12 47 32	13°46'49	26° 3	21°50	29° 1	15° 1	13°52	10°53	28°25	0°27	12°58	8°30	9°58	17°21	16°33	S 28
M29	12 51 29	14°45'24	8♎25	23°26	29°50	15°43	13°51	10°55	28°28	0°27	12°59	8°20	9°55	17°28	16°29	M29
T 30	12 55 26	15°43'58	20°58	25° 4	0♓39	16°24	13°50	10°56	28°31	0°27	13° 0	8°11	9°52	17°34	16°25	T 30
W31	12 59 22	16♈42'30	3♏43	26♓43	1♓29	17♉ 5	13♐49	10♑58	28♒33	0♑27	13♊ 0	8♊ 4	9♊48	17♌41	16♍22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s 5	4n32	4n44	13s57	0n22	10s47	6n 8	10n19	0n10	21s47	0n41	22s42	0n30	13s13	0s43	22s31	1n 2	15n 2	7s27	22n10	22n15	20n59	0n 6	4s50
T 2	4 42	0s45	4 17	14 1	0 9	10 53	5 57	10 35	0 11	21 47	0 42	22 42	0 30	13 12	0 43	22 31	1 2	15 2	7 27	22 9	22 15	20 58	0 9	4 49
W 3	4 18	6 5	3 37	14 2	0s 3	10 59	5 47	10 51	0 12	21 48	0 42	22 41	0 30	13 11	0 43	22 31	1 2	15 2	7 27	22 7	22 14	20 56	0 11	4 49
T 4	3 55	11 16	2 46	14 1	0 15	11 5	5 36	11 7	0 12	21 48	0 42	22 41	0 30	13 10	0 43	22 31	1 2	15 2	7 27	22 6	22 14	20 54	0 13	4 49
F 5	3 31	16 3	1 46	13 59	0 27	11 10	5 25	11 23	0 13	21 49	0 42	22 41	0 30	13 9	0 43	22 31	1 2	15 3	7 27	22 6	22 13	20 53	0 15	4 49
S 6	3 8	20 10	0 39	13 54	0 38	11 14	5 15	11 38	0 14	21 49	0 42	22 41	0 30	13 7	0 43	22 31	1 2	15 3	7 26	22 6	22 13	20 51	0 17	4 48
S 7	2 44	23 21	0s31	13 48	0 48	11 18	5 4	11 54	0 14	21 50	0 42	22 40	0 30	13 6	0 43	22 31	1 2	15 3	7 26	22 6	22 12	20 49	0 19	4 48
M 8	2 21	25 14	1 42	13 40	0 58	11 21	4 53	12 9	0 15	21 50	0 42	22 40	0 30	13 5	0 43	22 31	1 2	15 3	7 26	22 6	22 12	20 48	0 21	4 48
T 9	1 57	25 36	2 48	13 30	1 8	11 24	4 43	12 24	0 16	21 50	0 42	22 40	0 30	13 4	0 43	22 31	1 2	15 4	7 26	22 5	22 11	20 46	0 23	4 47
W10	1 34	24 17	3 45	13 19	1 17	11 25	4 32	12 40	0 16	21 51	0 42	22 40	0 30	13 3	0 43	22 31	1 2	15 4	7 26	22 5	22 11	20 44	0 25	4 47
T 11	1 10	21 19	4 29	13 6	1 25	11 27	4 22	12 55	0 17	21 51	0 42	22 39	0 30	13 2	0 43	22 31	1 2	15 4	7 25	22 4	22 11	20 43	0 28	4 47
F 12	0 46	16 54	4 55	12 51	1 33	11 27	4 12	13 10	0 18	21 51	0 42	22 39	0 30	13 1	0 43	22 31	1 2	15 4	7 25	22 3	22 10	20 41	0 30	4 46
S 13	0 23	11 26	5 1	12 35	1 41	11 27	4 1	13 25	0 18	21 51	0 42	22 39	0 30	13 0	0 43	22 31	1 2	15 5	7 25	22 1	22 10	20 39	0 32	4 46
S 14	0n 1	5 18	4 47	12 17	1 48	11 27	3 51	13 39	0 19	21 52	0 42	22 39	0 30	12 59	0 43	22 31	1 2	15 5	7 25	22 0	22 9	20 38	0 34	4 46
M15	0 25	1n 2	4 14	11 57	1 54	11 26	3 41	13 54	0 20	21 52	0 42	22 39	0 30	12 58	0 43	22 31	1 2	15 5	7 25	21 58	22 9	20 36	0 36	4 45
T 16	0 48	7 11	3 25	11 36	2 0	11 24	3 31	14 8	0 20	21 52	0 42	22 38	0 30	12 57	0 43	22 31	1 2	15 6	7 24	21 57	22 8	20 34	0 38	4 45
W17	1 12	12 49	2 25	11 14	2 6	11 21	3 22	14 23	0 21	21 52	0 42	22 38	0 30	12 56	0 43	22 31	1 2	15 6	7 24	21 56	22 8	20 33	0 40	4 44
T 18	1 35	17 38	1 19	10 50	2 10	11 18	3 12	14 37	0 21	21 52	0 42	22 38	0 30	12 55	0 43	22 31	1 2	15 6	7 24	21 56	22 7	20 31	0 42	4 44
F 19	1 59	21 27	0 10	10 25	2 15	11 15	3 2	14 51	0 22	21 52	0 42	22 38	0 30	12 54	0 43	22 31	1 2	15 6	7 24	21 55	22 7	20 29	0 44	4 43
S 20	2 22	24 6	0n57	9 58	2 19	11 11	2 53	15 5	0 23	21 52	0 42	22 38	0 30	12 53	0 43	22 31	1 2	15 7	7 23	21 56	22 6	20 27	0 47	4 43
S 21	2 46	25 32	2 0	9 29	2 22	11 6	2 44	15 19	0 23	21 52	0 42	22 38	0 30	12 52	0 43	22 31	1 2	15 7	7 23	21 56	22 6	20 26	0 49	4 43
M22	3 9	25 42	2 56	9 0	2 25	11 0	2 35	15 32	0 24	21 53	0 42	22 37	0 30	12 51	0 43	22 31	1 2	15 7	7 23	21 56	22 6	20 24	0 51	4 42
T 23	3 32	24 40	3 44	8 29	2 27	10 54	2 26	15 46	0 25	21 53	0 42	22 37	0 30	12 50	0 43	22 31	1 2	15 7	7 23	21 55	22 5	20 22	0 53	4 42
W24	3 56	22 33	4 21	7 56	2 29	10 48	2 17	15 59	0 25	21 53	0 42	22 37	0 30	12 49	0 43	22 30	1 2	15 8	7 23	21 55	22 5	20 20	0 55	4 41
T 25	4 19	19 28	4 48	7 23	2 30	10 41	2 8	16 12	0 26	21 53	0 42	22 37	0 30	12 48	0 43	22 30	1 2	15 8	7 23	21 54	22 4	20 19	0 57	4 41
F 26	4 42	15 35	5 2	6 48	2 31	10 33	1 59	16 25	0 26	21 53	0 42	22 37	0 30	12 47	0 43	22 30	1 2	15 8	7 22	21 52	22 4	20 17	0 59	4 40
S 27	5 5	11 2	5 3	6 11	2 31	10 25	1 51	16 38	0 27	21 52	0 42	22 37	0 30	12 46	0 43	22 30	1 2	15 9	7 22	21 51	22 3	20 15	1 1	4 40
S 28	5 28	6 1	4 51	5 34	2 31	10 16	1 43	16 51	0 27	21 52	0 42	22 37	0 29	12 45	0 43	22 30	1 2	15 9	7 22	21 49	22 3	20 13	1 3	4 39
M29	5 50	0 42	4 24	4 55	2 30	10 7	1 35	17 4	0 28	21 52	0 42	22 37	0 29	12 44	0 44	22 30	1 3	15 9	7 22	21 48	22 2	20 12	1 5	4 39
T 30	6 13	4s45	3 45	4 15	2 29	9 57	1 27	17 16	0 29	21 52	0 42	22 36	0 29	12 44	0 44	22 30	1 3	15 9	7 22	21 46	22 2	20 10	1 7	4 38
W31	6n36	10s 6	2n53	3s34	2s27	9s46	1n19	17n29	0n29	21s52	0n42	22s36	0n29	12s43	0s44	22s30	1n 3	15n10	7s21	21n45	22n 1	20n 8	1n 9	4s38

Julian Day Number = 2146633.5, Delta T = 14m40s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'02, Lahiri = 12°13'02 Julian Calendar 1 March 1165 == Greg. Calendar 8 March 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

APRIL 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 19	17♈41'00	16♏40	28♓23	2♓20	17♉46	13°R48	10♑59	28♒36	0°R27	13♊ 1	8°R 0	9♊45	17♌48	16°R18	T 1
F 2	13 7 15	18°39'28	29°48	0♈ 6	3°12	18°27	13♐46	11° 0	28°38	0♑26	13° 2	7♊58	9°42	17°55	16♍15	F 2
S 3	13 11 12	19°37'55	13♐ 8	1°50	4° 4	19° 9	13°44	11° 1	28°41	0°26	13° 3	7°D58	9°39	18° 1	16°11	S 3
S 4	13 15 8	20°36'20	26°40	3°36	4°56	19°50	13°42	11° 2	28°43	0°26	13° 4	7°59	9°36	18° 8	16° 8	S 4
M 5	13 19 5	21°34'43	10♑26	5°23	5°50	20°31	13°40	11° 3	28°46	0°26	13° 5	8° 0	9°32	18°15	16° 5	M 5
T 6	13 23 1	22°33'05	24°24	7°12	6°44	21°12	13°38	11° 4	28°48	0°25	13° 6	8°R 0	9°29	18°21	16° 1	T 6
W 7	13 26 58	23°31'25	8♒36	9° 3	7°38	21°53	13°36	11° 5	28°50	0°25	13° 7	7°59	9°26	18°28	15°58	W 7
T 8	13 30 55	24°29'44	22°59	10°56	8°33	22°33	13°33	11° 5	28°53	0°24	13° 8	7°56	9°23	18°35	15°55	T 8
F 9	13 34 51	25°28'01	7♓29	12°50	9°29	23°14	13°30	11° 6	28°55	0°24	13° 9	7°52	9°20	18°42	15°52	F 9
S 10	13 38 48	26°26'17	22° 3	14°46	10°25	23°55	13°27	11° 6	28°57	0°24	13°10	7°46	9°17	18°48	15°49	S 10
S 11	13 42 44	27°24'30	6♈33	16°44	11°21	24°36	13°24	11° 6	28°59	0°23	13°11	7°40	9°13	18°55	15°47	S 11
M12	13 46 41	28°22'42	20°54	18°43	12°18	25°17	13°21	11° 7	29° 1	0°23	13°12	7°34	9°10	19° 2	15°44	M12
T 13	13 50 37	29°20'53	4♉59	20°44	13°16	25°57	13°17	11° 7	29° 4	0°22	13°13	7°29	9° 7	19° 8	15°41	T 13
W14	13 54 34	0♉19'02	18°44	22°46	14°13	26°38	13°14	11°R 7	29° 6	0°21	13°14	7°26	9° 4	19°15	15°39	W14
T 15	13 58 30	1°17'09	2♊ 7	24°50	15°12	27°19	13°10	11° 7	29° 8	0°21	13°15	7°D24	9° 1	19°22	15°36	T 15
F 16	14 2 27	2°15'14	15° 8	26°56	16°10	27°59	13° 6	11° 6	29°10	0°20	13°16	7°24	8°58	19°29	15°34	F 16
S 17	14 6 24	3°13'17	27°47	29° 2	17° 9	28°40	13° 2	11° 6	29°12	0°20	13°17	7°26	8°54	19°35	15°32	S 17
S 18	14 10 20	4°11'18	10♋ 8	1♉10	18° 8	29°20	12°57	11° 6	29°13	0°19	13°18	7°27	8°51	19°42	15°30	S 18
M19	14 14 17	5° 9'18	22°15	3°19	19° 8	0♊ 1	12°53	11° 5	29°15	0°18	13°20	7°29	8°48	19°49	15°28	M19
T 20	14 18 13	6° 7'16	4♌13	5°28	20° 8	0°41	12°48	11° 5	29°17	0°17	13°21	7°R29	8°45	19°55	15°26	T 20
W21	14 22 10	7° 5'11	16° 6	7°39	21° 8	1°22	12°43	11° 4	29°19	0°17	13°22	7°29	8°42	20° 2	15°24	W21
T 22	14 26 6	8° 3'05	27°59	9°49	22° 9	2° 2	12°38	11° 3	29°21	0°16	13°23	7°27	8°38	20° 9	15°23	T 22
F 23	14 30 3	9° 0'57	9♍56	12° 0	23°10	2°43	12°33	11° 2	29°22	0°15	13°24	7°24	8°35	20°16	15°21	F 23
S 24	14 33 59	9°58'47	22° 2	14°10	24°11	3°23	12°28	11° 2	29°24	0°14	13°26	7°21	8°32	20°22	15°20	S 24
S 25	14 37 56	10°56'36	4♎20	16°20	25°12	4° 3	12°23	11° 0	29°26	0°13	13°27	7°16	8°29	20°29	15°18	S 25
M26	14 41 53	11°54'23	16°52	18°30	26°14	4°43	12°17	10°59	29°27	0°12	13°28	7°12	8°26	20°36	15°17	M26
T 27	14 45 49	12°52'08	29°40	20°38	27°16	5°24	12°11	10°58	29°29	0°11	13°29	7° 9	8°23	20°42	15°16	T 27
W28	14 49 46	13°49'52	12♏43	22°45	28°19	6° 4	12° 6	10°57	29°30	0°10	13°30	7° 6	8°19	20°49	15°15	W28
T 29	14 53 42	14°47'34	26° 1	24°51	29°21	6°44	12° 0	10°55	29°32	0° 9	13°32	7° 4	8°16	20°56	15°14	T 29
F 30	14 57 39	15♉45'15	9♐33	26♉55	0♈24	7♊24	11♐54	10♑54	29♒33	0♑ 8	13♊33	7°D 4	8♊13	21♌ 3	15♍13	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n58	15s 6	1n52	2s51	2s25	9s35	1n11	17n41	0n30	21s52	0n42	22s36	0n29	12s42	0s44	22s30	1n 3	15n10	7s21	21n45	22n 1	20n 6	1n11	4s37
F 2	7 21	19 29	0 44	2 8	2 22	9 24	1 3	17 53	0 30	21 52	0 42	22 36	0 29	12 41	0 44	22 30	1 3	15 10	7 21	21 44	22 0	20 5	1 12	4 36
S 3	7 43	22 56	0s28	1 23	2 19	9 12	0 56	18 5	0 31	21 51	0 42	22 36	0 29	12 40	0 44	22 30	1 3	15 11	7 21	21 44	22 0	20 3	1 14	4 36
S 4	8 5	25 10	1 39	0 37	2 15	8 59	0 49	18 17	0 31	21 51	0 42	22 36	0 29	12 39	0 44	22 30	1 3	15 11	7 21	21 44	21 59	20 1	1 16	4 35
M 5	8 27	25 54	2 46	0n 9	2 10	8 46	0 42	18 28	0 32	21 51	0 42	22 36	0 29	12 38	0 44	22 30	1 3	15 11	7 20	21 45	21 59	19 59	1 18	4 35
T 6	8 49	25 1	3 44	0 57	2 5	8 33	0 35	18 40	0 32	21 51	0 42	22 36	0 29	12 38	0 44	22 30	1 3	15 11	7 20	21 45	21 58	19 57	1 20	4 34
W 7	9 11	22 31	4 29	1 46	2 0	8 19	0 28	18 51	0 33	21 50	0 42	22 36	0 29	12 37	0 44	22 30	1 3	15 12	7 20	21 44	21 58	19 55	1 21	4 33
T 8	9 32	18 37	4 58	2 36	1 54	8 4	0 21	19 2	0 33	21 50	0 42	22 36	0 29	12 36	0 44	22 30	1 3	15 12	7 20	21 44	21 58	19 54	1 23	4 33
F 9	9 54	13 34	5 9	3 27	1 47	7 50	0 15	19 13	0 34	21 50	0 42	22 36	0 29	12 35	0 44	22 30	1 3	15 12	7 20	21 43	21 57	19 52	1 25	4 32
S 10	10 15	7 45	4 59	4 18	1 40	7 34	0 8	19 24	0 34	21 49	0 42	22 36	0 29	12 35	0 44	22 30	1 3	15 13	7 20	21 42	21 57	19 50	1 27	4 32
S 11	10 36	1 32	4 31	5 10	1 33	7 18	0 2	19 34	0 35	21 49	0 42	22 36	0 29	12 34	0 44	22 30	1 3	15 13	7 19	21 41	21 56	19 48	1 28	4 31
M12	10 57	4n43	3 45	6 3	1 25	7 2	0s 4	19 45	0 35	21 49	0 42	22 36	0 29	12 33	0 44	22 30	1 3	15 13	7 19	21 40	21 56	19 46	1 30	4 30
T 13	11 18	10 37	2 47	6 57	1 17	6 46	0 10	19 55	0 36	21 48	0 42	22 36	0 29	12 32	0 44	22 30	1 3	15 13	7 19	21 39	21 55	19 44	1 31	4 30
W14	11 38	15 53	1 40	7 51	1 8	6 29	0 16	20 5	0 36	21 48	0 42	22 36	0 29	12 32	0 44	22 30	1 3	15 14	7 19	21 39	21 55	19 43	1 33	4 29
T 15	11 58	20 13	0 29	8 45	0 59	6 11	0 22	20 15	0 37	21 47	0 42	22 36	0 29	12 31	0 44	22 30	1 3	15 14	7 19	21 39	21 54	19 41	1 35	4 28
F 16	12 19	23 25	0n42	9 39	0 49	5 54	0 27	20 25	0 37	21 47	0 42	22 36	0 29	12 30	0 44	22 30	1 3	15 14	7 19	21 39	21 54	19 39	1 36	4 28
S 17	12 39	25 21	1 49	10 34	0 40	5 36	0 32	20 34	0 38	21 46	0 42	22 36	0 29	12 30	0 44	22 30	1 3	15 15	7 19	21 39	21 53	19 37	1 37	4 27
S 18	12 58	25 58	2 49	11 28	0 30	5 17	0 38	20 43	0 38	21 46	0 42	22 36	0 29	12 29	0 44	22 30	1 3	15 15	7 18	21 39	21 53	19 35	1 39	4 26
M19	13 18	25 20	3 41	12 22	0 19	4 58	0 43	20 53	0 39	21 45	0 42	22 36	0 29	12 28	0 44	22 30	1 3	15 15	7 18	21 39	21 52	19 33	1 40	4 26
T 20	13 37	23 32	4 22	13 16	0 9	4 39	0 48	21 2	0 39	21 45	0 42	22 36	0 29	12 28	0 44	22 30	1 3	15 15	7 18	21 40	21 52	19 31	1 42	4 25
W21	13 56	20 43	4 51	14 9	0n 2	4 20	0 52	21 11	0 40	21 44	0 42	22 36	0 29	12 27	0 44	22 30	1 3	15 16	7 18	21 39	21 51	19 29	1 43	4 24
T 22	14 15	17 3	5 8	15 1	0 12	4 0	0 57	21 19	0 40	21 44	0 42	22 37	0 29	12 27	0 44	22 30	1 3	15 16	7 18	21 39	21 51	19 27	1 44	4 24
F 23	14 34	12 41	5 12	15 52	0 23	3 40	1 2	21 28	0 41	21 43	0 42	22 37	0 29	12 26	0 44	22 30	1 3	15 16	7 18	21 39	21 50	19 25	1 45	4 23
S 24	14 52	7 48	5 3	16 42	0 33	3 20	1 6	21 36	0 41	21 42	0 42	22 37	0 29	12 26	0 44	22 30	1 3	15 17	7 18	21 38	21 50	19 24	1 47	4 22
S 25	15 11	2 32	4 39	17 30	0 44	2 59	1 10	21 44	0 42	21 42	0 42	22 37	0 29	12 25	0 44	22 30	1 3	15 17	7 17	21 37	21 49	19 22	1 48	4 22
M26	15 29	2s57	4 1	18 16	0 54	2 38	1 14	21 52	0 42	21 41	0 42	22 37	0 29	12 25	0 44	22 30	1 3	15 17	7 17	21 37	21 49	19 20	1 49	4 21
T 27	15 46	8 25	3 11	19 1	1 3	2 17	1 18	22 0	0 42	21 40	0 42	22 37	0 28	12 24	0 44	22 30	1 3	15 17	7 17	21 36	21 48	19 18	1 50	4 20
W28	16 4	13 40	2 10	19 43	1 13	1 56	1 22	22 7	0 43	21 40	0 42	22 37	0 28	12 24	0 44	22 30	1 3	15 18	7 17	21 36	21 48	19 16	1 51	4 20
T 29	16 21	18 22	1 0	20 23	1 21	1 34	1 26	22 15	0 43	21 39	0 41	22 38	0 28	12 23	0 45	22 30	1 3	15 18	7 17	21 35	21 47	19 14	1 52	4 19
F 30	16n38	22s13	0s14	21n 1	1n30	1s12	1s29	22n22	0n44	21s38	0n41	22s38	0n28	12s23	0s45	22s30	1n 3	15n18	7s17	21n35	21n47	19n12	1n53	4s18

Julian Day Number = 2146664.5, Delta T = 14m40s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'06, Lahiri = 12°13'06 Julian Calendar 1 Apr. 1165 == Greg. Calendar 8 Apr. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

MAY 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 35	16♉42'55	23♐17	28♉56	1♈27	8♊ 4	11°R48	10°R52	29♒34	0°R 7	13♊34	7♊ 5	8♊10	21♌ 9	15°R12	S 1
S 2	15 5 32	17°40'34	7♑12	0♊56	2°31	8°44	11♐41	10♑51	29°36	0♑ 6	13°36	7° 6	8° 7	21°16	15♍12	S 2
M 3	15 9 28	18°38'12	21°14	2°53	3°34	9°24	11°35	10°49	29°37	0° 5	13°37	7° 7	8° 4	21°23	15°11	M 3
T 4	15 13 25	19°35'49	5♒23	4°48	4°38	10° 4	11°28	10°47	29°38	0° 4	13°38	7° 8	8° 0	21°29	15°11	T 4
W 5	15 17 22	20°33'24	19°36	6°40	5°42	10°44	11°22	10°45	29°39	0° 3	13°40	7°R 9	7°57	21°36	15°11	W 5
T 6	15 21 18	21°30'59	3♓50	8°30	6°46	11°24	11°15	10°43	29°40	0° 2	13°41	7° 8	7°54	21°43	15°11	T 6
F 7	15 25 15	22°28'33	18° 3	10°17	7°50	12° 4	11° 8	10°41	29°41	0° 1	13°42	7° 7	7°51	21°50	15°D11	F 7
S 8	15 29 11	23°26'06	2♈13	12° 1	8°55	12°44	11° 1	10°39	29°42	29♐59	13°44	7° 6	7°48	21°56	15°11	S 8
S 9	15 33 8	24°23'38	16°16	13°42	10° 0	13°24	10°54	10°36	29°43	29°58	13°45	7° 4	7°44	22° 3	15°11	S 9
M10	15 37 4	25°21'09	0♉ 8	15°20	11° 5	14° 4	10°47	10°34	29°44	29°57	13°46	7° 3	7°41	22°10	15°11	M10
T 11	15 41 1	26°18'39	13°48	16°55	12°10	14°43	10°40	10°32	29°45	29°56	13°48	7° 2	7°38	22°16	15°12	T 11
W12	15 44 57	27°16'08	27°12	18°27	13°15	15°23	10°33	10°29	29°46	29°54	13°49	7° 1	7°35	22°23	15°12	W12
T 13	15 48 54	28°13'37	10♊19	19°56	14°21	16° 3	10°26	10°26	29°47	29°53	13°50	7°D 1	7°32	22°30	15°13	T 13
F 14	15 52 51	29°11'04	23° 9	21°22	15°26	16°43	10°18	10°24	29°48	29°52	13°52	7° 1	7°29	22°37	15°14	F 14
S 15	15 56 47	0♊ 8'30	5♋43	22°45	16°32	17°22	10°11	10°21	29°48	29°50	13°53	7° 2	7°25	22°43	15°14	S 15
S 16	16 0 44	1° 5'55	18° 2	24° 5	17°38	18° 2	10° 4	10°18	29°49	29°49	13°54	7° 2	7°22	22°50	15°15	S 16
M17	16 4 40	2° 3'19	0♌ 9	25°21	18°44	18°41	9°56	10°15	29°49	29°48	13°56	7° 3	7°19	22°57	15°17	M17
T 18	16 8 37	3° 0'41	12° 7	26°34	19°51	19°21	9°49	10°12	29°50	29°46	13°57	7° 3	7°16	23° 4	15°18	T 18
W19	16 12 33	3°58'03	24° 0	27°45	20°57	20° 1	9°41	10° 9	29°51	29°45	13°59	7° 4	7°13	23°10	15°19	W19
T 20	16 16 30	4°55'23	5♍54	28°51	22° 3	20°40	9°33	10° 6	29°51	29°44	14° 0	7°R 4	7°10	23°17	15°20	T 20
F 21	16 20 26	5°52'43	17°52	29°54	23°10	21°20	9°26	10° 3	29°51	29°42	14° 1	7° 4	7° 6	23°24	15°22	F 21
S 22	16 24 23	6°50'01	29°59	0♎54	24°17	21°59	9°18	10° 0	29°52	29°41	14° 3	7°D 3	7° 3	23°30	15°24	S 22
S 23	16 28 20	7°47'18	12♎19	1°51	25°24	22°38	9°11	9°56	29°52	29°39	14° 4	7° 4	7° 0	23°37	15°25	S 23
M24	16 32 16	8°44'35	24°56	2°43	26°31	23°18	9° 3	9°53	29°52	29°38	14° 6	7° 4	6°57	23°44	15°27	M24
T 25	16 36 13	9°41'50	7♏52	3°32	27°38	23°57	8°55	9°49	29°52	29°36	14° 7	7° 4	6°54	23°51	15°29	T 25
W26	16 40 9	10°39'05	21° 9	4°17	28°45	24°37	8°48	9°46	29°53	29°35	14° 9	7° 4	6°50	23°57	15°31	W26
T 27	16 44 6	11°36'19	4♐46	4°58	29°53	25°16	8°40	9°42	29°53	29°33	14°10	7°R 4	6°47	24° 4	15°34	T 27
F 28	16 48 2	12°33'33	18°42	5°35	1♑ 0	25°55	8°32	9°39	29°53	29°32	14°11	7° 4	6°44	24°11	15°36	F 28
S 29	16 51 59	13°30'46	2♑53	6° 8	2° 8	26°35	8°25	9°35	29°R53	29°30	14°13	7° 4	6°41	24°17	15°38	S 29
S 30	16 55 55	14°27'59	17°15	6°37	3°16	27°14	8°17	9°31	29°53	29°29	14°14	7° 3	6°38	24°24	15°41	S 30
M31	16 59 52	15♊25'11	1♒43	7♋ 1	4♑24	27♊53	8♐10	9♑27	29♒53	29♐27	14♊16	7♊ 2	6♊35	24♌31	15♍44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n54	24s51	1s28	21n36	1n37	0s50	1s33	22n29	0n44	21s37	0n41	22s38	0n28	12s22	0s45	22s30	1n 3	15n18	7s17	21n35	21n46	19n10	1n54	4s17	S 1
S 2	17 11	25 59	2 38	22 8	1 44	0 28	1 36	22 36	0 45	21 36	0 41	22 38	0 28	12 22	0 45	22 30	1 3	15 19	7 17	21 36	21 46	19 8	1 55	4 17	S 2
M 3	17 27	25 29	3 40	22 39	1 51	0 5	1 39	22 42	0 45	21 36	0 41	22 38	0 28	12 21	0 45	22 30	1 3	15 19	7 16	21 36	21 45	19 6	1 56	4 16	M 3
T 4	17 43	23 21	4 28	23 6	1 57	0n17	1 42	22 49	0 45	21 35	0 41	22 38	0 28	12 21	0 45	22 30	1 3	15 19	7 16	21 36	21 45	19 4	1 56	4 15	T 4
W 5	17 58	19 46	5 1	23 31	2 2	0 40	1 45	22 55	0 46	21 34	0 41	22 39	0 28	12 21	0 45	22 30	1 3	15 20	7 16	21 36	21 44	19 2	1 57	4 15	W 5
T 6	18 13	15 2	5 15	23 53	2 6	1 3	1 48	23 1	0 46	21 33	0 41	22 39	0 28	12 20	0 45	22 30	1 3	15 20	7 16	21 36	21 44	19 0	1 58	4 14	T 6
F 7	18 28	9 29	5 10	24 13	2 9	1 26	1 50	23 7	0 47	21 32	0 41	22 39	0 28	12 20	0 45	22 30	1 3	15 20	7 16	21 36	21 43	18 58	1 59	4 13	F 7
S 8	18 43	3 29	4 46	24 31	2 12	1 49	1 53	23 12	0 47	21 31	0 41	22 39	0 28	12 20	0 45	22 30	1 3	15 20	7 16	21 36	21 43	18 56	1 59	4 12	S 8
S 9	18 57	2n39	4 5	24 46	2 14	2 13	1 55	23 18	0 47	21 31	0 41	22 40	0 28	12 19	0 45	22 30	1 3	15 21	7 16	21 35	21 42	18 54	2 0	4 12	S 9
M10	19 11	8 36	3 10	24 58	2 15	2 36	1 58	23 23	0 48	21 30	0 41	22 40	0 28	12 19	0 45	22 30	1 3	15 21	7 16	21 35	21 42	18 52	2 0	4 11	M10
T 11	19 25	14 4	2 5	25 9	2 15	3 0	2 0	23 28	0 48	21 29	0 41	22 40	0 28	12 19	0 45	22 30	1 3	15 21	7 16	21 35	21 41	18 50	2 1	4 10	T 11
W12	19 38	18 45	0 54	25 17	2 15	3 23	2 2	23 33	0 49	21 28	0 41	22 40	0 28	12 18	0 45	22 30	1 3	15 21	7 15	21 35	21 40	18 48	2 1	4 10	W12
T 13	19 51	22 24	0n18	25 23	2 14	3 47	2 4	23 37	0 49	21 27	0 40	22 40	0 28	12 18	0 45	22 30	1 3	15 22	7 15	21 35	21 40	18 46	2 2	4 9	T 13
F 14	20 4	24 50	1 28	25 27	2 12	4 11	2 5	23 42	0 49	21 26	0 40	22 41	0 28	12 18	0 45	22 30	1 3	15 22	7 15	21 35	21 39	18 44	2 2	4 8	F 14
S 15	20 16	25 58	2 32	25 29	2 9	4 35	2 7	23 46	0 50	21 25	0 40	22 41	0 28	12 18	0 45	22 30	1 3	15 22	7 15	21 35	21 39	18 42	2 2	4 7	S 15
S 16	20 28	25 46	3 28	25 30	2 5	4 59	2 8	23 50	0 50	21 24	0 40	22 41	0 28	12 18	0 45	22 30	1 3	15 22	7 15	21 35	21 38	18 40	2 3	4 7	S 16
M17	20 40	24 20	4 14	25 29	2 1	5 22	2 10	23 54	0 50	21 23	0 40	22 42	0 28	12 17	0 45	22 30	1 3	15 23	7 15	21 35	21 38	18 38	2 3	4 6	M17
T 18	20 51	21 50	4 47	25 26	1 55	5 46	2 11	23 58	0 51	21 22	0 40	22 42	0 27	12 17	0 45	22 29	1 3	15 23	7 15	21 35	21 37	18 36	2 3	4 5	T 18
W19	21 2	18 25	5 9	25 21	1 49	6 10	2 12	24 1	0 51	21 21	0 40	22 42	0 27	12 17	0 45	22 29	1 3	15 23	7 15	21 35	21 37	18 34	2 3	4 5	W19
T 20	21 13	14 17	5 17	25 15	1 43	6 34	2 13	24 4	0 51	21 20	0 40	22 42	0 27	12 17	0 45	22 29	1 3	15 23	7 15	21 35	21 36	18 32	2 3	4 4	T 20
F 21	21 23	9 35	5 11	25 8	1 35	6 58	2 14	24 7	0 52	21 19	0 40	22 43	0 27	12 17	0 45	22 29	1 3	15 23	7 15	21 35	21 36	18 30	2 3	4 3	F 21
S 22	21 33	4 28	4 52	25 0	1 27	7 22	2 15	24 10	0 52	21 18	0 39	22 43	0 27	12 17	0 45	22 29	1 3	15 24	7 15	21 35	21 35	18 28	2 3	4 2	S 22
S 23	21 42	0s55	4 19	24 50	1 18	7 46	2 16	24 13	0 53	21 17	0 39	22 43	0 27	12 17	0 45	22 29	1 3	15 24	7 15	21 35	21 35	18 26	2 3	4 2	S 23
M24	21 52	6 24	3 33	24 39	1 8	8 9	2 16	24 15	0 53	21 16	0 39	22 44	0 27	12 17	0 46	22 29	1 3	15 24	7 15	21 35	21 34	18 23	2 3	4 1	M24
T 25	22 0	11 45	2 35	24 28	0 58	8 33	2 17	24 18	0 53	21 15	0 39	22 44	0 27	12 17	0 46	22 29	1 3	15 24	7 14	21 35	21 34	18 21	2 3	4 0	T 25
W26	22 9	16 44	1 27	24 15	0 47	8 57	2 17	24 20	0 54	21 14	0 39	22 44	0 27	12 17	0 46	22 29	1 3	15 25	7 14	21 35	21 33	18 19	2 3	4 0	W26
T 27	22 17	20 59	0 13	24 2	0 35	9 20	2 17	24 22	0 54	21 13	0 39	22 45	0 27	12 17	0 46	22 29	1 3	15 25	7 14	21 35	21 33	18 17	2 3	3 59	T 27
F 28	22 24	24 8	1s 4	23 48	0 22	9 44	2 17	24 23	0 54	21 11	0 39	22 45	0 27	12 17	0 46	22 29	1 3	15 25	7 14	21 35	21 32	18 15	2 3	3 58	F 28
S 29	22 32	25 49	2 18	23 34	0 9	10 7	2 18	24 25	0 54	21 10	0 39	22 45	0 27	12 17	0 46	22 29	1 3	15 25	7 14	21 35	21 31	18 13	2 2	3 57	S 29
S 30	22 38	25 49	3 25	23 19	0s 4	10 30	2 17	24 26	0 55	21 9	0 38	22 46	0 27	12 17	0 46	22 29	1 3	15 25	7 14	21 35	21 31	18 11	2 2	3 57	S 30
M31	22n45	24s 4	4s18	23n 3	0s19	10n53	2s17	24n27	0n55	21s 8	0n38	22s46	0n27	12s17	0s46	22s29	1n 3	15n26	7s14	21n35	21n30	18n 9	2n 2	3s56	M31

Julian Day Number = 2146694.5, Delta T = 14m40s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'10, Lahiri = 12°13'10 Julian Calendar 1 May 1165 == Greg. Calendar 8 May 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

JUNE 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 3 49	16♊22'23	16♒11	7♋21	5♉31	28♊32	8°R 2	9°R24	29°R52	29°R26	14♊17	7°R 1	6♊31	24♌38	15♍46	T 1
W 2	17 7 45	17°19'35	0♓36	7°36	6°40	29°11	7♐55	9♑20	29♒52	29♐24	14°19	7♊ 1	6°28	24°44	15°49	W 2
T 3	17 11 42	18°16'47	14°53	7°47	7°48	29°51	7°47	9°16	29°52	29°22	14°20	7°D 0	6°25	24°51	15°52	T 3
F 4	17 15 38	19°13'58	28°59	7°54	8°56	0♋30	7°40	9°12	29°52	29°21	14°21	7° 0	6°22	24°58	15°55	F 4
S 5	17 19 35	20°11'10	12♈53	7°R55	10° 5	1° 9	7°32	9° 8	29°51	29°19	14°23	7° 1	6°19	25° 4	15°58	S 5
S 6	17 23 31	21° 8'22	26°34	7°53	11°13	1°48	7°25	9° 4	29°51	29°18	14°24	7° 2	6°16	25°11	16° 2	S 6
M 7	17 27 28	22° 5'33	10♉ 1	7°45	12°22	2°27	7°18	9° 0	29°51	29°16	14°26	7° 3	6°12	25°18	16° 5	M 7
T 8	17 31 24	23° 2'45	23°15	7°34	13°30	3° 6	7°11	8°55	29°50	29°14	14°27	7° 4	6° 9	25°25	16° 8	T 8
W 9	17 35 21	23°59'57	6♊15	7°18	14°39	3°45	7° 4	8°51	29°50	29°13	14°28	7°R 4	6° 6	25°31	16°12	W 9
T 10	17 39 18	24°57'08	19° 3	6°58	15°48	4°24	6°57	8°47	29°49	29°11	14°30	7° 4	6° 3	25°38	16°16	T 10
F 11	17 43 14	25°54'20	1♋38	6°34	16°57	5° 3	6°50	8°43	29°48	29°10	14°31	7° 3	6° 0	25°45	16°19	F 11
S 12	17 47 11	26°51'31	14° 0	6° 7	18° 6	5°42	6°43	8°39	29°48	29° 8	14°33	7° 1	5°56	25°52	16°23	S 12
S 13	17 51 7	27°48'43	26°12	5°37	19°15	6°21	6°36	8°34	29°47	29° 6	14°34	6°58	5°53	25°58	16°27	S 13
M14	17 55 4	28°45'54	8♌15	5° 4	20°24	7° 0	6°30	8°30	29°46	29° 5	14°35	6°54	5°50	26° 5	16°31	M14
T 15	17 59 0	29°43'05	20°12	4°30	21°34	7°39	6°23	8°26	29°46	29° 3	14°37	6°51	5°47	26°12	16°35	T 15
W16	18 2 57	0♋40'15	2♍ 4	3°53	22°43	8°18	6°17	8°21	29°45	29° 1	14°38	6°48	5°44	26°18	16°40	W16
T 17	18 6 54	1°37'26	13°57	3°16	23°53	8°56	6°10	8°17	29°44	29° 0	14°40	6°45	5°41	26°25	16°44	T 17
F 18	18 10 50	2°34'36	25°54	2°39	25° 2	9°35	6° 4	8°13	29°43	28°58	14°41	6°44	5°37	26°32	16°48	F 18
S 19	18 14 47	3°31'46	7♎59	2° 2	26°12	10°14	5°58	8° 8	29°42	28°57	14°42	6°D44	5°34	26°39	16°53	S 19
S 20	18 18 43	4°28'56	20°18	1°25	27°21	10°53	5°52	8° 4	29°41	28°55	14°44	6°45	5°31	26°45	16°58	S 20
M21	18 22 40	5°26'06	2♏54	0°51	28°31	11°32	5°46	7°59	29°40	28°53	14°45	6°46	5°28	26°52	17° 2	M21
T 22	18 26 36	6°23'16	15°51	0°18	29°41	12°10	5°41	7°55	29°39	28°52	14°46	6°48	5°25	26°59	17° 7	T 22
W23	18 30 33	7°20'27	29°13	29♊49	0♊51	12°49	5°35	7°50	29°38	28°50	14°48	6°49	5°22	27° 5	17°12	W23
T 24	18 34 29	8°17'37	13♐ 1	29°23	2° 1	13°28	5°30	7°46	29°36	28°49	14°49	6°R49	5°18	27°12	17°17	T 24
F 25	18 38 26	9°14'48	27°12	29° 1	3°11	14° 7	5°24	7°42	29°35	28°47	14°50	6°48	5°15	27°19	17°22	F 25
S 26	18 42 23	10°11'58	11♑45	28°43	4°21	14°45	5°19	7°37	29°34	28°45	14°52	6°45	5°12	27°26	17°27	S 26
S 27	18 46 19	11° 9'10	26°33	28°29	5°31	15°24	5°14	7°33	29°33	28°44	14°53	6°41	5° 9	27°32	17°32	S 27
M28	18 50 16	12° 6'21	11♒27	28°21	6°42	16° 3	5° 9	7°28	29°31	28°42	14°54	6°36	5° 6	27°39	17°38	M28
T 29	18 54 12	13° 3'34	26°20	28°D18	7°52	16°41	5° 5	7°24	29°30	28°41	14°56	6°31	5° 2	27°46	17°43	T 29
W30	18 58 9	14♋ 0'47	11♓ 4	28♊20	9♊ 2	17♋20	5♐ 0	7♑20	29♒28	28♐39	14♊57	6♊26	4♊59	27♌53	17♍49	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	20s45	4s56	22n47	0s33	11n16	2s17	24n28	0n55	21s 7	0n38	22s46	0n27	12s17	0s46	22s29	1n 3	15n26	7s14	21n35	21n30	18n 7	2n 1	3s55
W 2	22 56	16 12	5 14	22 31	0 49	11 39	2 17	24 28	0 56	21 6	0 38	22 47	0 27	12 17	0 46	22 29	1 3	15 26	7 14	21 35	21 29	18 5	2 1	3 55
T 3	23 2	10 47	5 13	22 15	1 4	12 2	2 16	24 29	0 56	21 5	0 38	22 47	0 26	12 17	0 46	22 29	1 3	15 26	7 14	21 35	21 29	18 2	2 0	3 54
F 4	23 7	4 53	4 53	21 59	1 20	12 24	2 16	24 29	0 56	21 4	0 38	22 47	0 26	12 17	0 46	22 29	1 3	15 26	7 14	21 35	21 28	18 0	2 0	3 53
S 5	23 11	1n10	4 16	21 43	1 36	12 46	2 15	24 29	0 57	21 3	0 37	22 48	0 26	12 17	0 46	22 29	1 3	15 27	7 14	21 35	21 28	17 58	1 59	3 53
S 6	23 15	7 6	3 25	21 27	1 52	13 8	2 14	24 29	0 57	21 2	0 37	22 48	0 26	12 18	0 46	22 29	1 3	15 27	7 14	21 35	21 27	17 56	1 59	3 52
M 7	23 19	12 37	2 24	21 11	2 8	13 30	2 14	24 29	0 57	21 1	0 37	22 48	0 26	12 18	0 46	22 29	1 3	15 27	7 14	21 35	21 27	17 54	1 58	3 51
T 8	23 22	17 27	1 16	20 56	2 25	13 51	2 13	24 28	0 57	21 0	0 37	22 49	0 26	12 18	0 46	22 29	1 3	15 27	7 14	21 35	21 26	17 52	1 57	3 51
W 9	23 25	21 23	0 5	20 41	2 40	14 13	2 12	24 27	0 58	20 59	0 37	22 49	0 26	12 18	0 46	22 29	1 3	15 27	7 14	21 35	21 25	17 49	1 56	3 50
T 10	23 27	24 11	1n 6	20 26	2 56	14 34	2 11	24 27	0 58	20 58	0 37	22 49	0 26	12 18	0 46	22 29	1 3	15 27	7 14	21 35	21 25	17 47	1 56	3 49
F 11	23 29	25 43	2 11	20 12	3 11	14 54	2 9	24 25	0 58	20 57	0 36	22 50	0 26	12 19	0 46	22 29	1 3	15 28	7 14	21 35	21 24	17 45	1 55	3 49
S 12	23 31	25 57	3 10	19 59	3 26	15 15	2 8	24 24	0 59	20 56	0 36	22 50	0 26	12 19	0 46	22 29	1 3	15 28	7 14	21 35	21 24	17 43	1 54	3 48
S 13	23 32	24 54	3 58	19 47	3 39	15 35	2 7	24 23	0 59	20 55	0 36	22 50	0 26	12 19	0 46	22 29	1 3	15 28	7 14	21 34	21 23	17 41	1 53	3 47
M14	23 33	22 43	4 36	19 35	3 52	15 55	2 5	24 21	0 59	20 54	0 36	22 51	0 26	12 20	0 46	22 29	1 3	15 28	7 14	21 34	21 23	17 39	1 52	3 47
T 15	23 33	19 34	5 1	19 25	4 4	16 14	2 4	24 19	0 59	20 53	0 36	22 51	0 26	12 20	0 46	22 29	1 3	15 28	7 14	21 33	21 22	17 36	1 51	3 46
W16	23 33	15 38	5 13	19 16	4 14	16 34	2 2	24 17	1 0	20 52	0 36	22 52	0 26	12 20	0 46	22 29	1 3	15 28	7 14	21 33	21 22	17 34	1 50	3 45
T 17	23 32	11 7	5 11	19 7	4 23	16 53	2 1	24 15	1 0	20 51	0 35	22 52	0 25	12 21	0 46	22 29	1 3	15 29	7 14	21 32	21 21	17 32	1 49	3 45
F 18	23 31	6 10	4 56	19 1	4 31	17 11	1 59	24 12	1 0	20 50	0 35	22 52	0 25	12 21	0 46	22 29	1 3	15 29	7 14	21 32	21 20	17 30	1 48	3 44
S 19	23 30	0 56	4 28	18 55	4 37	17 29	1 57	24 9	1 0	20 50	0 35	22 53	0 25	12 21	0 46	22 29	1 3	15 29	7 14	21 32	21 20	17 28	1 46	3 43
S 20	23 28	4s27	3 48	18 51	4 42	17 47	1 56	24 6	1 1	20 49	0 35	22 53	0 25	12 22	0 47	22 29	1 3	15 29	7 14	21 32	21 19	17 25	1 45	3 43
M21	23 26	9 47	2 55	18 48	4 45	18 4	1 54	24 3	1 1	20 48	0 35	22 53	0 25	12 22	0 47	22 29	1 3	15 29	7 14	21 32	21 19	17 23	1 44	3 42
T 22	23 24	14 52	1 52	18 47	4 46	18 21	1 52	24 0	1 1	20 47	0 34	22 54	0 25	12 23	0 47	22 29	1 3	15 29	7 14	21 33	21 18	17 21	1 43	3 41
W23	23 21	19 24	0 41	18 47	4 46	18 38	1 50	23 57	1 1	20 46	0 34	22 54	0 25	12 23	0 47	22 29	1 3	15 29	7 14	21 33	21 18	17 19	1 41	3 41
T 24	23 17	23 1	0s34	18 49	4 44	18 54	1 48	23 53	1 2	20 45	0 34	22 54	0 25	12 23	0 47	22 29	1 3	15 30	7 14	21 33	21 17	17 16	1 40	3 40
F 25	23 13	25 20	1 49	18 52	4 41	19 10	1 45	23 49	1 2	20 45	0 34	22 55	0 25	12 24	0 47	22 29	1 3	15 30	7 14	21 33	21 16	17 14	1 39	3 40
S 26	23 9	26 0	2 59	18 57	4 36	19 25	1 43	23 45	1 2	20 44	0 34	22 55	0 25	12 24	0 47	22 29	1 3	15 30	7 14	21 32	21 16	17 12	1 37	3 39
S 27	23 5	24 50	3 58	19 3	4 30	19 40	1 41	23 41	1 2	20 43	0 34	22 55	0 25	12 25	0 47	22 29	1 3	15 30	7 14	21 31	21 15	17 10	1 36	3 38
M28	23 0	21 55	4 41	19 10	4 22	19 54	1 39	23 37	1 3	20 43	0 33	22 56	0 24	12 25	0 47	22 29	1 3	15 30	7 14	21 31	21 15	17 7	1 34	3 38
T 29	22 54	17 35	5 6	19 19	4 14	20 8	1 36	23 32	1 3	20 42	0 33	22 56	0 24	12 26	0 47	22 29	1 3	15 30	7 14	21 30	21 14	17 5	1 33	3 37
W30	22n48	12s13	5s 9	19n28	4s 4	20n21	1s34	23n28	1n 3	20s41	0n33	22s56	0n24	12s26	0s47	22s29	1n 3	15n30	7s14	21n29	21n14	17n 3	1n31	3s37

Julian Day Number = 2146725.5, Delta T = 14m39s
Ecliptic obliquity = 23°32'54, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'14, Lahiri = 12°13'15 Julian Calendar 1 June 1165 == Greg. Calendar 8 June 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

JULY 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 5	14♋58'00	25♓32	28♊28	10♊13	17♋58	4°R56	7°R15	29°R27	28°R38	14♊58	6°R23	4♊56	27♌59	17♍54	T 1
F 2	19 6 2	15°55'15	9♈41	28°41	11°24	18°37	4♐52	7♑11	29♒25	28♐36	14°59	6♊22	4°53	28° 6	18° 0	F 2
S 3	19 9 58	16°52'30	23°30	29° 1	12°34	19°16	4°48	7° 7	29°24	28°35	15° 1	6°D22	4°50	28°13	18° 6	S 3
S 4	19 13 55	17°49'47	6♉59	29°26	13°45	19°54	4°44	7° 2	29°22	28°33	15° 2	6°23	4°47	28°19	18°11	S 4
M 5	19 17 52	18°47'04	20°10	29°57	14°56	20°33	4°40	6°58	29°21	28°32	15° 3	6°24	4°43	28°26	18°17	M 5
T 6	19 21 48	19°44'22	3♊ 4	0♋34	16° 7	21°11	4°36	6°54	29°19	28°30	15° 4	6°R25	4°40	28°33	18°23	T 6
W 7	19 25 45	20°41'42	15°45	1°16	17°18	21°50	4°33	6°50	29°17	28°29	15° 5	6°25	4°37	28°40	18°29	W 7
T 8	19 29 41	21°39'02	28°14	2° 4	18°29	22°28	4°30	6°45	29°16	28°27	15° 7	6°23	4°34	28°46	18°35	T 8
F 9	19 33 38	22°36'23	10♋33	2°58	19°40	23° 7	4°27	6°41	29°14	28°26	15° 8	6°18	4°31	28°53	18°41	F 9
S 10	19 37 34	23°33'45	22°44	3°58	20°51	23°45	4°24	6°37	29°12	28°24	15° 9	6°12	4°28	29° 0	18°48	S 10
S 11	19 41 31	24°31'08	4♌48	5° 3	22° 2	24°24	4°21	6°33	29°10	28°23	15°10	6° 4	4°24	29° 7	18°54	S 11
M12	19 45 27	25°28'31	16°45	6°13	23°13	25° 2	4°19	6°29	29° 8	28°21	15°11	5°54	4°21	29°13	19° 0	M12
T 13	19 49 24	26°25'55	28°39	7°28	24°25	25°41	4°16	6°25	29° 7	28°20	15°12	5°45	4°18	29°20	19° 7	T 13
W14	19 53 21	27°23'20	10♍30	8°49	25°36	26°19	4°14	6°21	29° 5	28°19	15°14	5°36	4°15	29°27	19°13	W14
T 15	19 57 17	28°20'46	22°22	10°14	26°48	26°57	4°12	6°17	29° 3	28°17	15°15	5°29	4°12	29°33	19°20	T 15
F 16	20 1 14	29°18'13	4♎17	11°44	27°59	27°36	4°10	6°13	29° 1	28°16	15°16	5°24	4° 8	29°40	19°27	F 16
S 17	20 5 10	0♏15'40	16°21	13°19	29°11	28°14	4° 9	6° 9	28°59	28°15	15°17	5°21	4° 5	29°47	19°33	S 17
S 18	20 9 7	1°13'08	28°36	14°58	0♋22	28°53	4° 7	6° 5	28°57	28°13	15°18	5°D20	4° 2	29°54	19°40	S 18
M19	20 13 3	2°10'37	11♏ 8	16°40	1°34	29°31	4° 6	6° 2	28°55	28°12	15°19	5°20	3°59	0♍ 0	19°47	M19
T 20	20 17 0	3° 8'07	24° 1	18°27	2°46	0♌ 9	4° 5	5°58	28°53	28°11	15°20	5°21	3°56	0° 7	19°54	T 20
W21	20 20 56	4° 5'38	7♐21	20°16	3°58	0°48	4° 4	5°54	28°51	28°10	15°21	5°R21	3°53	0°14	20° 1	W21
T 22	20 24 53	5° 3'09	21° 8	22° 8	5° 9	1°26	4° 4	5°51	28°48	28° 8	15°22	5°20	3°49	0°21	20° 8	T 22
F 23	20 28 50	6° 0'42	5♑24	24° 3	6°21	2° 4	4° 3	5°47	28°46	28° 7	15°23	5°17	3°46	0°27	20°15	F 23
S 24	20 32 46	6°58'16	20° 6	26° 0	7°33	2°43	4° 3	5°44	28°44	28° 6	15°24	5°11	3°43	0°34	20°22	S 24
S 25	20 36 43	7°55'51	5♒ 8	27°58	8°45	3°21	4°D 3	5°40	28°42	28° 5	15°25	5° 4	3°40	0°41	20°29	S 25
M26	20 40 39	8°53'27	20°21	29°58	9°58	3°59	4° 3	5°37	28°40	28° 4	15°26	4°55	3°37	0°47	20°37	M26
T 27	20 44 36	9°51'04	5♓35	1♌59	11°10	4°37	4° 3	5°34	28°38	28° 3	15°27	4°45	3°34	0°54	20°44	T 27
W28	20 48 32	10°48'43	20°38	4° 0	12°22	5°16	4° 4	5°31	28°35	28° 2	15°28	4°37	3°30	1° 1	20°51	W28
T 29	20 52 29	11°46'23	5♈22	6° 2	13°34	5°54	4° 4	5°27	28°33	28° 0	15°28	4°30	3°27	1° 8	20°59	T 29
F 30	20 56 25	12°44'05	19°42	8° 4	14°47	6°32	4° 5	5°24	28°31	27°59	15°29	4°26	3°24	1°14	21° 6	F 30
S 31	21 0 22	13♌41'48	3♉36	10♌ 5	15♋59	7♌11	4♐ 6	5♑21	28♒29	27♐58	15♊30	4♊24	3♊21	1♍21	21♍14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n42	6s16	4s53	19n39	3s53	20n34	1s32	23n23	1n 3	20s41	0n33	22s57	0n24	12s27	0s47	22s29	1n 3	15n30	7s14	21n28	21n13	17n 1	1n29	3s36
F 2	22 36	0 7	4 20	19 51	3 42	20 47	1 29	23 18	1 3	20 40	0 33	22 57	0 24	12 27	0 47	22 29	1 3	15 30	7 14	21 28	21 12	16 58	1 28	3 35
S 3	22 29	5n53	3 32	20 3	3 30	20 59	1 27	23 12	1 4	20 40	0 32	22 57	0 24	12 28	0 47	22 29	1 3	15 31	7 14	21 28	21 12	16 56	1 26	3 35
S 4	22 21	11 30	2 33	20 16	3 17	21 10	1 24	23 7	1 4	20 39	0 32	22 58	0 24	12 29	0 47	22 29	1 3	15 31	7 14	21 28	21 11	16 54	1 24	3 34
M 5	22 13	16 28	1 27	20 30	3 3	21 21	1 21	23 1	1 4	20 39	0 32	22 58	0 24	12 29	0 47	22 29	1 3	15 31	7 14	21 29	21 11	16 52	1 23	3 34
T 6	22 5	20 34	0 18	20 43	2 49	21 31	1 19	22 56	1 4	20 38	0 32	22 58	0 24	12 30	0 47	22 29	1 3	15 31	7 14	21 29	21 10	16 49	1 21	3 33
W 7	21 57	23 37	0n50	20 57	2 35	21 41	1 16	22 50	1 4	20 38	0 31	22 59	0 24	12 30	0 47	22 29	1 3	15 31	7 14	21 29	21 10	16 47	1 19	3 33
T 8	21 48	25 27	1 55	21 11	2 20	21 50	1 13	22 44	1 5	20 37	0 31	22 59	0 24	12 31	0 47	22 29	1 3	15 31	7 14	21 28	21 9	16 45	1 17	3 32
F 9	21 39	26 0	2 53	21 25	2 6	21 58	1 11	22 37	1 5	20 37	0 31	22 59	0 23	12 32	0 47	22 29	1 3	15 31	7 14	21 28	21 8	16 42	1 15	3 31
S 10	21 29	25 17	3 43	21 39	1 51	22 6	1 8	22 31	1 5	20 37	0 31	23 0	0 23	12 32	0 47	22 29	1 3	15 31	7 14	21 26	21 8	16 40	1 13	3 31
S 11	21 19	23 23	4 22	21 51	1 36	22 13	1 5	22 24	1 5	20 36	0 31	23 0	0 23	12 33	0 47	22 29	1 3	15 31	7 14	21 25	21 7	16 38	1 11	3 30
M12	21 9	20 28	4 49	22 3	1 21	22 20	1 2	22 18	1 5	20 36	0 30	23 0	0 23	12 34	0 47	22 29	1 3	15 31	7 15	21 23	21 7	16 35	1 9	3 30
T 13	20 58	16 44	5 3	22 14	1 6	22 26	0 59	22 11	1 6	20 36	0 30	23 1	0 23	12 34	0 47	22 29	1 3	15 31	7 15	21 22	21 6	16 33	1 7	3 29
W14	20 47	12 21	5 5	22 24	0 52	22 32	0 57	22 4	1 6	20 36	0 30	23 1	0 23	12 35	0 47	22 29	1 3	15 31	7 15	21 20	21 5	16 31	1 5	3 29
T 15	20 35	7 31	4 53	22 32	0 38	22 37	0 54	21 56	1 6	20 36	0 30	23 1	0 23	12 36	0 47	22 29	1 3	15 31	7 15	21 19	21 5	16 28	1 3	3 28
F 16	20 23	2 23	4 28	22 38	0 24	22 41	0 51	21 49	1 6	20 35	0 30	23 1	0 23	12 36	0 47	22 29	1 3	15 32	7 15	21 18	21 4	16 26	1 1	3 28
S 17	20 11	2s54	3 51	22 42	0 10	22 45	0 48	21 41	1 6	20 35	0 29	23 2	0 23	12 37	0 47	22 30	1 3	15 32	7 15	21 17	21 4	16 24	0 59	3 27
S 18	19 59	8 10	3 4	22 45	0n 3	22 48	0 45	21 34	1 6	20 35	0 29	23 2	0 23	12 38	0 47	22 30	1 3	15 32	7 15	21 17	21 3	16 21	0 56	3 27
M19	19 46	13 15	2 6	22 45	0 15	22 50	0 42	21 26	1 7	20 35	0 29	23 2	0 22	12 39	0 47	22 30	1 3	15 32	7 15	21 17	21 2	16 19	0 54	3 26
T 20	19 33	17 53	1 0	22 43	0 27	22 52	0 39	21 18	1 7	20 35	0 29	23 3	0 22	12 39	0 47	22 30	1 3	15 32	7 15	21 17	21 2	16 17	0 52	3 26
W21	19 19	21 49	0s11	22 38	0 37	22 53	0 36	21 10	1 7	20 35	0 29	23 3	0 22	12 40	0 47	22 30	1 3	15 32	7 15	21 18	21 1	16 14	0 50	3 25
T 22	19 5	24 38	1 23	22 30	0 48	22 53	0 33	21 1	1 7	20 35	0 28	23 3	0 22	12 41	0 47	22 30	1 3	15 32	7 15	21 17	21 1	16 12	0 47	3 25
F 23	18 51	25 59	2 33	22 20	0 57	22 53	0 30	20 53	1 7	20 36	0 28	23 3	0 22	12 42	0 47	22 30	1 3	15 32	7 15	21 17	21 0	16 10	0 45	3 24
S 24	18 37	25 35	3 35	22 7	1 6	22 52	0 28	20 44	1 7	20 36	0 28	23 4	0 22	12 42	0 47	22 30	1 2	15 32	7 15	21 16	20 59	16 7	0 43	3 24
S 25	18 22	23 19	4 23	21 52	1 14	22 51	0 25	20 35	1 8	20 36	0 28	23 4	0 22	12 43	0 47	22 30	1 2	15 32	7 15	21 14	20 59	16 5	0 40	3 23
M26	18 7	19 24	4 53	21 34	1 21	22 49	0 22	20 27	1 8	20 36	0 28	23 4	0 22	12 44	0 47	22 30	1 2	15 32	7 16	21 13	20 58	16 2	0 38	3 23
T 27	17 52	14 11	5 3	21 13	1 27	22 46	0 19	20 17	1 8	20 36	0 27	23 4	0 22	12 45	0 47	22 30	1 2	15 32	7 16	21 11	20 58	16 0	0 35	3 22
W28	17 36	8 11	4 51	20 50	1 32	22 43	0 16	20 8	1 8	20 37	0 27	23 5	0 21	12 46	0 48	22 30	1 2	15 32	7 16	21 10	20 57	15 58	0 33	3 22
T 29	17 20	1 50	4 20	20 24	1 36	22 38	0 13	19 59	1 8	20 37	0 27	23 5	0 21	12 46	0 48	22 30	1 2	15 32	7 16	21 8	20 56	15 55	0 30	3 21
F 30	17 4	4n27	3 34	19 56	1 40	22 34	0 10	19 49	1 8	20 37	0 27	23 5	0 21	12 47	0 48	22 30	1 2	15 32	7 16	21 8	20 56	15 53	0 28	3 21
S 31	16n47	10n20	2s36	19n27	1n43	22n28	0s 7	19n40	1n 8	20s38	0n27	23s 5	0n21	12s48	0s48	22s30	1n 2	15n32	7s16	21n 7	20n55	15n50	0n25	3s21

Julian Day Number = 2146755.5, Delta T = 14m39s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'18, Lahiri = 12°13'19 Julian Calendar 1 July 1165 == Greg. Calendar 8 July 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

AUGUST 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 4 19	14♌39'34	17♉ 3	12♌ 6	17♋12	7♌49	4♐ 7	5°R18	28°R26	27°R57	15♊31	4°D24	3♊18	1♍28	21♍21	S 1
M 2	21 8 15	15°37'21	0♊ 7	14° 7	18°24	8°27	4° 8	5♑16	28♒24	27♐56	15°32	4°R24	3°14	1°34	21°29	M 2
T 3	21 12 12	16°35'10	12°52	16° 7	19°37	9° 5	4°10	5°13	28°22	27°56	15°33	4♊24	3°11	1°41	21°37	T 3
W 4	21 16 8	17°33'01	25°20	18° 6	20°49	9°43	4°12	5°10	28°19	27°55	15°33	4°22	3° 8	1°48	21°44	W 4
T 5	21 20 5	18°30'53	7♋37	20° 4	22° 2	10°22	4°14	5° 7	28°17	27°54	15°34	4°18	3° 5	1°55	21°52	T 5
F 6	21 24 1	19°28'47	19°44	22° 1	23°15	11° 0	4°16	5° 5	28°15	27°53	15°35	4°11	3° 2	2° 1	22° 0	F 6
S 7	21 27 58	20°26'43	1♌45	23°57	24°28	11°38	4°18	5° 3	28°12	27°52	15°36	4° 1	2°59	2° 8	22° 8	S 7
S 8	21 31 55	21°24'40	13°41	25°51	25°41	12°16	4°21	5° 0	28°10	27°51	15°36	3°49	2°55	2°15	22°16	S 8
M 9	21 35 51	22°22'39	25°35	27°45	26°54	12°55	4°23	4°58	28° 7	27°50	15°37	3°35	2°52	2°22	22°24	M 9
T 10	21 39 48	23°20'40	7♍27	29°37	28° 7	13°33	4°26	4°56	28° 5	27°50	15°38	3°21	2°49	2°28	22°32	T 10
W11	21 43 44	24°18'42	19°18	1♍28	29°20	14°11	4°29	4°54	28° 3	27°49	15°38	3° 8	2°46	2°35	22°40	W11
T 12	21 47 41	25°16'46	1♎12	3°17	0♌33	14°49	4°32	4°51	28° 0	27°48	15°39	2°57	2°43	2°42	22°48	T 12
F 13	21 51 37	26°14'51	13° 9	5° 6	1°46	15°27	4°36	4°50	27°58	27°48	15°39	2°48	2°39	2°48	22°56	F 13
S 14	21 55 34	27°12'58	25°13	6°53	2°59	16° 5	4°39	4°48	27°56	27°47	15°40	2°42	2°36	2°55	23° 4	S 14
S 15	21 59 30	28°11'06	7♏28	8°39	4°13	16°44	4°43	4°46	27°53	27°46	15°40	2°39	2°33	3° 2	23°12	S 15
M16	22 3 27	29° 9'16	19°58	10°23	5°26	17°22	4°47	4°44	27°51	27°46	15°41	2°38	2°30	3° 9	23°20	M16
T 17	22 7 23	0♍ 7'27	2♐46	12° 7	6°39	18° 0	4°51	4°43	27°48	27°45	15°42	2°38	2°27	3°15	23°29	T 17
W18	22 11 20	1° 5'40	15°59	13°49	7°53	18°38	4°55	4°41	27°46	27°45	15°42	2°37	2°24	3°22	23°37	W18
T 19	22 15 17	2° 3'55	29°39	15°30	9° 6	19°16	4°59	4°40	27°44	27°44	15°43	2°36	2°20	3°29	23°45	T 19
F 20	22 19 13	3° 2'11	13♑48	17°10	10°20	19°54	5° 4	4°39	27°41	27°44	15°43	2°32	2°17	3°36	23°53	F 20
S 21	22 23 10	4° 0'28	28°25	18°49	11°33	20°32	5° 9	4°37	27°39	27°43	15°43	2°26	2°14	3°42	24° 2	S 21
S 22	22 27 6	4°58'48	13♒27	20°26	12°47	21°11	5°14	4°36	27°36	27°43	15°44	2°17	2°11	3°49	24°10	S 22
M23	22 31 3	5°57'08	28°43	22° 3	14° 0	21°49	5°19	4°35	27°34	27°43	15°44	2° 6	2° 8	3°56	24°19	M23
T 24	22 34 59	6°55'31	14♓ 5	23°38	15°14	22°27	5°24	4°34	27°32	27°42	15°45	1°55	2° 5	4° 2	24°27	T 24
W25	22 38 56	7°53'56	29°19	25°12	16°28	23° 5	5°29	4°33	27°29	27°42	15°45	1°45	2° 1	4° 9	24°35	W25
T 26	22 42 52	8°52'22	14♈15	26°45	17°42	23°43	5°35	4°33	27°27	27°42	15°45	1°37	1°58	4°16	24°44	T 26
F 27	22 46 49	9°50'51	28°47	28°18	18°55	24°21	5°40	4°32	27°25	27°42	15°46	1°31	1°55	4°23	24°52	F 27
S 28	22 50 46	10°49'22	12♉50	29°49	20° 9	24°59	5°46	4°31	27°22	27°41	15°46	1°28	1°52	4°29	25° 1	S 28
S 29	22 54 42	11°47'55	26°23	1♎18	21°23	25°37	5°52	4°31	27°20	27°41	15°46	1°D27	1°49	4°36	25° 9	S 29
M30	22 58 39	12°46'31	9♊29	2°47	22°37	26°15	5°58	4°31	27°18	27°41	15°46	1°R27	1°45	4°43	25°18	M30
T 31	23 2 35	13♍45'08	22♊13	4♎15	23♌51	26♌53	6♐ 5	4♑30	27♒16	27♐41	15♊46	1♊27	1♊42	4♍49	25♍27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n31	15n33	1s31	18n55	1n45	22n22	0s 4	19n30	1n 8	20s38	0n26	23s 6	0n21	12s49	0s48	22s30	1n 2	15n32	7s16	21n 7	20n55	15n48	0n23	3s20
M 2	16 14	19 54	0 23	18 21	1 46	22 15	0 1	19 20	1 9	20 39	0 26	23 6	0 21	12 50	0 48	22 30	1 2	15 32	7 16	21 7	20 54	15 46	0 20	3 20
T 3	15 56	23 11	0n45	17 46	1 46	22 8	0n 1	19 10	1 9	20 39	0 26	23 6	0 21	12 50	0 48	22 30	1 2	15 32	7 16	21 7	20 53	15 43	0 17	3 19
W 4	15 39	25 16	1 49	17 10	1 46	22 0	0 4	19 0	1 9	20 40	0 26	23 6	0 21	12 51	0 48	22 30	1 2	15 32	7 16	21 7	20 53	15 41	0 15	3 19
T 5	15 21	26 6	2 46	16 32	1 45	21 51	0 7	18 50	1 9	20 40	0 26	23 6	0 21	12 52	0 48	22 30	1 2	15 32	7 16	21 6	20 52	15 38	0 12	3 18
F 6	15 3	25 38	3 35	15 52	1 44	21 42	0 10	18 39	1 9	20 41	0 25	23 7	0 20	12 53	0 48	22 30	1 2	15 32	7 17	21 5	20 52	15 36	0 9	3 18
S 7	14 44	23 59	4 14	15 12	1 42	21 32	0 13	18 29	1 9	20 41	0 25	23 7	0 20	12 54	0 48	22 30	1 2	15 32	7 17	21 3	20 51	15 33	0 7	3 18
S 8	14 26	21 17	4 42	14 31	1 40	21 21	0 15	18 18	1 9	20 42	0 25	23 7	0 20	12 55	0 48	22 30	1 2	15 32	7 17	21 1	20 50	15 31	0 4	3 17
M 9	14 7	17 42	4 57	13 49	1 37	21 10	0 18	18 7	1 9	20 43	0 25	23 7	0 20	12 55	0 48	22 30	1 2	15 32	7 17	20 58	20 50	15 28	0 1	3 17
T 10	13 48	13 26	4 59	13 7	1 33	20 58	0 21	17 57	1 10	20 43	0 25	23 7	0 20	12 56	0 48	22 30	1 2	15 32	7 17	20 55	20 49	15 26	0s 2	3 16
W11	13 29	8 40	4 48	12 24	1 30	20 46	0 23	17 46	1 10	20 44	0 24	23 8	0 20	12 57	0 48	22 30	1 2	15 32	7 17	20 53	20 48	15 24	0 4	3 16
T 12	13 9	3 34	4 25	11 40	1 25	20 33	0 26	17 34	1 10	20 45	0 24	23 8	0 20	12 58	0 48	22 30	1 2	15 32	7 17	20 51	20 48	15 21	0 7	3 16
F 13	12 50	1s42	3 50	10 56	1 21	20 19	0 28	17 23	1 10	20 46	0 24	23 8	0 20	12 59	0 48	22 30	1 2	15 32	7 17	20 49	20 47	15 19	0 10	3 15
S 14	12 30	6 57	3 4	10 12	1 16	20 5	0 31	17 12	1 10	20 46	0 24	23 8	0 20	13 0	0 48	22 30	1 2	15 31	7 17	20 48	20 47	15 16	0 13	3 15
S 15	12 10	12 2	2 9	9 27	1 10	19 50	0 33	17 0	1 10	20 47	0 24	23 8	0 19	13 0	0 48	22 30	1 2	15 31	7 17	20 47	20 46	15 14	0 16	3 14
M16	11 49	16 45	1 6	8 42	1 5	19 35	0 36	16 49	1 10	20 48	0 23	23 8	0 19	13 1	0 48	22 30	1 2	15 31	7 18	20 47	20 45	15 11	0 19	3 14
T 17	11 29	20 49	0s 1	7 57	0 59	19 19	0 38	16 37	1 10	20 49	0 23	23 9	0 19	13 2	0 48	22 30	1 2	15 31	7 18	20 47	20 45	15 9	0 22	3 14
W18	11 8	23 58	1 10	7 12	0 53	19 2	0 41	16 25	1 10	20 50	0 23	23 9	0 19	13 3	0 48	22 30	1 2	15 31	7 18	20 47	20 44	15 6	0 25	3 13
T 19	10 47	25 50	2 17	6 27	0 47	18 45	0 43	16 13	1 10	20 51	0 23	23 9	0 19	13 4	0 48	22 30	1 2	15 31	7 18	20 47	20 43	15 4	0 28	3 13
F 20	10 26	26 8	3 19	5 42	0 40	18 28	0 45	16 1	1 10	20 52	0 23	23 9	0 19	13 5	0 48	22 30	1 1	15 31	7 18	20 46	20 43	15 1	0 31	3 13
S 21	10 5	24 38	4 9	4 57	0 33	18 9	0 47	15 49	1 11	20 53	0 23	23 9	0 19	13 5	0 48	22 30	1 1	15 31	7 18	20 44	20 42	14 59	0 34	3 12
S 22	9 44	21 24	4 44	4 13	0 26	17 51	0 50	15 37	1 11	20 54	0 22	23 9	0 19	13 6	0 48	22 30	1 1	15 31	7 18	20 43	20 42	14 56	0 37	3 12
M23	9 22	16 39	5 0	3 28	0 19	17 32	0 52	15 25	1 11	20 55	0 22	23 10	0 19	13 7	0 48	22 30	1 1	15 31	7 18	20 41	20 41	14 54	0 40	3 12
T 24	9 1	10 48	4 53	2 43	0 12	17 12	0 54	15 12	1 11	20 56	0 22	23 10	0 18	13 8	0 48	22 30	1 1	15 31	7 18	20 38	20 40	14 51	0 43	3 11
W25	8 39	4 21	4 27	1 59	0 5	16 52	0 56	15 0	1 11	20 57	0 22	23 10	0 18	13 9	0 48	22 30	1 1	15 31	7 19	20 36	20 40	14 49	0 46	3 11
T 26	8 17	2n15	3 42	1 15	0s 3	16 31	0 58	14 47	1 11	20 59	0 22	23 10	0 18	13 9	0 48	22 31	1 1	15 31	7 19	20 35	20 39	14 46	0 49	3 11
F 27	7 55	8 33	2 43	0 32	0 10	16 10	1 0	14 35	1 11	21 0	0 21	23 10	0 18	13 10	0 48	22 31	1 1	15 31	7 19	20 34	20 38	14 44	0 52	3 10
S 28	7 32	14 13	1 37	0s12	0 18	15 48	1 2	14 22	1 11	21 1	0 21	23 10	0 18	13 11	0 48	22 31	1 1	15 31	7 19	20 33	20 38	14 41	0 55	3 10
S 29	7 10	19 0	0 27	0 55	0 25	15 26	1 3	14 9	1 11	21 2	0 21	23 10	0 18	13 12	0 48	22 31	1 1	15 30	7 19	20 33	20 37	14 39	0 58	3 10
M30	6 48	22 40	0n42	1 37	0 33	15 4	1 5	13 56	1 11	21 3	0 21	23 11	0 18	13 13	0 48	22 31	1 1	15 30	7 19	20 33	20 36	14 36	1 1	3 9
T 31	6n25	25n 6	1n48	2s19	0s41	14n41	1n 7	13n43	1n11	21s 5	0n21	23s11	0n18	13s13	0s48	22s31	1n 1	15n30	7s19	20n33	20n36	14n34	1s 4	3s 9

Julian Day Number = 2146786.5, Delta T = 14m39s
Ecliptic obliquity = 23°32'55, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'22, Lahiri = 12°13'23 Julian Calendar 1 Aug. 1165 == Greg. Calendar 8 Aug. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

SEPTEMBER 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 6 32	14♍43'48	4♋38	5♎42	25♌ 5	27♌32	6♐11	4°R30	27°R13	27°R41	15♊47	1°R26	1♊39	4♍56	25♍35	W 1
T 2	23 10 28	15°42'31	16°49	7° 7	26°20	28°10	6°18	4°D30	27♒11	27♐41	15°47	1♊22	1°36	5° 3	25°44	T 2
F 3	23 14 25	16°41'15	28°50	8°31	27°34	28°48	6°25	4♑30	27° 9	27°D41	15°47	1°15	1°33	5°10	25°52	F 3
S 4	23 18 21	17°40'02	10♌45	9°55	28°48	29°26	6°32	4°30	27° 7	27°41	15°47	1° 6	1°30	5°16	26° 1	S 4
S 5	23 22 18	18°38'51	22°38	11°17	0♍ 2	0♍ 4	6°39	4°31	27° 4	27°41	15°47	0°55	1°26	5°23	26°10	S 5
M 6	23 26 15	19°37'42	4♍29	12°37	1°17	0°42	6°46	4°31	27° 2	27°41	15°47	0°42	1°23	5°30	26°18	M 6
T 7	23 30 11	20°36'35	16°22	13°57	2°31	1°20	6°53	4°31	27° 0	27°41	15°47	0°28	1°20	5°37	26°27	T 7
W 8	23 34 8	21°35'30	28°17	15°15	3°45	1°58	7° 1	4°32	26°58	27°41	15°47	0°15	1°17	5°43	26°36	W 8
T 9	23 38 4	22°34'27	10♎16	16°32	5° 0	2°36	7° 8	4°33	26°56	27°41	15°R47	0° 5	1°14	5°50	26°44	T 9
F 10	23 42 1	23°33'26	22°20	17°47	6°14	3°14	7°16	4°33	26°54	27°42	15°47	29♉56	1°11	5°57	26°53	F 10
S 11	23 45 57	24°32'27	4♏32	19° 1	7°29	3°53	7°24	4°34	26°52	27°42	15°47	29°50	1° 7	6° 3	27° 2	S 11
S 12	23 49 54	25°31'30	16°53	20°13	8°43	4°31	7°32	4°35	26°50	27°42	15°47	29°47	1° 4	6°10	27°10	S 12
M13	23 53 50	26°30'35	29°27	21°24	9°58	5° 9	7°40	4°36	26°48	27°43	15°47	29°D47	1° 1	6°17	27°19	M13
T 14	23 57 47	27°29'42	12♐17	22°32	11°12	5°47	7°48	4°37	26°46	27°43	15°47	29°47	0°58	6°24	27°28	T 14
W15	0 1 44	28°28'51	25°26	23°39	12°27	6°25	7°57	4°39	26°44	27°43	15°47	29°R48	0°55	6°30	27°36	W15
T 16	0 5 40	29°28'01	8♑59	24°44	13°41	7° 3	8° 5	4°40	26°42	27°44	15°47	29°47	0°51	6°37	27°45	T 16
F 17	0 9 37	0♎27'13	22°57	25°46	14°56	7°41	8°14	4°41	26°40	27°44	15°47	29°45	0°48	6°44	27°54	F 17
S 18	0 13 33	1°26'27	7♒20	26°46	16°11	8°19	8°23	4°43	26°38	27°45	15°46	29°41	0°45	6°50	28° 2	S 18
S 19	0 17 30	2°25'43	22° 6	27°43	17°26	8°57	8°32	4°44	26°36	27°45	15°46	29°34	0°42	6°57	28°11	S 19
M20	0 21 26	3°25'01	7♓ 9	28°37	18°40	9°35	8°41	4°46	26°35	27°46	15°46	29°26	0°39	7° 4	28°20	M20
T 21	0 25 23	4°24'20	22°20	29°27	19°55	10°13	8°50	4°48	26°33	27°46	15°46	29°17	0°36	7°11	28°29	T 21
W22	0 29 19	5°23'41	7♈29	0♏15	21°10	10°51	8°59	4°50	26°31	27°47	15°45	29° 9	0°32	7°17	28°37	W22
T 23	0 33 16	6°23'05	22°26	0°58	22°25	11°30	9° 9	4°52	26°30	27°48	15°45	29° 3	0°29	7°24	28°46	T 23
F 24	0 37 12	7°22'31	7♉ 1	1°37	23°40	12° 8	9°18	4°54	26°28	27°48	15°45	28°59	0°26	7°31	28°54	F 24
S 25	0 41 9	8°21'59	21°10	2°12	24°55	12°46	9°28	4°56	26°26	27°49	15°45	28°57	0°23	7°38	29° 3	S 25
S 26	0 45 6	9°21'29	4♊51	2°41	26°10	13°24	9°37	4°58	26°25	27°50	15°44	28°D57	0°20	7°44	29°12	S 26
M27	0 49 2	10°21'02	18° 4	3° 5	27°24	14° 2	9°47	5° 1	26°23	27°51	15°44	28°58	0°16	7°51	29°20	M27
T 28	0 52 59	11°20'37	0♋53	3°22	28°39	14°40	9°57	5° 3	26°22	27°51	15°43	28°59	0°13	7°58	29°29	T 28
W29	0 56 55	12°20'14	13°20	3°33	29°54	15°18	10° 7	5° 6	26°20	27°52	15°43	28°R59	0°10	8° 4	29°38	W29
T 30	1 0 52	13♎19'54	25♋32	3°R37	1♎10	15♍56	10♐17	5♑ 9	26♒19	27♐53	15♊43	28♉58	0♊ 7	8♍11	29♍46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n 2	26n14	2n46	3s 1	0s49	14n18	1n 9	13n30	1n11	21s 6	0n21	23s11	0n18	13s14	0s48	22s31	1n 1	15n30	7s19	20n32	20n35	14n31	1s 7	3s 9
T 2	5 40	26 3	3 35	3 42	0 56	13 54	1 10	13 17	1 11	21 7	0 20	23 11	0 17	13 15	0 48	22 31	1 1	15 30	7 20	20 32	20 35	14 28	1 11	3 8
F 3	5 17	24 38	4 15	4 23	1 4	13 30	1 12	13 4	1 11	21 9	0 20	23 11	0 17	13 16	0 48	22 31	1 1	15 30	7 20	20 30	20 34	14 26	1 14	3 8
S 4	4 54	22 8	4 42	5 3	1 12	13 5	1 13	12 50	1 11	21 10	0 20	23 11	0 17	13 16	0 48	22 31	1 1	15 30	7 20	20 28	20 33	14 23	1 17	3 8
S 5	4 31	18 43	4 58	5 42	1 20	12 40	1 14	12 37	1 11	21 11	0 20	23 11	0 17	13 17	0 48	22 31	1 1	15 30	7 20	20 26	20 33	14 21	1 20	3 8
M 6	4 7	14 34	5 0	6 21	1 27	12 15	1 16	12 23	1 11	21 13	0 20	23 11	0 17	13 18	0 47	22 31	1 1	15 30	7 20	20 23	20 32	14 18	1 23	3 7
T 7	3 44	9 51	4 50	6 59	1 35	11 49	1 17	12 10	1 11	21 14	0 20	23 11	0 17	13 19	0 47	22 31	1 1	15 30	7 20	20 21	20 31	14 16	1 27	3 7
W 8	3 21	4 45	4 26	7 36	1 42	11 23	1 18	11 56	1 11	21 16	0 19	23 11	0 17	13 19	0 47	22 31	1 1	15 29	7 20	20 18	20 31	14 13	1 30	3 7
T 9	2 58	0s33	3 51	8 13	1 50	10 57	1 19	11 42	1 11	21 17	0 19	23 12	0 17	13 20	0 47	22 31	1 1	15 29	7 20	20 16	20 30	14 10	1 33	3 7
F 10	2 34	5 52	3 5	8 49	1 57	10 31	1 20	11 28	1 11	21 18	0 19	23 12	0 17	13 21	0 47	22 31	1 1	15 29	7 20	20 14	20 29	14 8	1 36	3 6
S 11	2 11	11 3	2 10	9 24	2 4	10 4	1 21	11 15	1 12	21 20	0 19	23 12	0 16	13 21	0 47	22 31	1 1	15 29	7 21	20 13	20 29	14 5	1 39	3 6
S 12	1 47	15 52	1 8	9 58	2 12	9 37	1 22	11 1	1 12	21 21	0 19	23 12	0 16	13 22	0 47	22 31	1 0	15 29	7 21	20 12	20 28	14 3	1 43	3 6
M13	1 24	20 6	0 2	10 31	2 18	9 9	1 23	10 47	1 12	21 23	0 19	23 12	0 16	13 23	0 47	22 31	1 0	15 29	7 21	20 12	20 27	14 0	1 46	3 6
T 14	1 0	23 28	1s 6	11 3	2 25	8 41	1 24	10 32	1 12	21 24	0 19	23 12	0 16	13 23	0 47	22 31	1 0	15 29	7 21	20 12	20 27	13 57	1 49	3 5
W15	0 36	25 41	2 13	11 34	2 32	8 14	1 25	10 18	1 12	21 26	0 18	23 12	0 16	13 24	0 47	22 31	1 0	15 29	7 21	20 12	20 26	13 55	1 52	3 5
T 16	0 13	26 28	3 13	12 4	2 38	7 45	1 25	10 4	1 12	21 27	0 18	23 12	0 16	13 25	0 47	22 31	1 0	15 28	7 21	20 12	20 25	13 52	1 56	3 5
F 17	0s11	25 36	4 5	12 32	2 44	7 17	1 26	9 50	1 12	21 29	0 18	23 12	0 16	13 25	0 47	22 32	1 0	15 28	7 21	20 11	20 25	13 50	1 59	3 5
S 18	0 35	23 4	4 42	12 59	2 49	6 48	1 27	9 36	1 12	21 31	0 18	23 12	0 16	13 26	0 47	22 32	1 0	15 28	7 21	20 10	20 24	13 47	2 2	3 5
S 19	0 58	18 58	5 2	13 25	2 55	6 19	1 27	9 21	1 12	21 32	0 18	23 12	0 16	13 27	0 47	22 32	1 0	15 28	7 21	20 9	20 23	13 44	2 5	3 4
M20	1 22	13 36	5 2	13 49	2 59	5 50	1 27	9 7	1 12	21 34	0 18	23 12	0 15	13 27	0 47	22 32	1 0	15 28	7 22	20 7	20 23	13 42	2 9	3 4
T 21	1 46	7 21	4 41	14 12	3 4	5 21	1 28	8 52	1 12	21 35	0 17	23 12	0 15	13 28	0 47	22 32	1 0	15 28	7 22	20 5	20 22	13 39	2 12	3 4
W22	2 9	0 41	4 0	14 32	3 8	4 52	1 28	8 38	1 12	21 37	0 17	23 12	0 15	13 28	0 47	22 32	1 0	15 28	7 22	20 4	20 21	13 37	2 15	3 4
T 23	2 33	5n56	3 3	14 51	3 11	4 22	1 28	8 23	1 12	21 38	0 17	23 12	0 15	13 29	0 47	22 32	1 0	15 27	7 22	20 2	20 21	13 34	2 19	3 4
F 24	2 56	12 6	1 55	15 7	3 14	3 53	1 28	8 9	1 12	21 40	0 17	23 12	0 15	13 29	0 47	22 32	1 0	15 27	7 22	20 1	20 20	13 31	2 22	3 3
S 25	3 20	17 28	0 42	15 21	3 16	3 23	1 28	7 54	1 12	21 42	0 17	23 12	0 15	13 30	0 47	22 32	1 0	15 27	7 22	20 1	20 19	13 29	2 25	3 3
S 26	3 43	21 43	0n32	15 33	3 17	2 53	1 28	7 39	1 11	21 43	0 17	23 12	0 15	13 30	0 47	22 32	1 0	15 27	7 22	20 1	20 19	13 26	2 28	3 3
M27	4 7	24 41	1 41	15 41	3 18	2 23	1 28	7 25	1 11	21 45	0 17	23 12	0 15	13 31	0 47	22 32	1 0	15 27	7 22	20 1	20 18	13 23	2 32	3 3
T 28	4 30	26 16	2 43	15 47	3 17	1 53	1 28	7 10	1 11	21 46	0 16	23 12	0 15	13 31	0 47	22 32	1 0	15 27	7 22	20 1	20 17	13 21	2 35	3 3
W29	4 54	26 28	3 36	15 49	3 15	1 23	1 28	6 55	1 11	21 48	0 16	23 12	0 15	13 32	0 47	22 32	1 0	15 27	7 23	20 1	20 17	13 18	2 38	3 2
T 30	5s17	25n21	4n18	15s48	3s13	0n53	1n28	6n40	1n11	21s50	0n16	23s12	0n14	13s32	0s47	22s32	1n 0	15n26	7s23	20n 1	20n16	13n15	2s42	3s 2

Julian Day Number = 2146817.5, Delta T = 14m39s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'27, Lahiri = 12°13'27 Julian Calendar 1 Sept. 1165 == Greg. Calendar 8 Sept. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

OCTOBER 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 4 48	14♎19'36	7♌32	3°R33	2♎25	16♍34	10♐28	5♑11	26°R17	27♐54	15°R42	28°R56	0♊ 4	8♍18	29♍55	F 1
S 2	1 8 45	15°19'20	19°26	3♏21	3°40	17°12	10°38	5°14	26♒16	27°55	15♊42	28♉51	0° 1	8°25	0♎ 3	S 2
S 3	1 12 41	16°19'07	1♍18	3° 0	4°55	17°50	10°49	5°17	26°15	27°56	15°41	28°44	29♉57	8°31	0°12	S 3
M 4	1 16 38	17°18'55	13°10	2°30	6°10	18°29	10°59	5°20	26°14	27°57	15°41	28°37	29°54	8°38	0°20	M 4
T 5	1 20 35	18°18'46	25° 5	1°52	7°25	19° 7	11°10	5°23	26°12	27°58	15°40	28°29	29°51	8°45	0°29	T 5
W 6	1 24 31	19°18'39	7♎ 6	1° 4	8°40	19°45	11°21	5°26	26°11	27°59	15°39	28°21	29°48	8°51	0°37	W 6
T 7	1 28 28	20°18'34	19°14	0° 8	9°55	20°23	11°31	5°30	26°10	28° 0	15°39	28°15	29°45	8°58	0°45	T 7
F 8	1 32 24	21°18'31	1♏31	29♎ 5	11°11	21° 1	11°42	5°33	26° 9	28° 1	15°38	28°10	29°42	9° 5	0°54	F 8
S 9	1 36 21	22°18'30	13°56	27°55	12°26	21°39	11°53	5°37	26° 8	28° 3	15°38	28° 7	29°38	9°12	1° 2	S 9
S 10	1 40 17	23°18'30	26°32	26°41	13°41	22°17	12° 5	5°40	26° 7	28° 4	15°37	28°D 6	29°35	9°18	1°11	S 10
M11	1 44 14	24°18'33	9♐20	25°24	14°56	22°55	12°16	5°44	26° 6	28° 5	15°36	28° 6	29°32	9°25	1°19	M11
T 12	1 48 10	25°18'37	22°21	24° 7	16°12	23°33	12°27	5°47	26° 5	28° 6	15°36	28° 8	29°29	9°32	1°27	T 12
W13	1 52 7	26°18'43	5♑38	22°51	17°27	24°11	12°38	5°51	26° 4	28° 7	15°35	28°10	29°26	9°39	1°35	W13
T 14	1 56 4	27°18'51	19°11	21°41	18°42	24°50	12°50	5°55	26° 4	28° 9	15°34	28°11	29°22	9°45	1°44	T 14
F 15	2 0 0	28°19'00	3♒ 3	20°36	19°58	25°28	13° 2	5°59	26° 3	28°10	15°33	28°R11	29°19	9°52	1°52	F 15
S 16	2 3 57	29°19'11	17°13	19°41	21°13	26° 6	13°13	6° 3	26° 2	28°11	15°33	28°10	29°16	9°59	2° 0	S 16
S 17	2 7 53	0♏19'23	1♓39	18°55	22°28	26°44	13°25	6° 7	26° 2	28°13	15°32	28° 7	29°13	10° 5	2° 8	S 17
M18	2 11 50	1°19'37	16°18	18°20	23°44	27°22	13°37	6°11	26° 1	28°14	15°31	28° 4	29°10	10°12	2°16	M18
T 19	2 15 46	2°19'52	1♈ 5	17°57	24°59	28° 0	13°49	6°16	26° 0	28°16	15°30	28° 0	29° 7	10°19	2°24	T 19
W20	2 19 43	3°20'09	15°52	17°D46	26°14	28°38	14° 1	6°20	26° 0	28°17	15°29	27°57	29° 3	10°26	2°32	W20
T 21	2 23 39	4°20'27	0♉31	17°46	27°30	29°16	14°13	6°25	25°59	28°19	15°29	27°54	29° 0	10°32	2°40	T 21
F 22	2 27 36	5°20'47	14°56	17°57	28°45	29°54	14°25	6°29	25°59	28°20	15°28	27°52	28°57	10°39	2°48	F 22
S 23	2 31 33	6°21'09	29° 1	18°18	0♏ 1	0♎32	14°37	6°34	25°59	28°22	15°27	27°D52	28°54	10°46	2°56	S 23
S 24	2 35 29	7°21'33	12♊43	18°49	1°16	1°11	14°49	6°38	25°58	28°23	15°26	27°52	28°51	10°52	3° 4	S 24
M25	2 39 26	8°21'59	26° 0	19°28	2°31	1°49	15° 1	6°43	25°58	28°25	15°25	27°53	28°48	10°59	3°11	M25
T 26	2 43 22	9°22'27	8♋53	20°15	3°47	2°27	15°14	6°48	25°58	28°27	15°24	27°55	28°44	11° 6	3°19	T 26
W27	2 47 19	10°22'57	21°26	21° 8	5° 2	3° 5	15°26	6°53	25°58	28°28	15°23	27°56	28°41	11°13	3°27	W27
T 28	2 51 15	11°23'28	3♌41	22° 8	6°18	3°43	15°39	6°58	25°58	28°30	15°22	27°57	28°38	11°19	3°34	T 28
F 29	2 55 12	12°24'01	15°44	23°13	7°33	4°21	15°51	7° 3	25°D58	28°32	15°21	27°R57	28°35	11°26	3°42	F 29
S 30	2 59 8	13°24'36	27°39	24°22	8°49	4°59	16° 4	7° 8	25°58	28°33	15°20	27°57	28°32	11°33	3°49	S 30
S 31	3 3 5	14♏25'13	9♍31	25♎35	10♏ 4	5♎37	16♐16	7♑13	25♒58	28♐35	15♊19	27♉56	28♉28	11♍40	3♎57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s40	23n 6	4n47	15s42	3s 8	0n22	1n27	6n25	1n11	21s51	0n16	23s12	0n14	13s33	0s47	22s32	1n 0	15n26	7s23	20n 1	20n15	13n13	2s45	3s 2	F 1
S 2	6 4	19 52	5 4	15 33	3 3	0s 8	1 27	6 10	1 11	21 53	0 16	23 12	0 14	13 33	0 47	22 32	1 0	15 26	7 23	20 0	20 15	13 10	2 48	3 2	S 2
S 3	6 27	15 51	5 8	15 19	2 56	0 38	1 26	5 55	1 11	21 55	0 16	23 12	0 14	13 34	0 47	22 32	1 0	15 26	7 23	19 58	20 14	13 7	2 51	3 2	S 3
M 4	6 50	11 14	4 59	15 0	2 47	1 9	1 26	5 40	1 11	21 56	0 16	23 12	0 14	13 34	0 47	22 32	1 0	15 26	7 23	19 56	20 13	13 5	2 55	3 2	M 4
T 5	7 13	6 11	4 36	14 37	2 36	1 39	1 25	5 25	1 11	21 58	0 15	23 12	0 14	13 34	0 47	22 33	0 59	15 26	7 23	19 55	20 13	13 2	2 58	3 2	T 5
W 6	7 36	0 52	4 1	14 8	2 24	2 9	1 25	5 10	1 11	21 59	0 15	23 12	0 14	13 35	0 47	22 33	0 59	15 26	7 23	19 53	20 12	12 59	3 1	3 1	W 6
T 7	7 58	4s33	3 15	13 35	2 9	2 40	1 24	4 55	1 11	22 1	0 15	23 12	0 14	13 35	0 47	22 33	0 59	15 25	7 23	19 52	20 11	12 57	3 4	3 1	T 7
F 8	8 21	9 52	2 20	12 58	1 53	3 10	1 23	4 40	1 11	22 3	0 15	23 12	0 14	13 35	0 47	22 33	0 59	15 25	7 23	19 51	20 11	12 54	3 8	3 1	F 8
S 9	8 43	14 53	1 16	12 16	1 36	3 40	1 22	4 25	1 11	22 4	0 15	23 12	0 14	13 36	0 47	22 33	0 59	15 25	7 24	19 50	20 10	12 51	3 11	3 1	S 9
S 10	9 6	19 20	0 9	11 32	1 17	4 11	1 21	4 10	1 11	22 6	0 15	23 12	0 13	13 36	0 47	22 33	0 59	15 25	7 24	19 50	20 9	12 48	3 14	3 1	S 10
M11	9 28	22 57	1s 1	10 45	0 57	4 41	1 20	3 54	1 11	22 8	0 15	23 12	0 13	13 36	0 47	22 33	0 59	15 25	7 24	19 50	20 9	12 46	3 17	3 1	M11
T 12	9 50	25 28	2 9	9 58	0 37	5 11	1 19	3 39	1 11	22 9	0 14	23 12	0 13	13 37	0 47	22 33	0 59	15 25	7 24	19 50	20 8	12 43	3 20	3 1	T 12
W13	10 12	26 36	3 11	9 10	0 16	5 41	1 18	3 24	1 11	22 11	0 14	23 12	0 13	13 37	0 47	22 33	0 59	15 24	7 24	19 50	20 7	12 40	3 24	3 1	W13
T 14	10 34	26 11	4 4	8 25	0n 5	6 11	1 17	3 9	1 11	22 12	0 14	23 12	0 13	13 37	0 47	22 33	0 59	15 24	7 24	19 51	20 7	12 38	3 27	3 0	T 14
F 15	10 55	24 10	4 44	7 42	0 24	6 40	1 16	2 53	1 11	22 14	0 14	23 12	0 13	13 37	0 46	22 33	0 59	15 24	7 24	19 51	20 6	12 35	3 30	3 0	F 15
S 16	11 17	20 37	5 7	7 4	0 43	7 10	1 15	2 38	1 10	22 16	0 14	23 12	0 13	13 38	0 46	22 33	0 59	15 24	7 24	19 50	20 5	12 32	3 33	3 0	S 16
S 17	11 38	15 48	5 13	6 31	1 1	7 39	1 13	2 23	1 10	22 17	0 14	23 12	0 13	13 38	0 46	22 33	0 59	15 24	7 24	19 50	20 4	12 29	3 36	3 0	S 17
M18	11 59	10 0	4 58	6 3	1 16	8 8	1 12	2 8	1 10	22 19	0 14	23 12	0 13	13 38	0 46	22 33	0 59	15 24	7 24	19 49	20 4	12 27	3 39	3 0	M18
T 19	12 20	3 35	4 23	5 41	1 30	8 37	1 10	1 52	1 10	22 20	0 14	23 11	0 13	13 38	0 46	22 33	0 59	15 24	7 24	19 48	20 3	12 24	3 43	3 0	T 19
W20	12 41	3n 2	3 31	5 26	1 42	9 6	1 9	1 37	1 10	22 22	0 13	23 11	0 12	13 38	0 46	22 33	0 59	15 23	7 24	19 48	20 2	12 21	3 46	3 0	W20
T 21	13 2	9 27	2 25	5 16	1 52	9 35	1 7	1 22	1 10	22 23	0 13	23 11	0 12	13 38	0 46	22 33	0 59	15 23	7 24	19 47	20 2	12 18	3 49	3 0	T 21
F 22	13 22	15 16	1 11	5 12	2 1	10 3	1 6	1 6	1 10	22 25	0 13	23 11	0 12	13 38	0 46	22 33	0 59	15 23	7 25	19 47	20 1	12 16	3 52	3 0	F 22
S 23	13 42	20 8	0n 6	5 14	2 8	10 32	1 4	0 51	1 10	22 26	0 13	23 11	0 12	13 38	0 46	22 34	0 59	15 23	7 25	19 46	20 0	12 13	3 55	3 0	S 23
S 24	14 2	23 46	1 21	5 21	2 13	10 59	1 3	0 36	1 10	22 28	0 13	23 11	0 12	13 39	0 46	22 34	0 59	15 23	7 25	19 47	20 0	12 10	3 58	3 0	S 24
M25	14 21	25 58	2 29	5 33	2 16	11 27	1 1	0 20	1 10	22 29	0 13	23 11	0 12	13 39	0 46	22 34	0 59	15 23	7 25	19 47	19 59	12 7	4 1	3 0	M25
T 26	14 41	26 42	3 27	5 48	2 19	11 55	0 59	0 5	1 9	22 31	0 13	23 10	0 12	13 39	0 46	22 34	0 59	15 23	7 25	19 47	19 58	12 5	4 4	3 0	T 26
W27	15 0	26 1	4 14	6 8	2 20	12 22	0 57	0s10	1 9	22 32	0 13	23 10	0 12	13 39	0 46	22 34	0 59	15 22	7 25	19 47	19 57	12 2	4 7	2 59	W27
T 28	15 19	24 5	4 48	6 30	2 20	12 49	0 55	0 26	1 9	22 34	0 13	23 10	0 12	13 39	0 46	22 34	0 59	15 22	7 25	19 48	19 57	11 59	4 10	2 59	T 28
F 29	15 38	21 6	5 9	6 55	2 19	13 15	0 53	0 41	1 9	22 35	0 12	23 10	0 12	13 39	0 46	22 34	0 59	15 22	7 25	19 48	19 56	11 56	4 13	2 59	F 29
S 30	15 56	17 17	5 16	7 22	2 17	13 41	0 52	0 56	1 9	22 37	0 12	23 10	0 12	13 39	0 46	22 34	0 59	15 22	7 25	19 48	19 55	11 54	4 16	2 59	S 30
S 31	16s14	12n48	5n 9	7s51	2n14	14s 7	0n50	1s11	1n 9	22s38	0n12	23s10	0n11	13s39	0s46	22s34	0n59	15n22	7s25	19n47	19n55	11n51	4s19	2s59	S 31

Julian Day Number = 2146847.5, Delta T = 14m39s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'31, Lahiri = 12°13'31 Julian Calendar 1 Oct. 1165 == Greg. Calendar 8 Oct. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

NOVEMBER 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 7 2	15♏25'52	21♍24	26♎51	11♏20	6♎15	16♐29	7♑18	25♒58	28♐37	15°R18	27°R54	28♉25	11♍46	4♎ 4	M 1
T 2	3 10 58	16°26'32	3♎22	28°10	12°35	6°54	16°42	7°23	25°58	28°39	15♊17	27♉52	28°22	11°53	4°12	T 2
W 3	3 14 55	17°27'14	15°28	29°32	13°51	7°32	16°55	7°29	25°58	28°40	15°16	27°50	28°19	12° 0	4°19	W 3
T 4	3 18 51	18°27'57	27°46	0♏56	15° 6	8°10	17° 8	7°34	25°58	28°42	15°15	27°49	28°16	12° 6	4°26	T 4
F 5	3 22 48	19°28'42	10♏15	2°21	16°22	8°48	17°21	7°39	25°59	28°44	15°14	27°48	28°13	12°13	4°33	F 5
S 6	3 26 44	20°29'29	22°59	3°47	17°37	9°26	17°34	7°45	25°59	28°46	15°13	27°D48	28° 9	12°20	4°40	S 6
S 7	3 30 41	21°30'17	5♐56	5°15	18°53	10° 4	17°47	7°51	25°59	28°48	15°12	27°48	28° 6	12°27	4°47	S 7
M 8	3 34 37	22°31'06	19° 7	6°44	20° 8	10°42	18° 0	7°56	26° 0	28°50	15°11	27°48	28° 3	12°33	4°54	M 8
T 9	3 38 34	23°31'56	2♑31	8°14	21°24	11°20	18°13	8° 2	26° 0	28°52	15°10	27°49	28° 0	12°40	5° 1	T 9
W10	3 42 31	24°32'47	16° 7	9°44	22°39	11°58	18°26	8° 8	26° 1	28°54	15° 9	27°49	27°57	12°47	5° 8	W10
T 11	3 46 27	25°33'40	29°54	11°15	23°55	12°37	18°39	8°13	26° 2	28°56	15° 8	27°49	27°54	12°53	5°15	T 11
F 12	3 50 24	26°34'33	13♒52	12°46	25°10	13°15	18°53	8°19	26° 2	28°58	15° 7	27°49	27°50	13° 0	5°22	F 12
S 13	3 54 20	27°35'27	27°58	14°18	26°26	13°53	19° 6	8°25	26° 3	29° 0	15° 6	27°49	27°47	13° 7	5°28	S 13
S 14	3 58 17	28°36'22	12♓11	15°50	27°41	14°31	19°19	8°31	26° 4	29° 2	15° 4	27°49	27°44	13°14	5°35	S 14
M15	4 2 13	29°37'17	26°28	17°22	28°57	15° 9	19°33	8°37	26° 5	29° 4	15° 3	27°50	27°41	13°20	5°41	M15
T 16	4 6 10	0♐38'14	10♈47	18°55	0♐12	15°47	19°46	8°43	26° 6	29° 6	15° 2	27°50	27°38	13°27	5°48	T 16
W17	4 10 6	1°39'11	25° 4	20°27	1°28	16°25	20° 0	8°49	26° 6	29° 8	15° 1	27°50	27°34	13°34	5°54	W17
T 18	4 14 3	2°40'08	9♉15	22° 0	2°43	17° 3	20°13	8°56	26° 7	29°10	15° 0	27°51	27°31	13°40	6° 0	T 18
F 19	4 18 0	3°41'07	23°16	23°33	3°59	17°41	20°27	9° 2	26° 8	29°12	14°59	27°R51	27°28	13°47	6° 7	F 19
S 20	4 21 56	4°42'07	7♊ 3	25° 6	5°14	18°19	20°40	9° 8	26°10	29°14	14°58	27°51	27°25	13°54	6°13	S 20
S 21	4 25 53	5°43'08	20°33	26°39	6°30	18°57	20°54	9°14	26°11	29°16	14°56	27°50	27°22	14° 1	6°19	S 21
M22	4 29 49	6°44'09	3♋44	28°12	7°45	19°35	21° 7	9°21	26°12	29°18	14°55	27°49	27°19	14° 7	6°25	M22
T 23	4 33 46	7°45'12	16°36	29°46	9° 1	20°14	21°21	9°27	26°13	29°20	14°54	27°48	27°15	14°14	6°31	T 23
W24	4 37 42	8°46'15	29°10	1♐19	10°16	20°52	21°35	9°33	26°14	29°22	14°53	27°46	27°12	14°21	6°36	W24
T 25	4 41 39	9°47'20	11♌28	2°52	11°32	21°30	21°48	9°40	26°16	29°25	14°52	27°45	27° 9	14°28	6°42	T 25
F 26	4 45 36	10°48'25	23°33	4°26	12°47	22° 8	22° 2	9°46	26°17	29°27	14°51	27°44	27° 6	14°34	6°48	F 26
S 27	4 49 32	11°49'31	5♍30	6° 0	14° 3	22°46	22°16	9°53	26°18	29°29	14°49	27°43	27° 3	14°41	6°53	S 27
S 28	4 53 29	12°50'38	17°22	7°33	15°18	23°24	22°29	9°59	26°20	29°31	14°48	27°D43	27° 0	14°48	6°59	S 28
M29	4 57 25	13°51'46	29°15	9° 7	16°34	24° 2	22°43	10° 6	26°21	29°33	14°47	27°44	26°56	14°54	7° 4	M29
T 30	5 1 22	14♐52'55	11♎13	10♐41	17♐49	24♎40	22♐57	10♑13	26♒23	29♐36	14♊46	27♉45	26♉53	15♍ 1	7♎ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s32	7n52	4n50	8s22	2n11	14s33	0n48	1s27	1n 9	22s40	0n12	23s 9	0n11	13s38	0s46	22s34	0n59	15n22	7s25	19n47	19n54	11n48	4s22	2s59
T 2	16 50	2 35	4 18	8 54	2 7	14 58	0 46	1 42	1 9	22 41	0 12	23 9	0 11	13 38	0 46	22 34	0 58	15 22	7 25	19 47	19 53	11 45	4 25	2 59
W 3	17 7	2s50	3 33	9 27	2 2	15 22	0 43	1 57	1 8	22 42	0 12	23 9	0 11	13 38	0 46	22 34	0 58	15 21	7 25	19 46	19 53	11 42	4 28	2 59
T 4	17 24	8 15	2 39	10 1	1 57	15 47	0 41	2 12	1 8	22 44	0 12	23 9	0 11	13 38	0 46	22 34	0 58	15 21	7 25	19 46	19 52	11 40	4 31	2 59
F 5	17 41	13 27	1 36	10 36	1 52	16 11	0 39	2 28	1 8	22 45	0 12	23 9	0 11	13 38	0 46	22 34	0 58	15 21	7 25	19 46	19 51	11 37	4 33	2 59
S 6	17 57	18 10	0 27	11 11	1 46	16 34	0 37	2 43	1 8	22 46	0 11	23 8	0 11	13 38	0 46	22 34	0 58	15 21	7 25	19 46	19 50	11 34	4 36	2 59
S 7	18 13	22 8	0s45	11 46	1 40	16 57	0 35	2 58	1 8	22 48	0 11	23 8	0 11	13 38	0 46	22 34	0 58	15 21	7 25	19 46	19 50	11 31	4 39	2 59
M 8	18 29	25 1	1 55	12 21	1 34	17 20	0 33	3 13	1 8	22 49	0 11	23 8	0 11	13 37	0 46	22 34	0 58	15 21	7 25	19 46	19 49	11 28	4 42	2 59
T 9	18 44	26 32	3 1	12 56	1 28	17 42	0 30	3 28	1 8	22 50	0 11	23 8	0 11	13 37	0 46	22 34	0 58	15 21	7 25	19 46	19 48	11 26	4 45	2 59
W10	19 0	26 30	3 57	13 31	1 21	18 4	0 28	3 43	1 7	22 52	0 11	23 7	0 11	13 37	0 46	22 34	0 58	15 20	7 25	19 46	19 48	11 23	4 47	2 59
T 11	19 14	24 50	4 40	14 6	1 14	18 25	0 26	3 58	1 7	22 53	0 11	23 7	0 11	13 37	0 45	22 34	0 58	15 20	7 25	19 46	19 47	11 20	4 50	2 59
F 12	19 29	21 39	5 8	14 40	1 7	18 46	0 24	4 13	1 7	22 54	0 11	23 7	0 10	13 37	0 45	22 34	0 58	15 20	7 25	19 46	19 46	11 17	4 53	2 59
S 13	19 43	17 11	5 17	15 14	1 0	19 6	0 21	4 28	1 7	22 55	0 11	23 6	0 10	13 36	0 45	22 35	0 58	15 20	7 25	19 46	19 45	11 14	4 55	2 59
S 14	19 56	11 45	5 7	15 48	0 53	19 26	0 19	4 43	1 7	22 56	0 11	23 6	0 10	13 36	0 45	22 35	0 58	15 20	7 25	19 46	19 45	11 12	4 58	2 59
M15	20 10	5 40	4 38	16 21	0 46	19 45	0 17	4 58	1 6	22 58	0 10	23 6	0 10	13 36	0 45	22 35	0 58	15 20	7 25	19 46	19 44	11 9	5 1	2 59
T 16	20 23	0n43	3 52	16 54	0 39	20 3	0 14	5 13	1 6	22 59	0 10	23 6	0 10	13 35	0 45	22 35	0 58	15 20	7 25	19 46	19 43	11 6	5 3	2 59
W17	20 35	7 5	2 52	17 26	0 32	20 21	0 12	5 28	1 6	23 0	0 10	23 5	0 10	13 35	0 45	22 35	0 58	15 20	7 25	19 46	19 43	11 3	5 6	2 59
T 18	20 47	13 2	1 41	17 57	0 25	20 39	0 10	5 43	1 6	23 1	0 10	23 5	0 10	13 35	0 45	22 35	0 58	15 19	7 25	19 46	19 42	11 0	5 8	2 59
F 19	20 59	18 16	0 25	18 27	0 18	20 55	0 7	5 58	1 6	23 2	0 10	23 5	0 10	13 34	0 45	22 35	0 58	15 19	7 25	19 46	19 41	10 57	5 11	2 59
S 20	21 10	22 25	0n51	18 57	0 11	21 12	0 5	6 12	1 5	23 3	0 10	23 4	0 10	13 34	0 45	22 35	0 58	15 19	7 25	19 46	19 40	10 55	5 13	2 59
S 21	21 21	25 15	2 3	19 26	0 4	21 27	0 2	6 27	1 5	23 4	0 10	23 4	0 10	13 33	0 45	22 35	0 58	15 19	7 25	19 46	19 40	10 52	5 16	2 59
M22	21 32	26 36	3 6	19 54	0s 3	21 42	0 0	6 42	1 5	23 5	0 10	23 3	0 10	13 33	0 45	22 35	0 58	15 19	7 25	19 46	19 39	10 49	5 18	2 59
T 23	21 42	26 27	3 58	20 21	0 9	21 56	0s 2	6 56	1 5	23 6	0 10	23 3	0 10	13 32	0 45	22 35	0 58	15 19	7 25	19 46	19 38	10 46	5 20	2 59
W24	21 52	24 57	4 38	20 47	0 16	22 10	0 5	7 11	1 5	23 7	0 10	23 3	0 9	13 32	0 45	22 35	0 58	15 19	7 25	19 45	19 37	10 43	5 23	2 59
T 25	22 1	22 16	5 4	21 12	0 23	22 23	0 7	7 25	1 4	23 8	0 9	23 2	0 9	13 32	0 45	22 35	0 58	15 19	7 25	19 45	19 37	10 40	5 25	2 59
F 26	22 10	18 41	5 15	21 36	0 29	22 36	0 9	7 40	1 4	23 9	0 9	23 2	0 9	13 31	0 45	22 35	0 58	15 19	7 25	19 45	19 36	10 37	5 27	2 59
S 27	22 19	14 23	5 13	21 59	0 36	22 47	0 12	7 54	1 4	23 10	0 9	23 2	0 9	13 31	0 45	22 35	0 58	15 19	7 25	19 44	19 35	10 35	5 29	2 59
S 28	22 27	9 35	4 58	22 22	0 42	22 58	0 14	8 9	1 4	23 11	0 9	23 1	0 9	13 30	0 45	22 35	0 58	15 18	7 25	19 44	19 35	10 32	5 32	3 0
M29	22 34	4 25	4 30	22 43	0 48	23 9	0 17	8 23	1 3	23 12	0 9	23 1	0 9	13 29	0 45	22 35	0 58	15 18	7 25	19 45	19 34	10 29	5 34	3 0
T 30	22s41	0s56	3n50	23s 3	0s54	23s18	0s19	8s37	1n 3	23s13	0n 9	23s 0	0n 9	13s29	0s45	22s35	0n58	15n18	7s25	19n45	19n33	10n26	5s36	3s 0

Julian Day Number = 2146878.5, Delta T = 14m38s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'35, Lahiri = 12°13'36 Julian Calendar 1 Nov. 1165 == Greg. Calendar 8 Nov. 1165

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ASTRODIENST EPHEMERIS for the year 1165
geocentric

DECEMBER 1165 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 5 18	15♐54'04	23♎21	12♐16	19♐ 5	25♎18	23♐11	10♑19	26♒25	29♐38	14°R45	27♉46	26♉50	15♍ 8	7♎14	W 1
T 2	5 9 15	16°55'14	5♏43	13°50	20°20	25°56	23°25	10°26	26°26	29°40	14♊43	27°48	26°47	15°15	7°19	T 2
F 3	5 13 11	17°56'25	18°23	15°25	21°36	26°34	23°38	10°33	26°28	29°42	14°42	27°49	26°44	15°21	7°24	F 3
S 4	5 17 8	18°57'37	1♐21	16°59	22°51	27°12	23°52	10°40	26°30	29°45	14°41	27°R49	26°40	15°28	7°29	S 4
S 5	5 21 5	19°58'49	14°39	18°34	24° 7	27°50	24° 6	10°46	26°31	29°47	14°40	27°48	26°37	15°35	7°34	S 5
M 6	5 25 1	21° 0'01	28°15	20°10	25°22	28°28	24°20	10°53	26°33	29°49	14°39	27°46	26°34	15°41	7°39	M 6
T 7	5 28 58	22° 1'14	12♑ 8	21°45	26°38	29° 6	24°34	11° 0	26°35	29°51	14°38	27°43	26°31	15°48	7°43	T 7
W 8	5 32 54	23° 2'27	26°13	23°21	27°53	29°44	24°48	11° 7	26°37	29°54	14°36	27°39	26°28	15°55	7°48	W 8
T 9	5 36 51	24° 3'40	10♒26	24°57	29° 9	0♏22	25° 2	11°14	26°39	29°56	14°35	27°35	26°25	16° 2	7°52	T 9
F 10	5 40 47	25° 4'52	24°43	26°33	0♑24	1° 0	25°16	11°21	26°41	29°58	14°34	27°32	26°21	16° 8	7°57	F 10
S 11	5 44 44	26° 6'05	9♓ 0	28°10	1°40	1°38	25°29	11°28	26°43	0♑ 0	14°33	27°29	26°18	16°15	8° 1	S 11
S 12	5 48 40	27° 7'17	23°13	29°47	2°55	2°16	25°43	11°35	26°45	0° 3	14°32	27°D28	26°15	16°22	8° 5	S 12
M13	5 52 37	28° 8'29	7♈20	1♑24	4°11	2°54	25°57	11°42	26°47	0° 5	14°31	27°29	26°12	16°28	8° 9	M13
T 14	5 56 34	29° 9'41	21°20	3° 1	5°26	3°32	26°11	11°49	26°49	0° 7	14°29	27°30	26° 9	16°35	8°13	T 14
W15	6 0 30	0♑10'52	5♉11	4°39	6°42	4°10	26°25	11°56	26°52	0° 9	14°28	27°31	26° 5	16°42	8°16	W15
T 16	6 4 27	1°12'03	18°54	6°17	7°57	4°48	26°39	12° 3	26°54	0°12	14°27	27°33	26° 2	16°49	8°20	T 16
F 17	6 8 23	2°13'14	2♊26	7°56	9°12	5°26	26°53	12°10	26°56	0°14	14°26	27°R33	25°59	16°55	8°24	F 17
S 18	6 12 20	3°14'25	15°47	9°35	10°28	6° 4	27° 7	12°17	26°59	0°16	14°25	27°31	25°56	17° 2	8°27	S 18
S 19	6 16 16	4°15'35	28°56	11°14	11°43	6°42	27°20	12°24	27° 1	0°19	14°24	27°28	25°53	17° 9	8°30	S 19
M20	6 20 13	5°16'45	11♋52	12°53	12°59	7°19	27°34	12°31	27° 3	0°21	14°23	27°23	25°50	17°15	8°34	M20
T 21	6 24 9	6°17'55	24°35	14°33	14°14	7°57	27°48	12°38	27° 6	0°23	14°22	27°16	25°46	17°22	8°37	T 21
W22	6 28 6	7°19'05	7♌ 3	16°13	15°29	8°35	28° 2	12°45	27° 8	0°25	14°20	27° 8	25°43	17°29	8°40	W22
T 23	6 32 3	8°20'14	19°19	17°53	16°45	9°13	28°16	12°52	27°11	0°28	14°19	27° 1	25°40	17°36	8°43	T 23
F 24	6 35 59	9°21'24	1♍23	19°33	18° 0	9°51	28°29	12°59	27°13	0°30	14°18	26°54	25°37	17°42	8°45	F 24
S 25	6 39 56	10°22'32	13°19	21°13	19°15	10°29	28°43	13° 6	27°16	0°32	14°17	26°48	25°34	17°49	8°48	S 25
S 26	6 43 52	11°23'41	25°10	22°53	20°31	11° 7	28°57	13°13	27°18	0°34	14°16	26°44	25°31	17°56	8°51	S 26
M27	6 47 49	12°24'50	7♎ 2	24°33	21°46	11°44	29°11	13°20	27°21	0°37	14°15	26°43	25°27	18° 2	8°53	M27
T 28	6 51 45	13°25'58	18°58	26°12	23° 1	12°22	29°24	13°28	27°24	0°39	14°14	26°D43	25°24	18° 9	8°55	T 28
W29	6 55 42	14°27'06	1♏ 4	27°52	24°17	13° 0	29°38	13°35	27°27	0°41	14°13	26°44	25°21	18°16	8°58	W29
T 30	6 59 38	15°28'14	13°25	29°30	25°32	13°38	29°52	13°42	27°29	0°43	14°12	26°45	25°18	18°23	9° 0	T 30
F 31	7 3 35	16♑29'21	26♏ 6	1♒ 7	26♑47	14♏15	0♑ 5	13♑49	27♒32	0♑45	14♊11	26°R46	25♉15	18♍29	9♎ 2	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s48	6s21	2n59	23s21	1s 0	23s27	0s21	8s51	1n 3	23s14	0n 9	23s 0	0n 9	13s28	0s45	22s35	0n58	15n18	7s25	19n45	19n32	10n23	5s38	3s 0
T 2	22 54	11 37	1 59	23 39	1 6	23 35	0 24	9 6	1 2	23 14	0 9	22 59	0 9	13 28	0 45	22 35	0 58	15 18	7 25	19 46	19 32	10 20	5 40	3 0
F 3	23 0	16 33	0 52	23 55	1 11	23 43	0 26	9 20	1 2	23 15	0 9	22 59	0 9	13 27	0 45	22 35	0 58	15 18	7 25	19 46	19 31	10 17	5 42	3 0
S 4	23 5	20 50	0s19	24 11	1 16	23 49	0 28	9 34	1 2	23 16	0 9	22 58	0 9	13 26	0 45	22 35	0 58	15 18	7 25	19 46	19 30	10 14	5 44	3 0
S 5	23 10	24 10	1 31	24 24	1 22	23 55	0 30	9 48	1 2	23 17	0 8	22 58	0 9	13 26	0 45	22 35	0 58	15 18	7 25	19 46	19 29	10 11	5 46	3 0
M 6	23 15	26 12	2 40	24 37	1 26	24 1	0 33	10 1	1 1	23 17	0 8	22 58	0 8	13 25	0 45	22 35	0 58	15 18	7 25	19 45	19 29	10 9	5 48	3 0
T 7	23 18	26 38	3 40	24 48	1 31	24 5	0 35	10 15	1 1	23 18	0 8	22 57	0 8	13 24	0 45	22 35	0 58	15 18	7 24	19 44	19 28	10 6	5 50	3 0
W 8	23 22	25 23	4 27	24 58	1 36	24 9	0 37	10 29	1 1	23 19	0 8	22 57	0 8	13 24	0 45	22 35	0 58	15 18	7 24	19 44	19 27	10 3	5 52	3 0
T 9	23 25	22 30	4 59	25 7	1 40	24 12	0 39	10 43	1 0	23 19	0 8	22 56	0 8	13 23	0 44	22 35	0 58	15 18	7 24	19 43	19 26	10 0	5 54	3 0
F 10	23 27	18 15	5 13	25 14	1 44	24 14	0 41	10 56	1 0	23 20	0 8	22 56	0 8	13 22	0 44	22 35	0 58	15 18	7 24	19 42	19 26	9 57	5 55	3 0
S 11	23 29	12 58	5 7	25 20	1 48	24 16	0 44	11 10	1 0	23 20	0 8	22 55	0 8	13 22	0 44	22 35	0 58	15 18	7 24	19 41	19 25	9 54	5 57	3 0
S 12	23 31	7 1	4 42	25 24	1 51	24 17	0 46	11 23	0 59	23 21	0 8	22 55	0 8	13 21	0 44	22 35	0 58	15 18	7 24	19 41	19 24	9 51	5 59	3 0
M13	23 32	0 45	4 1	25 27	1 54	24 17	0 48	11 36	0 59	23 22	0 8	22 54	0 8	13 20	0 44	22 35	0 58	15 18	7 24	19 41	19 23	9 48	6 0	3 0
T 14	23 33	5n30	3 5	25 28	1 57	24 16	0 50	11 50	0 59	23 22	0 8	22 53	0 8	13 19	0 44	22 35	0 58	15 17	7 24	19 41	19 23	9 45	6 2	3 1
W15	23 33	11 26	1 59	25 27	2 0	24 14	0 52	12 3	0 58	23 23	0 7	22 53	0 8	13 19	0 44	22 35	0 58	15 17	7 24	19 42	19 22	9 42	6 4	3 1
T 16	23 33	16 46	0 47	25 25	2 2	24 12	0 54	12 16	0 58	23 23	0 7	22 52	0 8	13 18	0 44	22 35	0 58	15 17	7 24	19 42	19 21	9 39	6 5	3 1
F 17	23 32	21 11	0n27	25 22	2 4	24 9	0 56	12 29	0 58	23 23	0 7	22 52	0 8	13 17	0 44	22 35	0 58	15 17	7 24	19 42	19 20	9 37	6 7	3 1
S 18	23 31	24 24	1 38	25 17	2 5	24 5	0 57	12 42	0 57	23 24	0 7	22 51	0 8	13 16	0 44	22 35	0 58	15 17	7 24	19 42	19 20	9 34	6 8	3 1
S 19	23 29	26 15	2 42	25 10	2 6	24 1	0 59	12 55	0 57	23 24	0 7	22 51	0 8	13 15	0 44	22 35	0 58	15 17	7 23	19 41	19 19	9 31	6 9	3 1
M20	23 27	26 37	3 37	25 1	2 7	23 56	1 1	13 8	0 57	23 25	0 7	22 50	0 7	13 14	0 44	22 35	0 58	15 17	7 23	19 40	19 18	9 28	6 11	3 1
T 21	23 24	25 35	4 21	24 51	2 7	23 50	1 3	13 20	0 56	23 25	0 7	22 49	0 7	13 14	0 44	22 35	0 58	15 17	7 23	19 38	19 17	9 25	6 12	3 1
W22	23 21	23 16	4 50	24 39	2 7	23 43	1 5	13 33	0 56	23 25	0 7	22 49	0 7	13 13	0 44	22 35	0 58	15 17	7 23	19 37	19 17	9 22	6 13	3 1
T 23	23 17	19 56	5 6	24 26	2 6	23 35	1 6	13 45	0 55	23 26	0 7	22 48	0 7	13 12	0 44	22 35	0 58	15 17	7 23	19 35	19 16	9 19	6 14	3 1
F 24	23 13	15 49	5 8	24 10	2 5	23 27	1 8	13 58	0 55	23 26	0 7	22 48	0 7	13 11	0 44	22 35	0 58	15 17	7 23	19 33	19 15	9 16	6 16	3 1
S 25	23 8	11 8	4 56	23 53	2 3	23 18	1 9	14 10	0 55	23 26	0 7	22 47	0 7	13 10	0 44	22 35	0 58	15 17	7 23	19 32	19 14	9 13	6 17	3 1
S 26	23 3	6 5	4 32	23 35	2 0	23 9	1 11	14 22	0 54	23 26	0 6	22 46	0 7	13 9	0 44	22 35	0 58	15 17	7 23	19 31	19 14	9 10	6 18	3 1
M27	22 58	0 48	3 56	23 14	1 58	22 58	1 12	14 34	0 54	23 26	0 6	22 46	0 7	13 8	0 44	22 35	0 58	15 17	7 22	19 31	19 13	9 7	6 19	3 2
T 28	22 52	4s32	3 10	22 52	1 54	22 47	1 14	14 46	0 53	23 27	0 6	22 45	0 7	13 7	0 44	22 35	0 58	15 17	7 22	19 31	19 12	9 4	6 20	3 2
W29	22 46	9 48	2 14	22 29	1 50	22 35	1 15	14 58	0 53	23 27	0 6	22 44	0 7	13 6	0 44	22 35	0 58	15 17	7 22	19 31	19 11	9 1	6 21	3 2
T 30	22 39	14 48	1 11	22 3	1 45	22 23	1 16	15 10	0 52	23 27	0 6	22 44	0 7	13 5	0 44	22 35	0 58	15 17	7 22	19 31	19 11	8 58	6 22	3 2
F 31	22s32	19s18	0n 4	21s37	1s39	22s10	1s18	15s22	0n52	23s27	0n 6	22s43	0n 7	13s 4	0s44	22s35	0n58	15n17	7s22	19n31	19n10	8n55	6s23	3s 2

Julian Day Number = 2146908.5, Delta T = 14m38s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'39, Lahiri = 12°13'40 Julian Calendar 1 Dec. 1165 == Greg. Calendar 8 Dec. 1165

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

JANUARY 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 32	17♑30'28	9♐10	2♒44	28♑ 3	14♏53	0♑19	13♑56	27♒35	0♑48	14°R10	26°R45	25♉12	18♍36	9♎ 3	S 1
S 2	7 11 28	18°31'34	22°39	4°18	29°18	15°31	0°33	14° 3	27°38	0°50	14♊ 9	26♉42	25° 8	18°43	9° 5	S 2
M 3	7 15 25	19°32'40	6♑34	5°51	0♒33	16° 9	0°46	14°10	27°41	0°52	14° 8	26°37	25° 5	18°49	9° 7	M 3
T 4	7 19 21	20°33'46	20°50	7°22	1°48	16°46	1° 0	14°17	27°43	0°54	14° 7	26°29	25° 2	18°56	9° 8	T 4
W 5	7 23 18	21°34'50	5♒24	8°50	3° 4	17°24	1°13	14°24	27°46	0°56	14° 6	26°20	24°59	19° 3	9°10	W 5
T 6	7 27 14	22°35'53	20° 8	10°14	4°19	18° 2	1°27	14°31	27°49	0°59	14° 6	26°11	24°56	19°10	9°11	T 6
F 7	7 31 11	23°36'56	4♓53	11°34	5°34	18°39	1°40	14°39	27°52	1° 1	14° 5	26° 2	24°52	19°16	9°12	F 7
S 8	7 35 8	24°37'57	19°32	12°50	6°49	19°17	1°53	14°46	27°55	1° 3	14° 4	25°56	24°49	19°23	9°13	S 8
S 9	7 39 4	25°38'56	3♈59	14° 1	8° 4	19°55	2° 7	14°53	27°58	1° 5	14° 3	25°51	24°46	19°30	9°14	S 9
M10	7 43 1	26°39'55	18°11	15° 5	9°20	20°32	2°20	15° 0	28° 1	1° 7	14° 2	25°49	24°43	19°36	9°15	M10
T 11	7 46 57	27°40'52	2♉ 6	16° 2	10°35	21°10	2°33	15° 7	28° 4	1° 9	14° 1	25°D49	24°40	19°43	9°15	T 11
W12	7 50 54	28°41'48	15°45	16°52	11°50	21°47	2°47	15°14	28° 8	1°11	14° 0	25°49	24°37	19°50	9°16	W12
T 13	7 54 50	29°42'43	29° 9	17°33	13° 5	22°25	3° 0	15°21	28°11	1°13	14° 0	25°R50	24°33	19°57	9°16	T 13
F 14	7 58 47	0♒43'36	12♊19	18° 4	14°20	23° 2	3°13	15°28	28°14	1°15	13°59	25°48	24°30	20° 3	9°17	F 14
S 15	8 2 43	1°44'28	25°17	18°26	15°35	23°40	3°26	15°35	28°17	1°17	13°58	25°45	24°27	20°10	9°17	S 15
S 16	8 6 40	2°45'18	8♋ 4	18°37	16°50	24°17	3°39	15°41	28°20	1°19	13°57	25°38	24°24	20°17	9°R17	S 16
M17	8 10 37	3°46'07	20°40	18°R37	18° 5	24°55	3°52	15°48	28°23	1°21	13°57	25°29	24°21	20°23	9°17	M17
T 18	8 14 33	4°46'55	3♌ 7	18°27	19°20	25°32	4° 5	15°55	28°27	1°23	13°56	25°17	24°18	20°30	9°17	T 18
W19	8 18 30	5°47'42	15°25	18° 5	20°35	26° 9	4°18	16° 2	28°30	1°25	13°55	25° 3	24°14	20°37	9°17	W19
T 20	8 22 26	6°48'27	27°33	17°33	21°50	26°47	4°31	16° 9	28°33	1°27	13°55	24°50	24°11	20°43	9°16	T 20
F 21	8 26 23	7°49'11	9♍34	16°51	23° 5	27°24	4°43	16°16	28°36	1°29	13°54	24°37	24° 8	20°50	9°16	F 21
S 22	8 30 19	8°49'53	21°27	16° 0	24°20	28° 1	4°56	16°23	28°40	1°31	13°53	24°26	24° 5	20°57	9°15	S 22
S 23	8 34 16	9°50'34	3♎18	15° 2	25°35	28°39	5° 9	16°29	28°43	1°33	13°53	24°18	24° 2	21° 4	9°14	S 23
M24	8 38 12	10°51'15	15° 8	13°59	26°50	29°16	5°21	16°36	28°46	1°35	13°52	24°13	23°58	21°10	9°13	M24
T 25	8 42 9	11°51'54	27° 1	12°52	28° 5	29°53	5°34	16°43	28°50	1°37	13°52	24°10	23°55	21°17	9°12	T 25
W26	8 46 6	12°52'31	9♏ 4	11°42	29°19	0♐30	5°46	16°49	28°53	1°39	13°51	24°D 9	23°52	21°24	9°11	W26
T 27	8 50 2	13°53'08	21°21	10°33	0♓34	1° 7	5°59	16°56	28°56	1°40	13°51	24°R 9	23°49	21°30	9°10	T 27
F 28	8 53 59	14°53'43	3♐58	9°25	1°49	1°45	6°11	17° 3	29° 0	1°42	13°50	24° 9	23°46	21°37	9° 9	F 28
S 29	8 57 55	15°54'17	16°59	8°21	3° 4	2°22	6°24	17° 9	29° 3	1°44	13°50	24° 7	23°43	21°44	9° 7	S 29
S 30	9 1 52	16°54'50	0♑28	7°21	4°19	2°59	6°36	17°16	29° 6	1°46	13°49	24° 3	23°39	21°51	9° 6	S 30
M31	9 5 48	17♒55'22	14♑27	6♒27	5♓33	3♐36	6♑48	17♑22	29♒10	1♑47	13♊49	23♉56	23♉36	21♍57	9♎ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s24	23s 1	1s 6	21s 9	1s33	21s56	1s19	15s33	0n52	23s27	0n 6	22s42	0n 7	13s 3	0s44	22s35	0n58	15n17	7s22	19n31	19n 9	8n52	6s23	3s 2	S 1
S 2	22 16	25 35	2 14	20 39	1 25	21 42	1 20	15 45	0 51	23 27	0 6	22 42	0 6	13 2	0 44	22 35	0 57	15 17	7 22	19 30	19 8	8 49	6 24	3 2	S 2
M 3	22 7	26 40	3 17	20 9	1 17	21 27	1 21	15 56	0 51	23 27	0 6	22 41	0 6	13 1	0 44	22 35	0 57	15 18	7 22	19 29	19 7	8 46	6 25	3 2	M 3
T 4	21 58	26 1	4 8	19 37	1 8	21 11	1 22	16 7	0 50	23 27	0 6	22 40	0 6	13 0	0 44	22 35	0 58	15 18	7 21	19 27	19 7	8 43	6 26	3 2	T 4
W 5	21 49	23 36	4 45	19 5	0 59	20 55	1 23	16 19	0 50	23 27	0 5	22 40	0 6	12 59	0 44	22 35	0 58	15 18	7 21	19 25	19 6	8 40	6 26	3 2	W 5
T 6	21 39	19 37	5 3	18 32	0 48	20 38	1 24	16 30	0 49	23 27	0 5	22 39	0 6	12 58	0 44	22 35	0 58	15 18	7 21	19 23	19 5	8 37	6 27	3 2	T 6
F 7	21 28	14 26	5 1	17 58	0 36	20 20	1 25	16 41	0 49	23 27	0 5	22 38	0 6	12 57	0 44	22 35	0 58	15 18	7 21	19 21	19 4	8 34	6 27	3 2	F 7
S 8	21 18	8 26	4 39	17 25	0 24	20 2	1 26	16 51	0 48	23 27	0 5	22 38	0 6	12 56	0 44	22 35	0 58	15 18	7 21	19 20	19 4	8 31	6 28	3 2	S 8
S 9	21 7	2 5	4 0	16 52	0 10	19 43	1 27	17 2	0 48	23 27	0 5	22 37	0 6	12 55	0 44	22 35	0 58	15 18	7 21	19 18	19 3	8 28	6 28	3 3	S 9
M10	20 55	4n17	3 7	16 20	0n 4	19 24	1 27	17 13	0 47	23 27	0 5	22 36	0 6	12 54	0 44	22 35	0 58	15 18	7 20	19 18	19 2	8 25	6 29	3 3	M10
T 11	20 43	10 20	2 3	15 48	0 19	19 4	1 28	17 23	0 46	23 27	0 5	22 35	0 6	12 53	0 44	22 35	0 58	15 18	7 20	19 18	19 1	8 22	6 29	3 3	T 11
W12	20 31	15 47	0 53	15 18	0 35	18 44	1 28	17 33	0 46	23 26	0 5	22 35	0 6	12 52	0 44	22 35	0 58	15 18	7 20	19 18	19 1	8 19	6 29	3 3	W12
T 13	20 18	20 21	0n18	14 50	0 51	18 23	1 29	17 44	0 45	23 26	0 5	22 34	0 6	12 51	0 44	22 35	0 58	15 18	7 20	19 18	19 0	8 16	6 29	3 3	T 13
F 14	20 5	23 48	1 27	14 24	1 8	18 2	1 29	17 54	0 45	23 26	0 5	22 33	0 6	12 49	0 44	22 35	0 58	15 18	7 20	19 18	18 59	8 13	6 30	3 3	F 14
S 15	19 52	25 58	2 30	14 1	1 25	17 40	1 30	18 4	0 44	23 26	0 5	22 33	0 6	12 48	0 44	22 35	0 58	15 18	7 20	19 17	18 58	8 10	6 30	3 3	S 15
S 16	19 38	26 42	3 24	13 41	1 43	17 17	1 30	18 13	0 44	23 25	0 4	22 32	0 5	12 47	0 44	22 35	0 58	15 18	7 19	19 15	18 57	8 7	6 30	3 3	S 16
M17	19 24	26 2	4 8	13 25	2 0	16 54	1 30	18 23	0 43	23 25	0 4	22 31	0 5	12 46	0 44	22 35	0 58	15 18	7 19	19 13	18 57	8 4	6 30	3 3	M17
T 18	19 9	24 4	4 39	13 12	2 17	16 31	1 30	18 33	0 42	23 25	0 4	22 30	0 5	12 45	0 44	22 35	0 58	15 19	7 19	19 10	18 56	8 1	6 30	3 3	T 18
W19	18 55	21 0	4 57	13 3	2 33	16 7	1 30	18 42	0 42	23 25	0 4	22 30	0 5	12 44	0 44	22 35	0 58	15 19	7 19	19 7	18 55	7 58	6 30	3 3	W19
T 20	18 39	17 4	5 0	12 58	2 48	15 43	1 30	18 52	0 41	23 24	0 4	22 29	0 5	12 43	0 44	22 35	0 58	15 19	7 19	19 4	18 54	7 55	6 30	3 3	T 20
F 21	18 24	12 30	4 51	12 58	3 2	15 18	1 30	19 1	0 40	23 24	0 4	22 28	0 5	12 42	0 44	22 35	0 58	15 19	7 19	19 1	18 53	7 52	6 29	3 3	F 21
S 22	18 8	7 31	4 29	13 1	3 15	14 53	1 30	19 10	0 40	23 24	0 4	22 27	0 5	12 40	0 44	22 35	0 58	15 19	7 18	18 58	18 53	7 49	6 29	3 3	S 22
S 23	17 52	2 16	3 55	13 8	3 25	14 28	1 30	19 19	0 39	23 23	0 4	22 27	0 5	12 39	0 44	22 35	0 58	15 19	7 18	18 56	18 52	7 46	6 29	3 3	S 23
M24	17 35	3s 3	3 11	13 18	3 34	14 2	1 30	19 28	0 38	23 23	0 4	22 26	0 5	12 38	0 43	22 35	0 58	15 19	7 18	18 55	18 51	7 43	6 29	3 3	M24
T 25	17 19	8 18	2 18	13 31	3 40	13 36	1 29	19 36	0 38	23 22	0 4	22 25	0 5	12 37	0 43	22 35	0 58	15 19	7 18	18 54	18 50	7 40	6 28	3 3	T 25
W26	17 2	13 20	1 19	13 46	3 44	13 9	1 29	19 45	0 37	23 22	0 3	22 24	0 5	12 36	0 43	22 35	0 58	15 19	7 18	18 54	18 50	7 37	6 28	3 3	W26
T 27	16 44	17 57	0 15	14 4	3 45	12 42	1 29	19 53	0 36	23 21	0 3	22 24	0 5	12 35	0 43	22 35	0 58	15 20	7 17	18 54	18 49	7 34	6 27	3 3	T 27
F 28	16 26	21 53	0s52	14 22	3 44	12 15	1 28	20 1	0 36	23 21	0 3	22 23	0 5	12 33	0 43	22 35	0 58	15 20	7 17	18 54	18 48	7 31	6 27	3 3	F 28
S 29	16 9	24 52	1 58	14 42	3 41	11 47	1 27	20 10	0 35	23 20	0 3	22 22	0 5	12 32	0 43	22 35	0 58	15 20	7 17	18 53	18 47	7 28	6 26	3 3	S 29
S 30	15 50	26 32	2 59	15 2	3 36	11 19	1 27	20 18	0 34	23 20	0 3	22 21	0 5	12 31	0 43	22 35	0 58	15 20	7 17	18 52	18 46	7 25	6 26	3 3	S 30
M31	15s32	26s37	3s52	15s22	3n29	10s51	1s26	20s25	0n33	23s19	0n 3	22s21	0n 4	12s30	0s43	22s35	0n58	15n20	7s17	18n51	18n46	7n22	6s25	3s 3	M31

Julian Day Number = 2146939.5, Delta T = 14m38s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'43, Lahiri = 12°13'44 Julian Calendar 1 Jan. 1166 == Greg. Calendar 8 Jan. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

FEBRUARY 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 9 45	18♒55'52	28♑53	5°R39	6♓48	4♐13	7♑ 0	17♑29	29♒13	1♑49	13°R48	23°R47	23♉33	22♍ 4	9°R 2	T 1
W 2	9 13 41	19°56'20	13♒43	4♒58	8° 3	4°50	7°12	17°35	29°17	1°51	13♊48	23♉35	23°30	22°11	9♎ 0	W 2
T 3	9 17 38	20°56'47	28°48	4°25	9°17	5°27	7°24	17°41	29°20	1°53	13°47	23°23	23°27	22°17	8°58	T 3
F 4	9 21 35	21°57'12	13♓57	3°59	10°32	6° 4	7°36	17°48	29°23	1°54	13°47	23°12	23°23	22°24	8°56	F 4
S 5	9 25 31	22°57'35	29° 0	3°40	11°47	6°41	7°48	17°54	29°27	1°56	13°47	23° 3	23°20	22°31	8°54	S 5
S 6	9 29 28	23°57'56	13♈49	3°29	13° 1	7°17	7°59	18° 0	29°30	1°57	13°46	22°57	23°17	22°38	8°52	S 6
M 7	9 33 24	24°58'15	28°17	3°D24	14°16	7°54	8°11	18° 6	29°34	1°59	13°46	22°53	23°14	22°44	8°50	M 7
T 8	9 37 21	25°58'32	12♉21	3°27	15°30	8°31	8°22	18°12	29°37	2° 0	13°46	22°52	23°11	22°51	8°47	T 8
W 9	9 41 17	26°58'46	26° 2	3°35	16°45	9° 8	8°34	18°19	29°41	2° 2	13°46	22°51	23° 8	22°58	8°44	W 9
T 10	9 45 14	27°58'59	9♊20	3°50	17°59	9°44	8°45	18°25	29°44	2° 3	13°45	22°51	23° 4	23° 4	8°42	T 10
F 11	9 49 10	28°59'10	22°20	4°10	19°14	10°21	8°57	18°31	29°47	2° 5	13°45	22°50	23° 1	23°11	8°39	F 11
S 12	9 53 7	29°59'19	5♋ 4	4°36	20°28	10°57	9° 8	18°36	29°51	2° 6	13°45	22°45	22°58	23°18	8°36	S 12
S 13	9 57 4	0♓59'25	17°36	5° 6	21°42	11°34	9°19	18°42	29°54	2° 8	13°45	22°39	22°55	23°24	8°33	S 13
M14	10 1 0	1°59'30	29°57	5°41	22°57	12°10	9°30	18°48	29°58	2° 9	13°45	22°29	22°52	23°31	8°30	M14
T 15	10 4 57	2°59'32	12♌10	6°21	24°11	12°47	9°41	18°54	0♓ 1	2°10	13°45	22°16	22°49	23°38	8°27	T 15
W16	10 8 53	3°59'32	24°15	7° 4	25°25	13°23	9°52	19° 0	0° 5	2°12	13°44	22° 2	22°45	23°45	8°24	W16
T 17	10 12 50	4°59'30	6♍15	7°51	26°39	14° 0	10° 2	19° 5	0° 8	2°13	13°44	21°48	22°42	23°51	8°20	T 17
F 18	10 16 46	5°59'27	18°10	8°41	27°53	14°36	10°13	19°11	0°12	2°14	13°44	21°35	22°39	23°58	8°17	F 18
S 19	10 20 43	6°59'21	0♎ 2	9°34	29° 7	15°12	10°23	19°17	0°15	2°15	13°44	21°23	22°36	24° 5	8°14	S 19
S 20	10 24 39	7°59'13	11°52	10°31	0♈22	15°48	10°34	19°22	0°18	2°17	13°D44	21°14	22°33	24°11	8°10	S 20
M21	10 28 36	8°59'04	23°42	11°30	1°36	16°24	10°44	19°28	0°22	2°18	13°44	21° 8	22°29	24°18	8° 6	M21
T 22	10 32 33	9°58'53	5♏37	12°32	2°50	17° 0	10°54	19°33	0°25	2°19	13°44	21° 5	22°26	24°25	8° 3	T 22
W23	10 36 29	10°58'40	17°40	13°37	4° 4	17°36	11° 5	19°38	0°29	2°20	13°44	21°D 4	22°23	24°31	7°59	W23
T 24	10 40 26	11°58'25	29°55	14°44	5°17	18°12	11°15	19°44	0°32	2°21	13°45	21° 4	22°20	24°38	7°55	T 24
F 25	10 44 22	12°58'09	12♐28	15°53	6°31	18°48	11°24	19°49	0°35	2°22	13°45	21°R 4	22°17	24°45	7°51	F 25
S 26	10 48 19	13°57'51	25°24	17° 4	7°45	19°24	11°34	19°54	0°39	2°23	13°45	21° 4	22°14	24°52	7°47	S 26
S 27	10 52 15	14°57'31	8♑46	18°17	8°59	20° 0	11°44	19°59	0°42	2°24	13°45	21° 1	22°10	24°58	7°43	S 27
M28	10 56 12	15♓57'09	22♑38	19♒32	10♈13	20♐36	11♑54	20♑ 4	0♓46	2♑25	13♊45	20♉56	22♉ 7	25♍ 5	7♎39	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s13	24s55	4s33	15s42	3n21	10s22	1s25	20s33	0n33	23s19	0n 3	22s20	0n 4	12s29	0s43	22s34	0n58	15n20	7s16	18n48	18n45	7n19	6s24	3s 3	T 1
W 2	14 54	21 30	4 56	16 1	3 11	9 54	1 24	20 41	0 32	23 18	0 3	22 19	0 4	12 27	0 43	22 34	0 58	15 20	7 16	18 45	18 44	7 16	6 24	3 3	W 2
T 3	14 35	16 36	4 59	16 19	3 1	9 25	1 23	20 48	0 31	23 18	0 3	22 18	0 4	12 26	0 43	22 34	0 58	15 21	7 16	18 42	18 43	7 13	6 23	3 3	T 3
F 4	14 15	10 39	4 41	16 37	2 49	8 55	1 22	20 55	0 30	23 17	0 3	22 17	0 4	12 25	0 43	22 34	0 58	15 21	7 16	18 40	18 42	7 10	6 22	3 3	F 4
S 5	13 56	4 7	4 4	16 53	2 37	8 26	1 21	21 2	0 29	23 17	0 2	22 17	0 4	12 24	0 43	22 34	0 58	15 21	7 16	18 37	18 42	7 7	6 21	3 3	S 5
S 6	13 36	2n33	3 10	17 8	2 24	7 56	1 20	21 9	0 29	23 16	0 2	22 16	0 4	12 23	0 43	22 34	0 58	15 21	7 15	18 36	18 41	7 3	6 20	3 3	S 6
M 7	13 15	8 57	2 6	17 21	2 11	7 26	1 19	21 16	0 28	23 15	0 2	22 15	0 4	12 21	0 43	22 34	0 58	15 21	7 15	18 35	18 40	7 0	6 19	3 3	M 7
T 8	12 55	14 44	0 55	17 33	1 58	6 56	1 18	21 23	0 27	23 15	0 2	22 14	0 4	12 20	0 43	22 34	0 58	15 21	7 15	18 34	18 39	6 57	6 18	3 3	T 8
W 9	12 35	19 37	0n17	17 44	1 45	6 26	1 16	21 29	0 26	23 14	0 2	22 14	0 4	12 19	0 43	22 34	0 58	15 22	7 15	18 34	18 38	6 54	6 17	3 3	W 9
T 10	12 14	23 22	1 26	17 53	1 32	5 55	1 15	21 36	0 25	23 14	0 2	22 13	0 4	12 18	0 43	22 34	0 58	15 22	7 15	18 34	18 38	6 51	6 16	3 3	T 10
F 11	11 53	25 48	2 29	18 1	1 19	5 25	1 14	21 42	0 24	23 13	0 2	22 12	0 4	12 16	0 43	22 34	0 58	15 22	7 14	18 34	18 37	6 48	6 15	3 3	F 11
S 12	11 32	26 50	3 23	18 8	1 6	4 54	1 12	21 48	0 23	23 12	0 2	22 11	0 4	12 15	0 43	22 34	0 58	15 22	7 14	18 33	18 36	6 45	6 14	3 3	S 12
S 13	11 10	26 27	4 6	18 13	0 54	4 23	1 11	21 54	0 22	23 12	0 2	22 11	0 4	12 14	0 43	22 34	0 58	15 22	7 14	18 31	18 35	6 42	6 12	3 3	S 13
M14	10 49	24 46	4 37	18 16	0 41	3 52	1 9	22 0	0 21	23 11	0 2	22 10	0 3	12 13	0 43	22 34	0 58	15 23	7 14	18 28	18 34	6 39	6 11	3 3	M14
T 15	10 27	21 57	4 55	18 18	0 29	3 21	1 7	22 6	0 21	23 10	0 1	22 9	0 3	12 12	0 43	22 34	0 58	15 23	7 14	18 25	18 34	6 36	6 10	3 3	T 15
W16	10 5	18 12	5 0	18 18	0 18	2 50	1 6	22 11	0 20	23 9	0 1	22 8	0 3	12 10	0 43	22 34	0 58	15 23	7 13	18 22	18 33	6 33	6 8	3 3	W16
T 17	9 43	13 45	4 51	18 17	0 7	2 19	1 4	22 17	0 19	23 9	0 1	22 8	0 3	12 9	0 43	22 34	0 58	15 23	7 13	18 18	18 32	6 30	6 7	3 3	T 17
F 18	9 21	8 49	4 29	18 15	0s 4	1 47	1 2	22 22	0 18	23 8	0 1	22 7	0 3	12 8	0 43	22 34	0 58	15 23	7 13	18 15	18 31	6 26	6 6	3 3	F 18
S 19	8 59	3 35	3 55	18 11	0 15	1 16	1 0	22 27	0 17	23 7	0 1	22 6	0 3	12 7	0 43	22 34	0 58	15 24	7 13	18 11	18 30	6 23	6 4	3 2	S 19
S 20	8 37	1s46	3 12	18 5	0 25	0 45	0 58	22 32	0 15	23 7	0 1	22 6	0 3	12 5	0 43	22 34	0 58	15 24	7 13	18 9	18 29	6 20	6 3	3 2	S 20
M21	8 14	7 5	2 20	17 58	0 35	0 13	0 56	22 37	0 14	23 6	0 1	22 5	0 3	12 4	0 43	22 34	0 58	15 24	7 12	18 8	18 29	6 17	6 1	3 2	M21
T 22	7 52	12 11	1 21	17 50	0 44	0n18	0 54	22 41	0 13	23 5	0 1	22 4	0 3	12 3	0 43	22 34	0 58	15 24	7 12	18 7	18 28	6 14	5 59	3 2	T 22
W23	7 29	16 53	0 18	17 40	0 53	0 50	0 52	22 46	0 12	23 4	0 1	22 3	0 3	12 2	0 43	22 34	0 58	15 24	7 12	18 6	18 27	6 11	5 58	3 2	W23
T 24	7 6	20 59	0s47	17 29	1 2	1 21	0 50	22 50	0 11	23 4	0 1	22 3	0 3	12 1	0 43	22 34	0 58	15 25	7 12	18 6	18 26	6 8	5 56	3 2	T 24
F 25	6 43	24 14	1 51	17 16	1 10	1 53	0 47	22 54	0 10	23 3	0 0	22 2	0 3	11 59	0 43	22 34	0 58	15 25	7 11	18 6	18 25	6 5	5 55	3 2	F 25
S 26	6 20	26 20	2 52	17 2	1 18	2 24	0 45	22 59	0 9	23 2	0 0	22 1	0 3	11 58	0 43	22 33	0 58	15 25	7 11	18 6	18 25	6 2	5 53	3 2	S 26
S 27	5 57	27 0	3 45	16 46	1 25	2 55	0 43	23 2	0 8	23 2	0 0	22 1	0 3	11 57	0 43	22 33	0 58	15 25	7 11	18 6	18 24	5 59	5 51	3 1	S 27
M28	5s34	26s 2	4s28	16s29	1s32	3n27	0s40	23s 6	0n 7	23s 1	0n 0	22s 0	0n 2	11s56	0s43	22s33	0n58	15n25	7s11	18n 4	18n23	5n55	5s49	3s 1	M28

Julian Day Number = 2146970.5, Delta T = 14m38s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'48, Lahiri = 12°13'48 Julian Calendar 1 Feb. 1166 == Greg. Calendar 8 Feb. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

MARCH 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 0 8	16♓56'46	7♒ 0	20♒49	11♈26	21♐11	12♑ 3	20♑ 9	0♓49	2♑26	13♊45	20°R49	22♉ 4	25♍12	7°R35	T 1
W 2	11 4 5	17°56'21	21°48	22° 8	12°40	21°47	12°12	20°14	0°52	2°27	13°46	20♉40	22° 1	25°18	7♎31	W 2
T 3	11 8 2	18°55'54	6♓56	23°28	13°54	22°23	12°22	20°19	0°56	2°28	13°46	20°31	21°58	25°25	7°26	T 3
F 4	11 11 58	19°55'24	22°14	24°50	15° 7	22°58	12°31	20°23	0°59	2°29	13°46	20°22	21°55	25°32	7°22	F 4
S 5	11 15 55	20°54'53	7♈31	26°14	16°21	23°33	12°40	20°28	1° 2	2°30	13°46	20°14	21°51	25°38	7°18	S 5
S 6	11 19 51	21°54'19	22°35	27°39	17°34	24° 9	12°48	20°33	1° 6	2°30	13°47	20° 9	21°48	25°45	7°13	S 6
M 7	11 23 48	22°53'43	7♉19	29° 6	18°48	24°44	12°57	20°37	1° 9	2°31	13°47	20° 6	21°45	25°52	7° 9	M 7
T 8	11 27 44	23°53'05	21°38	0♓34	20° 1	25°19	13° 6	20°41	1°12	2°32	13°47	20°D 5	21°42	25°59	7° 5	T 8
W 9	11 31 41	24°52'25	5♊29	2° 4	21°15	25°54	13°14	20°46	1°15	2°32	13°48	20° 6	21°39	26° 5	7° 0	W 9
T 10	11 35 37	25°51'42	18°54	3°35	22°28	26°29	13°23	20°50	1°18	2°33	13°48	20° 7	21°35	26°12	6°55	T 10
F 11	11 39 34	26°50'57	1♋55	5° 8	23°41	27° 4	13°31	20°54	1°22	2°34	13°49	20°R 7	21°32	26°19	6°51	F 11
S 12	11 43 31	27°50'09	14°37	6°42	24°55	27°39	13°39	20°58	1°25	2°34	13°49	20° 5	21°29	26°25	6°46	S 12
S 13	11 47 27	28°49'19	27° 2	8°17	26° 8	28°13	13°47	21° 2	1°28	2°35	13°50	20° 2	21°26	26°32	6°42	S 13
M14	11 51 24	29°48'27	9♌15	9°54	27°21	28°48	13°54	21° 6	1°31	2°35	13°50	19°56	21°23	26°39	6°37	M14
T 15	11 55 20	0♈47'33	21°19	11°33	28°34	29°23	14° 2	21°10	1°34	2°36	13°51	19°48	21°20	26°45	6°32	T 15
W16	11 59 17	1°46'36	3♍16	13°13	29°47	29°57	14°10	21°14	1°37	2°36	13°51	19°39	21°16	26°52	6°28	W16
T 17	12 3 13	2°45'37	15° 9	14°54	1♉ 0	0♑31	14°17	21°18	1°40	2°37	13°52	19°30	21°13	26°59	6°23	T 17
F 18	12 7 10	3°44'35	27° 1	16°37	2°13	1° 6	14°24	21°22	1°44	2°37	13°52	19°21	21°10	27° 6	6°18	F 18
S 19	12 11 6	4°43'32	8♎51	18°21	3°26	1°40	14°31	21°25	1°47	2°37	13°53	19°14	21° 7	27°12	6°14	S 19
S 20	12 15 3	5°42'27	20°44	20° 7	4°38	2°14	14°38	21°29	1°50	2°38	13°53	19° 8	21° 4	27°19	6° 9	S 20
M21	12 18 59	6°41'19	2♏39	21°54	5°51	2°48	14°45	21°32	1°53	2°38	13°54	19° 4	21° 0	27°26	6° 4	M21
T 22	12 22 56	7°40'10	14°40	23°43	7° 4	3°22	14°52	21°35	1°55	2°38	13°55	19°D 3	20°57	27°32	6° 0	T 22
W23	12 26 53	8°38'59	26°49	25°33	8°16	3°55	14°58	21°39	1°58	2°38	13°55	19° 3	20°54	27°39	5°55	W23
T 24	12 30 49	9°37'46	9♐ 9	27°25	9°29	4°29	15° 5	21°42	2° 1	2°39	13°56	19° 4	20°51	27°46	5°50	T 24
F 25	12 34 46	10°36'31	21°45	29°18	10°42	5° 3	15°11	21°45	2° 4	2°39	13°57	19° 6	20°48	27°52	5°45	F 25
S 26	12 38 42	11°35'15	4♑41	1♈13	11°54	5°36	15°17	21°48	2° 7	2°39	13°57	19° 7	20°45	27°59	5°41	S 26
S 27	12 42 39	12°33'57	17°59	3° 9	13° 6	6° 9	15°23	21°51	2°10	2°39	13°58	19°R 7	20°41	28° 6	5°36	S 27
M28	12 46 35	13°32'37	1♒42	5° 6	14°19	6°42	15°28	21°53	2°13	2°39	13°59	19° 6	20°38	28°12	5°31	M28
T 29	12 50 32	14°31'16	15°52	7° 6	15°31	7°15	15°34	21°56	2°15	2°R39	14° 0	19° 3	20°35	28°19	5°27	T 29
W30	12 54 28	15°29'52	0♓26	9° 6	16°43	7°48	15°39	21°59	2°18	2°39	14° 1	18°59	20°32	28°26	5°22	W30
T 31	12 58 25	16♈28'27	15♓21	11♈ 8	17♉55	8♑21	15♑45	22♑ 1	2♓21	2♑39	14♊ 1	18♉54	20♉29	28♍33	5♎18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s11	23s21	4s55	16s10	1s38	3n58	0s38	23s10	0n 5	23s 0	0s 0	21s59	0n 2	11s55	0s44	22s33	0n58	15n26	7s11	18n 3	18n22	5n52	5s47	3s 1
W 2	4 47	19 5	5 3	15 50	1 44	4 29	0 36	23 13	0 4	22 59	0 0	21 59	0 2	11 54	0 44	22 33	0 58	15 26	7 10	18 0	18 21	5 49	5 46	3 1
T 3	4 24	13 30	4 51	15 29	1 50	5 0	0 33	23 17	0 3	22 59	0 0	21 58	0 2	11 52	0 44	22 33	0 58	15 26	7 10	17 58	18 20	5 46	5 44	3 1
F 4	4 1	7 3	4 18	15 6	1 55	5 31	0 31	23 20	0 2	22 58	0 0	21 58	0 2	11 51	0 44	22 33	0 58	15 26	7 10	17 55	18 20	5 43	5 42	3 1
S 5	3 37	0 10	3 27	14 42	2 0	6 2	0 28	23 23	0 1	22 57	0 0	21 57	0 2	11 50	0 44	22 33	0 58	15 27	7 10	17 53	18 19	5 40	5 40	3 0
S 6	3 14	6n38	2 22	14 17	2 4	6 32	0 25	23 26	0s 1	22 56	0 1	21 56	0 2	11 49	0 44	22 33	0 58	15 27	7 10	17 52	18 18	5 37	5 38	3 0
M 7	2 50	12 57	1 8	13 50	2 8	7 3	0 23	23 29	0 2	22 56	0 1	21 56	0 2	11 48	0 44	22 33	0 58	15 27	7 9	17 51	18 17	5 34	5 36	3 0
T 8	2 26	18 23	0n 8	13 22	2 11	7 33	0 20	23 31	0 3	22 55	0 1	21 55	0 2	11 47	0 44	22 33	0 58	15 27	7 9	17 51	18 16	5 30	5 34	3 0
W 9	2 3	22 39	1 22	12 52	2 14	8 3	0 17	23 34	0 5	22 54	0 1	21 54	0 2	11 45	0 44	22 33	0 58	15 28	7 9	17 51	18 16	5 27	5 32	2 59
T 10	1 39	25 33	2 28	12 21	2 16	8 33	0 15	23 36	0 6	22 53	0 1	21 54	0 2	11 44	0 44	22 33	0 58	15 28	7 9	17 51	18 15	5 24	5 30	2 59
F 11	1 15	26 57	3 25	11 49	2 18	9 3	0 12	23 38	0 7	22 53	0 1	21 53	0 2	11 43	0 44	22 33	0 58	15 28	7 9	17 51	18 14	5 21	5 28	2 59
S 12	0 52	26 53	4 10	11 15	2 20	9 33	0 9	23 41	0 9	22 52	0 1	21 53	0 2	11 42	0 44	22 33	0 58	15 28	7 8	17 51	18 13	5 18	5 26	2 59
S 13	0 28	25 28	4 43	10 40	2 21	10 2	0 6	23 43	0 10	22 51	0 1	21 52	0 1	11 41	0 44	22 33	0 58	15 29	7 8	17 50	18 12	5 15	5 24	2 58
M14	0 5	22 52	5 1	10 4	2 21	10 31	0 3	23 44	0 12	22 51	0 2	21 52	0 1	11 40	0 44	22 33	0 59	15 29	7 8	17 48	18 11	5 12	5 22	2 58
T 15	0n19	19 18	5 6	9 27	2 21	11 0	0 0	23 46	0 13	22 50	0 2	21 51	0 1	11 39	0 44	22 33	0 59	15 29	7 8	17 46	18 11	5 8	5 20	2 58
W16	0 43	14 59	4 58	8 48	2 21	11 29	0n 2	23 48	0 15	22 49	0 2	21 51	0 1	11 38	0 44	22 33	0 59	15 29	7 8	17 44	18 10	5 5	5 18	2 58
T 17	1 6	10 7	4 37	8 8	2 20	11 57	0 5	23 49	0 16	22 49	0 2	21 50	0 1	11 37	0 44	22 33	0 59	15 30	7 7	17 41	18 9	5 2	5 15	2 57
F 18	1 30	4 55	4 4	7 26	2 19	12 26	0 8	23 50	0 18	22 48	0 2	21 50	0 1	11 35	0 44	22 33	0 59	15 30	7 7	17 39	18 8	4 59	5 13	2 57
S 19	1 53	0s28	3 20	6 43	2 17	12 53	0 11	23 52	0 19	22 47	0 2	21 49	0 1	11 34	0 44	22 33	0 59	15 30	7 7	17 37	18 7	4 56	5 11	2 57
S 20	2 17	5 51	2 27	6 0	2 15	13 21	0 14	23 53	0 21	22 47	0 2	21 49	0 1	11 33	0 44	22 33	0 59	15 31	7 7	17 35	18 6	4 53	5 9	2 56
M21	2 40	11 4	1 28	5 14	2 12	13 48	0 17	23 54	0 23	22 46	0 2	21 48	0 1	11 32	0 44	22 33	0 59	15 31	7 7	17 34	18 5	4 50	5 7	2 56
T 22	3 3	15 56	0 24	4 28	2 8	14 15	0 20	23 55	0 24	22 45	0 3	21 48	0 1	11 31	0 44	22 33	0 59	15 31	7 6	17 34	18 5	4 46	5 5	2 56
W23	3 27	20 13	0s42	3 41	2 4	14 41	0 23	23 55	0 26	22 45	0 3	21 47	0 1	11 30	0 44	22 33	0 59	15 31	7 6	17 34	18 4	4 43	5 3	2 55
T 24	3 50	23 41	1 47	2 52	2 0	15 8	0 26	23 56	0 27	22 44	0 3	21 47	0 1	11 29	0 44	22 33	0 59	15 32	7 6	17 34	18 3	4 40	5 0	2 55
F 25	4 13	26 6	2 49	2 2	1 55	15 33	0 29	23 56	0 29	22 44	0 3	21 46	0 1	11 28	0 44	22 33	0 59	15 32	7 6	17 35	18 2	4 37	4 58	2 55
S 26	4 36	27 11	3 43	1 11	1 49	15 59	0 32	23 57	0 31	22 43	0 3	21 46	0 0	11 27	0 44	22 33	0 59	15 32	7 6	17 35	18 1	4 34	4 56	2 54
S 27	4 59	26 45	4 27	0 19	1 43	16 24	0 35	23 57	0 33	22 43	0 3	21 46	0 0	11 26	0 44	22 33	0 59	15 32	7 5	17 35	18 0	4 31	4 54	2 54
M28	5 22	24 42	4 58	0n33	1 37	16 49	0 38	23 57	0 34	22 42	0 3	21 45	0 0	11 25	0 44	22 33	0 59	15 33	7 5	17 35	18 0	4 27	4 52	2 54
T 29	5 45	21 6	5 11	1 27	1 30	17 13	0 41	23 57	0 36	22 42	0 3	21 45	0 0	11 24	0 44	22 32	0 59	15 33	7 5	17 34	17 59	4 24	4 49	2 53
W30	6 8	16 7	5 6	2 22	1 22	17 37	0 44	23 57	0 38	22 41	0 4	21 45	0 0	11 23	0 44	22 32	0 59	15 33	7 5	17 33	17 58	4 21	4 47	2 53
T 31	6n30	10s 5	4s39	3n17	1s14	18n 0	0n47	23s57	0s40	22s41	0s 4	21s44	0n 0	11s22	0s44	22s32	0n59	15n33	7s 5	17n31	17n57	4n18	4s45	2s53

Julian Day Number = 2146998.5, Delta T = 14m38s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'52, Lahiri = 12°13'52 Julian Calendar 1 March 1166 == Greg. Calendar 8 March 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

APRIL 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 2 22	17♈27'01	0♈29	13♈12	19♉ 7	8♉54	15♉50	22♉ 4	2♓24	2°R39	14♊ 2	18°R50	20♉26	28♍39	5°R13	F 1
S 2	13 6 18	18°25'32	15°41	15°16	20°19	9°26	15°54	22° 6	2°26	2♉39	14° 3	18♉46	20°22	28°46	5♎ 9	S 2
S 3	13 10 15	19°24'01	0♉46	17°22	21°31	9°58	15°59	22° 8	2°29	2°38	14° 4	18°44	20°19	28°53	5° 4	S 3
M 4	13 14 11	20°22'29	15°36	19°28	22°43	10°31	16° 4	22°10	2°31	2°38	14° 5	18°D43	20°16	28°59	5° 0	M 4
T 5	13 18 8	21°20'54	0♊ 3	21°36	23°55	11° 3	16° 8	22°12	2°34	2°38	14° 6	18°43	20°13	29° 6	4°55	T 5
W 6	13 22 4	22°19'18	14° 4	23°44	25° 7	11°34	16°12	22°14	2°37	2°38	14° 7	18°44	20°10	29°13	4°51	W 6
T 7	13 26 1	23°17'39	27°39	25°52	26°19	12° 6	16°16	22°16	2°39	2°38	14° 8	18°46	20° 6	29°19	4°47	T 7
F 8	13 29 57	24°15'58	10♋47	28° 1	27°30	12°38	16°20	22°18	2°41	2°37	14° 9	18°47	20° 3	29°26	4°42	F 8
S 9	13 33 54	25°14'15	23°32	0♉10	28°42	13° 9	16°24	22°20	2°44	2°37	14°10	18°R48	20° 0	29°33	4°38	S 9
S 10	13 37 51	26°12'30	5♌59	2°18	29°53	13°40	16°27	22°21	2°46	2°37	14°11	18°47	19°57	29°40	4°34	S 10
M11	13 41 47	27°10'43	18°10	4°26	1♊ 5	14°11	16°31	22°23	2°49	2°36	14°12	18°46	19°54	29°46	4°30	M11
T 12	13 45 44	28° 8'54	0♍11	6°33	2°16	14°42	16°34	22°24	2°51	2°36	14°13	18°43	19°51	29°53	4°26	T 12
W13	13 49 40	29° 7'03	12° 5	8°38	3°27	15°12	16°37	22°26	2°53	2°35	14°14	18°41	19°47	29°59	4°22	W13
T 14	13 53 37	0♉ 5'10	23°55	10°42	4°39	15°43	16°40	22°27	2°55	2°35	14°15	18°38	19°44	0♎ 6	4°18	T 14
F 15	13 57 33	1° 3'15	5♎46	12°44	5°50	16°13	16°42	22°28	2°58	2°34	14°16	18°35	19°41	0°13	4°14	F 15
S 16	14 1 30	2° 1'18	17°38	14°44	7° 1	16°43	16°45	22°29	3° 0	2°34	14°17	18°32	19°38	0°20	4°10	S 16
S 17	14 5 26	2°59'19	29°36	16°42	8°12	17°13	16°47	22°30	3° 2	2°33	14°18	18°31	19°35	0°26	4° 7	S 17
M18	14 9 23	3°57'19	11♏40	18°37	9°23	17°42	16°49	22°31	3° 4	2°32	14°19	18°30	19°32	0°33	4° 3	M18
T 19	14 13 20	4°55'17	23°52	20°29	10°33	18°12	16°51	22°31	3° 6	2°32	14°20	18°D30	19°28	0°40	3°59	T 19
W20	14 17 16	5°53'13	6♐14	22°19	11°44	18°41	16°53	22°32	3° 8	2°31	14°22	18°30	19°25	0°46	3°56	W20
T 21	14 21 13	6°51'09	18°48	24° 5	12°55	19°10	16°54	22°32	3°10	2°30	14°23	18°31	19°22	0°53	3°53	T 21
F 22	14 25 9	7°49'03	1♑36	25°48	14° 5	19°39	16°55	22°33	3°12	2°30	14°24	18°32	19°19	1° 0	3°49	F 22
S 23	14 29 6	8°46'55	14°40	27°28	15°16	20° 7	16°57	22°33	3°14	2°29	14°25	18°33	19°16	1° 6	3°46	S 23
S 24	14 33 2	9°44'46	28° 2	29° 4	16°26	20°35	16°57	22°33	3°16	2°28	14°26	18°34	19°12	1°13	3°43	S 24
M25	14 36 59	10°42'36	11♒42	0♊37	17°36	21° 3	16°58	22°34	3°17	2°27	14°27	18°R34	19° 9	1°20	3°40	M25
T 26	14 40 55	11°40'25	25°43	2° 6	18°46	21°31	16°59	22°R34	3°19	2°26	14°29	18°34	19° 6	1°27	3°37	T 26
W27	14 44 52	12°38'13	10♓ 2	3°32	19°57	21°58	16°59	22°34	3°21	2°26	14°30	18°33	19° 3	1°33	3°34	W27
T 28	14 48 49	13°35'59	24°37	4°54	21° 7	22°25	16°R59	22°33	3°22	2°25	14°31	18°33	19° 0	1°40	3°31	T 28
F 29	14 52 45	14°33'44	9♈24	6°13	22°16	22°52	16°59	22°33	3°24	2°24	14°32	18°32	18°57	1°47	3°28	F 29
S 30	14 56 42	15♉31'28	24♈16	7♊27	23♊26	23♉19	16♉59	22♉33	3♓26	2♉23	14♊34	18♉32	18♉53	1♎53	3♎25	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n53	3s22	3s54	4n13	1s 6	18n23	0n50	23s57	0s42	22s40	0s 4	21s44	0n 0	11s21	0s44	22s32	0n59	15n34	7s 5	17n30	17n56	4n15	4s43	2s52
S 2	7 15	3n34	2 51	5 10	0 57	18 45	0 53	23 56	0 44	22 40	0 4	21 44	0s 0	11 20	0 44	22 32	0 59	15 34	7 4	17 29	17 55	4 12	4 41	2 52
S 3	7 38	10 17	1 37	6 7	0 48	19 7	0 56	23 56	0 46	22 39	0 4	21 43	0 0	11 19	0 44	22 32	0 59	15 34	7 4	17 28	17 54	4 8	4 39	2 51
M 4	8 0	16 19	0 17	7 4	0 38	19 29	0 59	23 55	0 48	22 39	0 4	21 43	0 0	11 19	0 44	22 32	0 59	15 35	7 4	17 28	17 54	4 5	4 36	2 51
T 5	8 22	21 16	1n 2	8 1	0 28	19 50	1 1	23 55	0 50	22 38	0 4	21 43	0 0	11 18	0 44	22 32	0 59	15 35	7 4	17 28	17 53	4 2	4 34	2 51
W 6	8 44	24 49	2 15	8 58	0 18	20 10	1 4	23 54	0 52	22 38	0 4	21 43	0 0	11 17	0 44	22 32	0 59	15 35	7 4	17 29	17 52	3 59	4 32	2 50
T 7	9 5	26 49	3 18	9 55	0 8	20 30	1 7	23 53	0 54	22 38	0 5	21 42	0 0	11 16	0 44	22 32	0 59	15 35	7 3	17 29	17 51	3 56	4 30	2 50
F 8	9 27	27 14	4 8	10 52	0n 3	20 50	1 10	23 53	0 56	22 37	0 5	21 42	0 1	11 15	0 44	22 32	0 59	15 36	7 3	17 29	17 50	3 52	4 28	2 49
S 9	9 49	26 10	4 45	11 48	0 14	21 9	1 13	23 52	0 58	22 37	0 5	21 42	0 1	11 14	0 44	22 32	0 59	15 36	7 3	17 30	17 49	3 49	4 26	2 49
S 10	10 10	23 49	5 7	12 43	0 25	21 27	1 16	23 51	1 0	22 37	0 5	21 42	0 1	11 13	0 44	22 32	0 59	15 36	7 3	17 29	17 48	3 46	4 24	2 48
M11	10 31	20 26	5 15	13 37	0 35	21 45	1 18	23 50	1 3	22 37	0 5	21 42	0 1	11 13	0 44	22 32	0 59	15 37	7 3	17 29	17 48	3 43	4 22	2 48
T 12	10 52	16 16	5 8	14 29	0 46	22 2	1 21	23 48	1 5	22 36	0 5	21 42	0 1	11 12	0 44	22 32	0 59	15 37	7 3	17 28	17 47	3 40	4 20	2 47
W13	11 13	11 30	4 49	15 20	0 56	22 19	1 24	23 47	1 7	22 36	0 5	21 41	0 1	11 11	0 44	22 32	0 59	15 37	7 2	17 28	17 46	3 37	4 18	2 47
T 14	11 33	6 21	4 17	16 9	1 7	22 35	1 26	23 46	1 9	22 36	0 6	21 41	0 1	11 10	0 44	22 32	0 59	15 37	7 2	17 27	17 45	3 33	4 16	2 47
F 15	11 54	0 59	3 34	16 57	1 16	22 50	1 29	23 45	1 12	22 36	0 6	21 41	0 1	11 9	0 44	22 32	0 59	15 38	7 2	17 26	17 44	3 30	4 14	2 46
S 16	12 14	4s27	2 42	17 42	1 26	23 5	1 31	23 43	1 14	22 36	0 6	21 41	0 1	11 9	0 45	22 32	0 59	15 38	7 2	17 25	17 43	3 27	4 12	2 46
S 17	12 34	9 47	1 43	18 25	1 35	23 19	1 34	23 42	1 16	22 35	0 6	21 41	0 1	11 8	0 45	22 32	0 59	15 38	7 2	17 25	17 42	3 24	4 10	2 45
M18	12 54	14 48	0 38	19 6	1 43	23 33	1 36	23 40	1 19	22 35	0 6	21 41	0 1	11 7	0 45	22 32	0 59	15 38	7 2	17 25	17 42	3 21	4 8	2 45
T 19	13 13	19 18	0s30	19 44	1 51	23 46	1 39	23 39	1 21	22 35	0 6	21 41	0 1	11 6	0 45	22 32	0 59	15 39	7 2	17 25	17 41	3 17	4 6	2 44
W20	13 33	23 2	1 37	20 20	1 58	23 58	1 41	23 37	1 24	22 35	0 6	21 41	0 2	11 6	0 45	22 32	0 59	15 39	7 1	17 25	17 40	3 14	4 4	2 44
T 21	13 52	25 44	2 40	20 53	2 4	24 10	1 43	23 36	1 26	22 35	0 7	21 41	0 2	11 5	0 45	22 32	0 59	15 39	7 1	17 25	17 39	3 11	4 2	2 43
F 22	14 11	27 9	3 37	21 24	2 10	24 21	1 46	23 34	1 29	22 35	0 7	21 41	0 2	11 4	0 45	22 32	0 59	15 40	7 1	17 25	17 38	3 8	4 1	2 43
S 23	14 30	27 6	4 23	21 52	2 15	24 31	1 48	23 33	1 32	22 35	0 7	21 41	0 2	11 4	0 45	22 32	0 59	15 40	7 1	17 26	17 37	3 5	3 59	2 42
S 24	14 48	25 30	4 57	22 18	2 19	24 41	1 50	23 31	1 34	22 35	0 7	21 41	0 2	11 3	0 45	22 32	0 59	15 40	7 1	17 26	17 36	3 1	3 57	2 42
M25	15 6	22 23	5 15	22 42	2 22	24 50	1 52	23 29	1 37	22 35	0 7	21 41	0 2	11 3	0 45	22 32	0 59	15 40	7 1	17 26	17 36	2 58	3 55	2 41
T 26	15 24	17 56	5 15	23 3	2 25	24 58	1 54	23 28	1 40	22 35	0 7	21 41	0 2	11 2	0 45	22 32	0 59	15 41	7 1	17 26	17 35	2 55	3 54	2 41
W27	15 42	12 23	4 55	23 21	2 26	25 6	1 56	23 26	1 43	22 35	0 8	21 41	0 2	11 1	0 45	22 32	0 59	15 41	7 0	17 26	17 34	2 52	3 52	2 40
T 28	16 0	6 4	4 16	23 37	2 27	25 13	1 58	23 24	1 45	22 35	0 8	21 41	0 2	11 1	0 45	22 32	0 59	15 41	7 0	17 25	17 33	2 48	3 50	2 40
F 29	16 17	0n40	3 20	23 52	2 27	25 19	2 0	23 23	1 48	22 36	0 8	21 41	0 2	11 0	0 45	22 32	0 59	15 41	7 0	17 25	17 32	2 45	3 49	2 39
S 30	16n34	7n25	2s11	24n 3	2n26	25n24	2n 2	23s21	1s51	22s36	0s 8	21s42	0s 2	11s 0	0s45	22s32	1n 0	15n42	7s 0	17n25	17n31	2n42	3s47	2s38

Julian Day Number = 2147029.5, Delta T = 14m37s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°06'56, Lahiri = 12°13'56 Julian Calendar 1 Apr. 1166 == Greg. Calendar 8 Apr. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

MAY 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 0 38	16♉29'11	9♉ 5	8♊38	24♊36	23♋45	16°R59	22°R32	3♓27	2°R22	14♊35	18°R32	18♉50	2♎ 0	3°R23	S 1
M 2	15 4 35	17°26'52	23°45	9°45	25°46	24°11	16♋58	22♋32	3°29	2♋21	14°36	18°D32	18°47	2° 7	3♎20	M 2
T 3	15 8 31	18°24'32	8♊ 8	10°48	26°55	24°37	16°57	22°31	3°30	2°20	14°37	18°R32	18°44	2°13	3°18	T 3
W 4	15 12 28	19°22'11	22°10	11°47	28° 5	25° 2	16°56	22°30	3°32	2°19	14°39	18♉32	18°41	2°20	3°16	W 4
T 5	15 16 24	20°19'49	5♋48	12°41	29°14	25°27	16°55	22°30	3°33	2°18	14°40	18°32	18°38	2°27	3°13	T 5
F 6	15 20 21	21°17'25	19° 2	13°32	0♌23	25°51	16°54	22°29	3°34	2°17	14°41	18°32	18°34	2°33	3°11	F 6
S 7	15 24 18	22°14'59	1♌52	14°19	1°32	26°16	16°52	22°28	3°35	2°15	14°43	18°31	18°31	2°40	3° 9	S 7
S 8	15 28 14	23°12'32	14°22	15° 1	2°41	26°39	16°51	22°26	3°37	2°14	14°44	18°31	18°28	2°47	3° 8	S 8
M 9	15 32 11	24°10'04	26°35	15°39	3°50	27° 3	16°49	22°25	3°38	2°13	14°45	18°D31	18°25	2°53	3° 6	M 9
T 10	15 36 7	25° 7'34	8♍36	16°12	4°59	27°26	16°47	22°24	3°39	2°12	14°47	18°31	18°22	3° 0	3° 4	T 10
W11	15 40 4	26° 5'02	20°30	16°41	6° 7	27°49	16°44	22°22	3°40	2°11	14°48	18°32	18°18	3° 7	3° 3	W11
T 12	15 44 0	27° 2'30	2♎20	17° 5	7°16	28°11	16°42	22°21	3°41	2° 9	14°49	18°32	18°15	3°14	3° 1	T 12
F 13	15 47 57	27°59'56	14°12	17°25	8°24	28°33	16°39	22°19	3°42	2° 8	14°51	18°33	18°12	3°20	3° 0	F 13
S 14	15 51 53	28°57'21	26° 8	17°40	9°33	28°55	16°37	22°18	3°43	2° 7	14°52	18°34	18° 9	3°27	2°58	S 14
S 15	15 55 50	29°54'45	8♏12	17°51	10°41	29°16	16°34	22°16	3°44	2° 6	14°54	18°35	18° 6	3°34	2°57	S 15
M16	15 59 47	0♊52'07	20°26	17°56	11°49	29°36	16°30	22°14	3°45	2° 4	14°55	18°R35	18° 3	3°40	2°56	M16
T 17	16 3 43	1°49'29	2♐53	17°R58	12°56	29°57	16°27	22°12	3°46	2° 3	14°56	18°35	17°59	3°47	2°55	T 17
W18	16 7 40	2°46'50	15°33	17°54	14° 4	0♒17	16°24	22°10	3°46	2° 2	14°58	18°34	17°56	3°54	2°55	W18
T 19	16 11 36	3°44'11	28°27	17°47	15°12	0°36	16°20	22° 8	3°47	2° 0	14°59	18°32	17°53	4° 0	2°54	T 19
F 20	16 15 33	4°41'30	11♑36	17°35	16°19	0°55	16°16	22° 6	3°48	1°59	15° 1	18°30	17°50	4° 7	2°53	F 20
S 21	16 19 29	5°38'49	24°58	17°19	17°26	1°13	16°12	22° 4	3°48	1°58	15° 2	18°28	17°47	4°14	2°53	S 21
S 22	16 23 26	6°36'07	8♒34	17° 0	18°33	1°31	16° 8	22° 1	3°49	1°56	15° 3	18°26	17°44	4°20	2°52	S 22
M23	16 27 22	7°33'25	22°22	16°37	19°40	1°48	16° 3	21°59	3°49	1°55	15° 5	18°24	17°40	4°27	2°52	M23
T 24	16 31 19	8°30'43	6♓22	16°11	20°47	2° 5	15°59	21°56	3°50	1°53	15° 6	18°D23	17°37	4°34	2°52	T 24
W25	16 35 16	9°28'00	20°32	15°42	21°54	2°21	15°54	21°54	3°50	1°52	15° 8	18°24	17°34	4°40	2°D52	W25
T 26	16 39 12	10°25'16	4♈50	15°11	23° 0	2°37	15°49	21°51	3°51	1°50	15° 9	18°25	17°31	4°47	2°52	T 26
F 27	16 43 9	11°22'32	19°14	14°39	24° 7	2°52	15°44	21°48	3°51	1°49	15°11	18°26	17°28	4°54	2°52	F 27
S 28	16 47 5	12°19'48	3♉41	14° 5	25°13	3° 7	15°39	21°45	3°51	1°47	15°12	18°27	17°24	5° 0	2°52	S 28
S 29	16 51 2	13°17'04	18° 5	13°31	26°19	3°21	15°34	21°42	3°51	1°46	15°13	18°R28	17°21	5° 7	2°53	S 29
M30	16 54 58	14°14'19	2♊23	12°57	27°24	3°34	15°29	21°39	3°52	1°44	15°15	18°27	17°18	5°14	2°53	M30
T 31	16 58 55	15♊11'34	16♊29	12♊24	28♋30	3♒47	15♋23	21♋36	3♓52	1♋43	15♊16	18♉25	17♉15	5♎21	2♎54	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n51	13n46	0s52	24n13	2n24	25n29	2n 3	23s19	1s54	22s36	0s 8	21s42	0s 3	10s59	0s45	22s32	1n 0	15n42	7s 0	17n25	17n30	2n39	3s46	2s38
M 2	17 7	19 16	0n29	24 21	2 22	25 34	2 5	23 18	1 57	22 36	0 8	21 42	0 3	10 59	0 45	22 32	1 0	15 42	7 0	17 25	17 29	2 36	3 44	2 37
T 3	17 23	23 31	1 47	24 26	2 18	25 37	2 6	23 16	2 0	22 37	0 9	21 42	0 3	10 58	0 45	22 32	1 0	15 42	7 0	17 25	17 29	2 32	3 43	2 37
W 4	17 39	26 15	2 56	24 30	2 13	25 40	2 8	23 15	2 3	22 37	0 9	21 42	0 3	10 58	0 45	22 32	1 0	15 43	7 0	17 25	17 28	2 29	3 41	2 36
T 5	17 55	27 18	3 53	24 32	2 8	25 42	2 9	23 13	2 6	22 37	0 9	21 43	0 3	10 57	0 45	22 32	1 0	15 43	7 0	17 25	17 27	2 26	3 40	2 36
F 6	18 10	26 45	4 36	24 32	2 1	25 43	2 10	23 11	2 9	22 37	0 9	21 43	0 3	10 57	0 45	22 32	1 0	15 43	6 59	17 25	17 26	2 23	3 39	2 35
S 7	18 25	24 46	5 4	24 30	1 54	25 44	2 12	23 10	2 13	22 38	0 9	21 43	0 3	10 56	0 45	22 32	1 0	15 43	6 59	17 25	17 25	2 19	3 37	2 35
S 8	18 40	21 38	5 16	24 27	1 46	25 44	2 13	23 9	2 16	22 38	0 9	21 43	0 3	10 56	0 45	22 32	1 0	15 44	6 59	17 25	17 24	2 16	3 36	2 34
M 9	18 54	17 37	5 14	24 22	1 36	25 43	2 14	23 7	2 19	22 39	0 9	21 44	0 3	10 56	0 45	22 32	1 0	15 44	6 59	17 25	17 23	2 13	3 35	2 34
T 10	19 8	12 59	4 58	24 16	1 26	25 42	2 15	23 6	2 23	22 39	0 10	21 44	0 3	10 55	0 45	22 32	1 0	15 44	6 59	17 25	17 22	2 10	3 34	2 33
W11	19 22	7 54	4 29	24 8	1 15	25 40	2 16	23 5	2 26	22 39	0 10	21 44	0 3	10 55	0 45	22 32	1 0	15 44	6 59	17 25	17 21	2 6	3 33	2 32
T 12	19 35	2 34	3 49	23 58	1 4	25 37	2 16	23 3	2 29	22 40	0 10	21 45	0 3	10 54	0 45	22 32	1 0	15 45	6 59	17 25	17 21	2 3	3 32	2 32
F 13	19 48	2s52	2 59	23 48	0 51	25 34	2 17	23 2	2 33	22 40	0 10	21 45	0 4	10 54	0 46	22 32	1 0	15 45	6 59	17 26	17 20	2 0	3 30	2 31
S 14	20 1	8 15	2 1	23 36	0 38	25 29	2 18	23 1	2 36	22 41	0 10	21 45	0 4	10 54	0 46	22 32	1 0	15 45	6 59	17 26	17 19	1 57	3 29	2 31
S 15	20 13	13 24	0 57	23 23	0 23	25 25	2 18	23 0	2 40	22 41	0 10	21 46	0 4	10 54	0 46	22 32	1 0	15 45	6 59	17 26	17 18	1 54	3 29	2 30
M16	20 26	18 6	0s10	23 8	0 9	25 19	2 18	22 59	2 44	22 42	0 11	21 46	0 4	10 53	0 46	22 32	1 0	15 46	6 58	17 26	17 17	1 50	3 28	2 30
T 17	20 37	22 7	1 18	22 53	0s 7	25 13	2 19	22 59	2 47	22 43	0 11	21 46	0 4	10 53	0 46	22 32	1 0	15 46	6 58	17 26	17 16	1 47	3 27	2 29
W18	20 49	25 9	2 24	22 37	0 23	25 6	2 19	22 58	2 51	22 43	0 11	21 47	0 4	10 53	0 46	22 32	1 0	15 46	6 58	17 26	17 15	1 44	3 26	2 28
T 19	21 0	26 55	3 23	22 20	0 39	24 59	2 19	22 57	2 55	22 44	0 11	21 47	0 4	10 53	0 46	22 32	1 0	15 46	6 58	17 25	17 14	1 41	3 25	2 28
F 20	21 10	27 14	4 12	22 2	0 56	24 51	2 19	22 57	2 58	22 44	0 11	21 48	0 4	10 52	0 46	22 32	1 0	15 47	6 58	17 25	17 13	1 37	3 24	2 27
S 21	21 21	25 58	4 49	21 44	1 13	24 42	2 19	22 56	3 2	22 45	0 11	21 48	0 4	10 52	0 46	22 32	1 0	15 47	6 58	17 24	17 13	1 34	3 24	2 27
S 22	21 31	23 12	5 11	21 25	1 30	24 32	2 18	22 56	3 6	22 46	0 12	21 49	0 4	10 52	0 46	22 32	1 0	15 47	6 58	17 23	17 12	1 31	3 23	2 26
M23	21 40	19 4	5 14	21 6	1 47	24 22	2 18	22 56	3 10	22 46	0 12	21 49	0 4	10 52	0 46	22 32	1 0	15 47	6 58	17 23	17 11	1 28	3 22	2 26
T 24	21 49	13 51	5 0	20 46	2 4	24 12	2 17	22 56	3 14	22 47	0 12	21 50	0 5	10 52	0 46	22 32	1 0	15 47	6 58	17 23	17 10	1 24	3 22	2 25
W25	21 58	7 51	4 27	20 27	2 21	24 1	2 17	22 56	3 18	22 48	0 12	21 50	0 5	10 52	0 46	22 32	1 0	15 48	6 58	17 23	17 9	1 21	3 21	2 25
T 26	22 7	1 24	3 38	20 7	2 37	23 49	2 16	22 56	3 22	22 49	0 12	21 51	0 5	10 52	0 46	22 32	1 0	15 48	6 58	17 23	17 8	1 18	3 21	2 24
F 27	22 15	5n11	2 34	19 48	2 52	23 36	2 15	22 57	3 26	22 49	0 12	21 51	0 5	10 51	0 46	22 32	1 0	15 48	6 58	17 24	17 7	1 15	3 20	2 23
S 28	22 23	11 32	1 20	19 30	3 7	23 24	2 14	22 57	3 30	22 50	0 13	21 52	0 5	10 51	0 46	22 32	1 0	15 48	6 58	17 24	17 6	1 11	3 20	2 23
S 29	22 30	17 16	0 2	19 12	3 21	23 10	2 13	22 58	3 34	22 51	0 13	21 52	0 5	10 51	0 46	22 32	1 0	15 48	6 58	17 24	17 5	1 8	3 19	2 22
M30	22 37	21 58	1n16	18 56	3 33	22 56	2 12	22 59	3 39	22 52	0 13	21 53	0 5	10 51	0 46	22 32	1 0	15 49	6 57	17 24	17 5	1 5	3 19	2 22
T 31	22n43	25n19	2n28	18n40	3s45	22n41	2n11	23s 0	3s43	22s52	0s13	21s54	0s 5	10s51	0s46	22s33	1n 0	15n49	6s57	17n23	17n 4	1n 2	3s19	2s21

Julian Day Number = 2147059.5, Delta T = 14m37s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'00, Lahiri = 12°14'00 Julian Calendar 1 May 1166 == Greg. Calendar 8 May 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

JUNE 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 2 51	16♊ 8'49	0♋20	11°R52	29♋35	3♒59	15°R17	21°R33	3♓52	1°R41	15♊18	18°R22	17♉12	5♎27	2♎55	W 1
T 2	17 6 48	17° 6'03	13°51	11♊21	0♌41	4°11	15♂11	21♂30	3°R52	1♂40	15°19	18♉18	17° 9	5°34	2°55	T 2
F 3	17 10 45	18° 3'16	27° 2	10°53	1°46	4°22	15° 5	21°27	3°52	1°38	15°21	18°14	17° 5	5°41	2°56	F 3
S 4	17 14 41	19° 0'29	9♌52	10°28	2°51	4°32	14°59	21°23	3°52	1°37	15°22	18° 9	17° 2	5°47	2°57	S 4
S 5	17 18 38	19°57'41	22°23	10° 6	3°55	4°41	14°53	21°20	3°51	1°35	15°23	18° 5	16°59	5°54	2°59	S 5
M 6	17 22 34	20°54'53	4♍38	9°47	5° 0	4°50	14°47	21°17	3°51	1°33	15°25	18° 3	16°56	6° 1	3° 0	M 6
T 7	17 26 31	21°52'04	16°40	9°32	6° 4	4°58	14°40	21°13	3°51	1°32	15°26	18°D 1	16°53	6° 7	3° 1	T 7
W 8	17 30 27	22°49'14	28°34	9°22	7° 8	5° 6	14°34	21°10	3°51	1°30	15°28	18° 1	16°50	6°14	3° 3	W 8
T 9	17 34 24	23°46'25	10♎24	9°16	8°11	5°12	14°27	21° 6	3°51	1°29	15°29	18° 2	16°46	6°21	3° 4	T 9
F 10	17 38 21	24°43'34	22°17	9°D14	9°15	5°18	14°20	21° 2	3°50	1°27	15°31	18° 4	16°43	6°27	3° 6	F 10
S 11	17 42 17	25°40'44	4♏16	9°18	10°18	5°24	14°13	20°58	3°50	1°25	15°32	18° 6	16°40	6°34	3° 8	S 11
S 12	17 46 14	26°37'53	16°25	9°26	11°21	5°28	14° 6	20°55	3°49	1°24	15°33	18°R 6	16°37	6°41	3°10	S 12
M13	17 50 10	27°35'02	28°49	9°39	12°23	5°32	13°59	20°51	3°49	1°22	15°35	18° 6	16°34	6°47	3°12	M13
T 14	17 54 7	28°32'10	11♐30	9°57	13°26	5°35	13°52	20°47	3°48	1°21	15°36	18° 4	16°30	6°54	3°14	T 14
W15	17 58 3	29°29'19	24°29	10°20	14°28	5°38	13°45	20°43	3°48	1°19	15°38	17°59	16°27	7° 1	3°16	W15
T 16	18 2 0	0♋26'28	7♑46	10°48	15°30	5°39	13°38	20°39	3°47	1°17	15°39	17°54	16°24	7° 7	3°19	T 16
F 17	18 5 56	1°23'37	21°19	11°21	16°31	5°40	13°30	20°35	3°46	1°16	15°40	17°47	16°21	7°14	3°21	F 17
S 18	18 9 53	2°20'46	5♒ 7	11°59	17°32	5°R40	13°23	20°31	3°46	1°14	15°42	17°40	16°18	7°21	3°24	S 18
S 19	18 13 50	3°17'55	19° 5	12°41	18°33	5°40	13°15	20°27	3°45	1°13	15°43	17°34	16°15	7°27	3°27	S 19
M20	18 17 46	4°15'05	3♓11	13°29	19°34	5°38	13° 8	20°23	3°44	1°11	15°44	17°28	16°11	7°34	3°29	M20
T 21	18 21 43	5°12'15	17°21	14°21	20°34	5°36	13° 0	20°18	3°43	1° 9	15°46	17°25	16° 8	7°41	3°32	T 21
W22	18 25 39	6° 9'25	1♈32	15°18	21°34	5°33	12°53	20°14	3°42	1° 8	15°47	17°D24	16° 5	7°47	3°35	W22
T 23	18 29 36	7° 6'36	15°42	16°20	22°33	5°29	12°45	20°10	3°41	1° 6	15°49	17°24	16° 2	7°54	3°38	T 23
F 24	18 33 32	8° 3'48	29°50	17°26	23°33	5°25	12°37	20° 6	3°40	1° 4	15°50	17°25	15°59	8° 1	3°42	F 24
S 25	18 37 29	9° 1'00	13♉54	18°37	24°31	5°20	12°30	20° 1	3°39	1° 3	15°51	17°R26	15°55	8° 7	3°45	S 25
S 26	18 41 25	9°58'13	27°53	19°52	25°30	5°14	12°22	19°57	3°38	1° 1	15°53	17°25	15°52	8°14	3°48	S 26
M27	18 45 22	10°55'27	11♊45	21°11	26°28	5° 7	12°14	19°53	3°37	1° 0	15°54	17°23	15°49	8°21	3°52	M27
T 28	18 49 19	11°52'41	25°28	22°35	27°25	4°59	12° 7	19°48	3°36	0°58	15°55	17°18	15°46	8°27	3°55	T 28
W29	18 53 15	12°49'56	8♋58	24° 3	28°23	4°51	11°59	19°44	3°35	0°57	15°56	17°11	15°43	8°34	3°59	W29
T 30	18 57 12	13♋47'11	22♋14	25♊35	29♌19	4♒42	11♂51	19♂40	3♓33	0♂55	15♊58	17♉ 2	15♉40	8♎41	4♎ 3	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n49	27n 3	3n30	18n26	3s55	22n26	2n 9	23s 1	3s47	22s53	0s13	21s54	0s 5	10s51	0s46	22s33	1n 0	15n49	6s57	17n23	17n 3	0n58	3s19	2s21
T 2	22 55	27 6	4 18	18 13	4 4	22 11	2 8	23 3	3 52	22 54	0 13	21 55	0 5	10 51	0 46	22 33	1 0	15 49	6 57	17 21	17 2	0 55	3 18	2 20
F 3	23 1	25 37	4 51	18 2	4 12	21 54	2 6	23 4	3 56	22 55	0 14	21 55	0 6	10 51	0 46	22 33	1 0	15 49	6 57	17 20	17 1	0 52	3 18	2 19
S 4	23 6	22 49	5 9	17 52	4 18	21 38	2 4	23 6	4 0	22 56	0 14	21 56	0 6	10 51	0 46	22 33	1 0	15 50	6 57	17 19	17 0	0 49	3 18	2 19
S 5	23 10	19 1	5 12	17 44	4 22	21 21	2 2	23 8	4 5	22 57	0 14	21 57	0 6	10 52	0 46	22 33	1 0	15 50	6 57	17 18	16 59	0 45	3 18	2 18
M 6	23 14	14 30	4 59	17 38	4 26	21 3	2 0	23 10	4 9	22 58	0 14	21 57	0 6	10 52	0 46	22 33	1 0	15 50	6 57	17 17	16 58	0 42	3 18	2 18
T 7	23 18	9 30	4 34	17 34	4 28	20 45	1 58	23 12	4 14	22 58	0 14	21 58	0 6	10 52	0 46	22 33	1 0	15 50	6 57	17 17	16 57	0 39	3 18	2 17
W 8	23 21	4 12	3 58	17 32	4 28	20 26	1 56	23 15	4 18	22 59	0 14	21 58	0 6	10 52	0 47	22 33	1 0	15 50	6 57	17 17	16 56	0 35	3 18	2 17
T 9	23 24	1s13	3 11	17 32	4 27	20 7	1 53	23 18	4 23	23 0	0 15	21 59	0 6	10 52	0 47	22 33	1 0	15 51	6 57	17 17	16 55	0 32	3 18	2 16
F 10	23 27	6 36	2 16	17 34	4 25	19 48	1 51	23 21	4 27	23 1	0 15	22 0	0 6	10 52	0 47	22 33	1 0	15 51	6 57	17 17	16 55	0 29	3 19	2 15
S 11	23 29	11 50	1 15	17 38	4 22	19 28	1 48	23 24	4 32	23 2	0 15	22 0	0 6	10 52	0 47	22 33	1 0	15 51	6 57	17 18	16 54	0 26	3 19	2 15
S 12	23 30	16 41	0 9	17 44	4 17	19 8	1 45	23 27	4 36	23 3	0 15	22 1	0 6	10 53	0 47	22 33	1 0	15 51	6 57	17 18	16 53	0 22	3 19	2 14
M13	23 32	20 56	0s58	17 51	4 12	18 47	1 42	23 30	4 41	23 4	0 15	22 2	0 6	10 53	0 47	22 33	1 0	15 51	6 57	17 18	16 52	0 19	3 19	2 14
T 14	23 32	24 18	2 4	18 0	4 5	18 27	1 39	23 34	4 45	23 5	0 15	22 3	0 7	10 53	0 47	22 33	1 0	15 51	6 57	17 17	16 51	0 16	3 20	2 13
W15	23 33	26 30	3 4	18 11	3 58	18 5	1 35	23 38	4 50	23 6	0 16	22 3	0 7	10 53	0 47	22 33	1 0	15 51	6 57	17 16	16 50	0 13	3 20	2 13
T 16	23 33	27 15	3 56	18 23	3 49	17 44	1 32	23 42	4 54	23 7	0 16	22 4	0 7	10 54	0 47	22 33	1 0	15 52	6 57	17 15	16 49	0 9	3 21	2 12
F 17	23 32	26 24	4 36	18 36	3 40	17 22	1 28	23 46	4 59	23 7	0 16	22 5	0 7	10 54	0 47	22 33	1 0	15 52	6 57	17 13	16 48	0 6	3 21	2 12
S 18	23 32	23 56	5 1	18 51	3 30	16 59	1 25	23 50	5 4	23 8	0 16	22 5	0 7	10 54	0 47	22 33	1 0	15 52	6 57	17 11	16 47	0 3	3 22	2 11
S 19	23 30	20 2	5 8	19 7	3 20	16 37	1 21	23 55	5 8	23 9	0 16	22 6	0 7	10 54	0 47	22 33	1 0	15 52	6 57	17 9	16 46	0s 0	3 22	2 11
M20	23 29	14 59	4 57	19 24	3 9	16 14	1 17	23 59	5 13	23 10	0 16	22 7	0 7	10 55	0 47	22 33	1 0	15 52	6 57	17 7	16 45	0 4	3 23	2 10
T 21	23 27	9 7	4 27	19 42	2 57	15 51	1 13	24 4	5 17	23 11	0 17	22 7	0 7	10 55	0 47	22 33	1 0	15 52	6 57	17 7	16 45	0 7	3 23	2 9
W22	23 24	2 47	3 42	20 0	2 45	15 27	1 8	24 9	5 21	23 12	0 17	22 8	0 7	10 56	0 47	22 33	1 0	15 52	6 57	17 6	16 44	0 10	3 24	2 9
T 23	23 21	3n43	2 42	20 19	2 33	15 4	1 4	24 15	5 26	23 13	0 17	22 9	0 7	10 56	0 47	22 33	1 0	15 53	6 57	17 6	16 43	0 14	3 25	2 8
F 24	23 18	10 0	1 33	20 38	2 20	14 40	0 59	24 20	5 30	23 14	0 17	22 10	0 7	10 56	0 47	22 33	1 0	15 53	6 57	17 6	16 42	0 17	3 26	2 8
S 25	23 14	15 47	0 19	20 57	2 7	14 16	0 54	24 25	5 34	23 15	0 17	22 10	0 8	10 57	0 47	22 33	1 0	15 53	6 57	17 7	16 41	0 20	3 27	2 7
S 26	23 10	20 41	0n56	21 16	1 54	13 51	0 49	24 31	5 39	23 16	0 17	22 11	0 8	10 57	0 47	22 33	1 0	15 53	6 57	17 7	16 40	0 23	3 27	2 7
M27	23 6	24 24	2 7	21 35	1 40	13 27	0 44	24 37	5 43	23 16	0 17	22 12	0 8	10 58	0 47	22 33	1 0	15 53	6 57	17 6	16 39	0 27	3 28	2 6
T 28	23 1	26 37	3 9	21 54	1 27	13 2	0 39	24 42	5 47	23 17	0 18	22 13	0 8	10 58	0 47	22 33	1 0	15 53	6 57	17 5	16 38	0 30	3 29	2 6
W29	22 56	27 14	4 0	22 12	1 13	12 37	0 34	24 48	5 51	23 18	0 18	22 13	0 8	10 59	0 47	22 33	1 0	15 53	6 57	17 3	16 37	0 33	3 30	2 5
T 30	22n50	26n15	4n37	22n28	1s 0	12n12	0n28	24s54	5s55	23s19	0s18	22s14	0s 8	10s59	0s47	22s33	0n59	15n53	6s57	17n 0	16n36	0s37	3s31	2s 5

Julian Day Number = 2147090.5, Delta T = 14m37s
Ecliptic obliquity = 23°32'56, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'04, Lahiri = 12°14'05 Julian Calendar 1 June 1166 == Greg. Calendar 8 June 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

JULY 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 1 8	14♋44'27	5♌14	27♊12	0♍16	4°R33	11°R43	19°R35	3°R32	0°R53	15♊59	16°R52	15♉36	8♎48	4♎ 7	F 1
S 2	19 5 5	15°41'43	17°57	28°51	1°11	4♒23	11♑36	19♑31	3♓31	0♑52	16° 0	16♉42	15°33	8°54	4°11	S 2
S 3	19 9 1	16°38'59	0♍24	0♋35	2° 7	4°12	11°28	19°26	3°29	0°50	16° 2	16°33	15°30	9° 1	4°15	S 3
M 4	19 12 58	17°36'16	12°36	2°22	3° 2	4° 0	11°20	19°22	3°28	0°49	16° 3	16°26	15°27	9° 8	4°19	M 4
T 5	19 16 54	18°33'33	24°36	4°12	3°56	3°48	11°13	19°17	3°26	0°47	16° 4	16°21	15°24	9°14	4°24	T 5
W 6	19 20 51	19°30'51	6♎29	6° 5	4°50	3°36	11° 5	19°13	3°25	0°46	16° 5	16°18	15°21	9°21	4°28	W 6
T 7	19 24 48	20°28'09	18°18	8° 1	5°43	3°23	10°57	19° 9	3°23	0°44	16° 7	16°D17	15°17	9°28	4°32	T 7
F 8	19 28 44	21°25'28	0♏10	9°59	6°35	3°10	10°50	19° 4	3°22	0°43	16° 8	16°17	15°14	9°34	4°37	F 8
S 9	19 32 41	22°22'47	12°10	11°59	7°27	2°56	10°42	19° 0	3°20	0°41	16° 9	16°R18	15°11	9°41	4°42	S 9
S 10	19 36 37	23°20'06	24°22	14° 1	8°19	2°41	10°35	18°55	3°19	0°40	16°10	16°18	15° 8	9°48	4°46	S 10
M11	19 40 34	24°17'27	6♐51	16° 4	9°10	2°27	10°28	18°51	3°17	0°38	16°11	16°16	15° 5	9°54	4°51	M11
T 12	19 44 30	25°14'48	19°41	18° 9	10° 0	2°12	10°20	18°46	3°15	0°37	16°12	16°12	15° 1	10° 1	4°56	T 12
W13	19 48 27	26°12'10	2♑54	20°14	10°49	1°57	10°13	18°42	3°14	0°35	16°14	16° 5	14°58	10° 8	5° 1	W13
T 14	19 52 23	27° 9'32	16°31	22°19	11°37	1°41	10° 6	18°38	3°12	0°34	16°15	15°56	14°55	10°14	5° 6	T 14
F 15	19 56 20	28° 6'56	0♒28	24°24	12°25	1°26	9°59	18°33	3°10	0°33	16°16	15°46	14°52	10°21	5°11	F 15
S 16	20 0 17	29° 4'20	14°42	26°30	13°12	1°10	9°52	18°29	3° 8	0°31	16°17	15°35	14°49	10°28	5°17	S 16
S 17	20 4 13	0♌ 1'46	29° 7	28°35	13°59	0°54	9°45	18°25	3° 6	0°30	16°18	15°25	14°46	10°34	5°22	S 17
M18	20 8 10	0°59'12	13♓37	0♌39	14°44	0°38	9°39	18°20	3° 4	0°29	16°19	15°16	14°42	10°41	5°27	M18
T 19	20 12 6	1°56'40	28° 5	2°42	15°28	0°22	9°32	18°16	3° 2	0°27	16°20	15°10	14°39	10°48	5°33	T 19
W20	20 16 3	2°54'09	12♈28	4°45	16°12	0° 6	9°25	18°12	3° 1	0°26	16°21	15° 7	14°36	10°54	5°39	W20
T 21	20 19 59	3°51'40	26°41	6°46	16°55	29♑51	9°19	18° 8	2°59	0°25	16°22	15° 6	14°33	11° 1	5°44	T 21
F 22	20 23 56	4°49'12	10♉43	8°47	17°36	29°35	9°13	18° 4	2°57	0°23	16°23	15° 6	14°30	11° 8	5°50	F 22
S 23	20 27 52	5°46'46	24°35	10°46	18°17	29°19	9° 6	17°59	2°54	0°22	16°24	15° 6	14°27	11°14	5°56	S 23
S 24	20 31 49	6°44'21	8♊15	12°43	18°57	29° 4	9° 0	17°55	2°52	0°21	16°25	15° 4	14°23	11°21	6° 2	S 24
M25	20 35 46	7°41'58	21°45	14°40	19°35	28°49	8°54	17°51	2°50	0°20	16°26	15° 0	14°20	11°28	6° 8	M25
T 26	20 39 42	8°39'36	5♋ 4	16°35	20°13	28°34	8°49	17°47	2°48	0°18	16°27	14°54	14°17	11°34	6°14	T 26
W27	20 43 39	9°37'15	18°12	18°28	20°49	28°19	8°43	17°43	2°46	0°17	16°28	14°44	14°14	11°41	6°20	W27
T 28	20 47 35	10°34'56	1♌ 8	20°20	21°24	28° 5	8°37	17°39	2°44	0°16	16°29	14°32	14°11	11°48	6°26	T 28
F 29	20 51 32	11°32'39	13°51	22°11	21°58	27°52	8°32	17°35	2°42	0°15	16°30	14°19	14° 7	11°54	6°32	F 29
S 30	20 55 28	12°30'22	26°22	24° 0	22°30	27°38	8°27	17°32	2°40	0°14	16°31	14° 6	14° 4	12° 1	6°39	S 30
S 31	20 59 25	13♌28'07	8♍40	25♌48	23♍ 1	27♑26	8♑22	17♑28	2♓37	0♑13	16♊32	13♉54	14♉ 1	12♎ 8	6♎45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n44	23n52	4n58	22n44	0s47	11n47	0n23	25s 0	5s58	23s20	0s18	22s15	0s 8	11s 0	0s47	22s33	0n59	15n54	6s57	16n57	16n35	0s40	3s32	2s 4
S 2	22 37	20 20	5 4	22 59	0 34	11 22	0 17	25 6	6 2	23 21	0 18	22 15	0 8	11 0	0 47	22 33	0 59	15 54	6 57	16 54	16 34	0 43	3 34	2 4
S 3	22 30	15 59	4 56	23 12	0 21	10 56	0 11	25 13	6 6	23 21	0 18	22 16	0 8	11 1	0 47	22 33	0 59	15 54	6 57	16 52	16 33	0 46	3 35	2 3
M 4	22 23	11 4	4 34	23 23	0 8	10 31	0 5	25 19	6 9	23 22	0 18	22 17	0 8	11 1	0 47	22 33	0 59	15 54	6 57	16 50	16 33	0 50	3 36	2 3
T 5	22 15	5 49	4 0	23 33	0n 4	10 5	0s 2	25 25	6 13	23 23	0 19	22 18	0 8	11 2	0 47	22 33	0 59	15 54	6 57	16 48	16 32	0 53	3 37	2 2
W 6	22 7	0 25	3 16	23 40	0 16	9 39	0 8	25 31	6 16	23 24	0 19	22 18	0 9	11 2	0 48	22 33	0 59	15 54	6 57	16 47	16 31	0 56	3 39	2 2
T 7	21 59	5s 0	2 24	23 45	0 27	9 14	0 15	25 37	6 19	23 25	0 19	22 19	0 9	11 3	0 48	22 33	0 59	15 54	6 57	16 47	16 30	1 0	3 40	2 1
F 8	21 50	10 15	1 25	23 47	0 37	8 48	0 22	25 43	6 22	23 25	0 19	22 20	0 9	11 3	0 48	22 34	0 59	15 54	6 57	16 47	16 29	1 3	3 41	2 1
S 9	21 41	15 12	0 22	23 47	0 47	8 22	0 29	25 49	6 25	23 26	0 19	22 21	0 9	11 4	0 48	22 34	0 59	15 54	6 57	16 47	16 28	1 6	3 43	2 0
S 10	21 31	19 38	0s43	23 44	0 56	7 56	0 36	25 55	6 27	23 27	0 19	22 21	0 9	11 5	0 48	22 34	0 59	15 54	6 57	16 47	16 27	1 9	3 44	2 0
M11	21 21	23 19	1 47	23 39	1 5	7 30	0 43	26 1	6 30	23 27	0 19	22 22	0 9	11 5	0 48	22 34	0 59	15 54	6 57	16 47	16 26	1 13	3 46	1 59
T 12	21 11	25 56	2 48	23 31	1 12	7 5	0 50	26 7	6 32	23 28	0 20	22 23	0 9	11 6	0 48	22 34	0 59	15 54	6 58	16 46	16 25	1 16	3 47	1 59
W13	21 0	27 12	3 41	23 20	1 19	6 39	0 58	26 12	6 34	23 29	0 20	22 23	0 9	11 7	0 48	22 34	0 59	15 55	6 58	16 44	16 24	1 19	3 49	1 58
T 14	20 49	26 53	4 23	23 6	1 25	6 13	1 6	26 18	6 36	23 30	0 20	22 24	0 9	11 7	0 48	22 34	0 59	15 55	6 58	16 41	16 23	1 23	3 50	1 58
F 15	20 38	24 53	4 51	22 49	1 31	5 48	1 14	26 23	6 38	23 30	0 20	22 25	0 9	11 8	0 48	22 34	0 59	15 55	6 58	16 38	16 22	1 26	3 52	1 57
S 16	20 26	21 18	5 1	22 31	1 35	5 22	1 22	26 28	6 39	23 31	0 20	22 25	0 9	11 9	0 48	22 34	0 59	15 55	6 58	16 35	16 21	1 29	3 54	1 57
S 17	20 14	16 24	4 53	22 9	1 39	4 57	1 30	26 33	6 41	23 31	0 20	22 26	0 10	11 9	0 48	22 34	0 59	15 55	6 58	16 32	16 20	1 32	3 55	1 56
M18	20 2	10 33	4 26	21 46	1 42	4 32	1 38	26 38	6 42	23 32	0 20	22 27	0 10	11 10	0 48	22 34	0 59	15 55	6 58	16 29	16 19	1 36	3 57	1 56
T 19	19 49	4 9	3 42	21 20	1 44	4 6	1 47	26 43	6 43	23 33	0 20	22 27	0 10	11 11	0 48	22 34	0 59	15 55	6 58	16 28	16 18	1 39	3 59	1 55
W20	19 36	2n26	2 44	20 52	1 46	3 41	1 56	26 47	6 44	23 33	0 21	22 28	0 10	11 11	0 48	22 34	0 59	15 55	6 58	16 27	16 18	1 42	4 1	1 55
T 21	19 23	8 51	1 36	20 23	1 47	3 17	2 5	26 51	6 44	23 34	0 21	22 29	0 10	11 12	0 48	22 34	0 59	15 55	6 58	16 26	16 17	1 46	4 2	1 54
F 22	19 9	14 45	0 23	19 52	1 47	2 52	2 14	26 55	6 45	23 34	0 21	22 29	0 10	11 13	0 48	22 34	0 59	15 55	6 58	16 26	16 16	1 49	4 4	1 54
S 23	18 55	19 49	0n50	19 19	1 46	2 28	2 23	26 59	6 45	23 35	0 21	22 30	0 10	11 14	0 48	22 34	0 59	15 55	6 58	16 26	16 15	1 52	4 6	1 54
S 24	18 40	23 45	1 59	18 45	1 45	2 4	2 32	27 2	6 45	23 35	0 21	22 31	0 10	11 14	0 48	22 34	0 59	15 55	6 58	16 26	16 14	1 55	4 8	1 53
M25	18 26	26 18	3 1	18 9	1 43	1 40	2 42	27 5	6 45	23 36	0 21	22 31	0 10	11 15	0 48	22 34	0 59	15 55	6 58	16 25	16 13	1 59	4 10	1 53
T 26	18 11	27 18	3 51	17 33	1 41	1 16	2 51	27 8	6 44	23 36	0 21	22 32	0 10	11 16	0 48	22 34	0 59	15 55	6 58	16 23	16 12	2 2	4 12	1 52
W27	17 55	26 45	4 29	16 55	1 38	0 53	3 1	27 10	6 44	23 37	0 21	22 32	0 10	11 17	0 48	22 34	0 59	15 55	6 58	16 20	16 11	2 5	4 14	1 52
T 28	17 40	24 44	4 52	16 16	1 35	0 30	3 11	27 13	6 43	23 37	0 21	22 33	0 10	11 18	0 48	22 34	0 59	15 55	6 59	16 16	16 10	2 9	4 16	1 51
F 29	17 24	21 31	5 0	15 37	1 31	0 7	3 21	27 15	6 42	23 38	0 21	22 34	0 11	11 18	0 48	22 34	0 59	15 55	6 59	16 13	16 9	2 12	4 18	1 51
S 30	17 8	17 22	4 53	14 57	1 27	0s15	3 32	27 16	6 41	23 38	0 22	22 34	0 11	11 19	0 48	22 34	0 59	15 55	6 59	16 9	16 8	2 15	4 20	1 50
S 31	16n51	12n34	4n33	14n16	1n22	0s37	3s42	27s18	6s40	23s39	0s22	22s35	0s11	11s20	0s48	22s34	0n59	15n55	6s59	16n 5	16n 7	2s19	4s23	1s50

Julian Day Number = 2147120.5, Delta T = 14m37s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'08, Lahiri = 12°14'09 Julian Calendar 1 July 1166 == Greg. Calendar 8 July 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

AUGUST 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 3 22	14♌25'53	20♍45	27♌34	23♍31	27°R14	8°R17	17°R24	2°R35	0°R12	16♊33	13°R43	13♉58	12♎14	6♎52	M 1
T 2	21 7 18	15°23'41	2♎42	29°19	23°59	27♏ 2	8♏12	17♏20	2♓33	0♏11	16°33	13♉36	13°55	12°21	6°58	T 2
W 3	21 11 15	16°21'30	14°32	1♍ 3	24°26	26°51	8° 7	17°17	2°31	0°10	16°34	13°31	13°52	12°28	7° 5	W 3
T 4	21 15 11	17°19'20	26°19	2°45	24°51	26°41	8° 3	17°13	2°28	0° 9	16°35	13°28	13°48	12°34	7°11	T 4
F 5	21 19 8	18°17'11	8♏10	4°26	25°14	26°31	7°59	17°10	2°26	0° 8	16°36	13°28	13°45	12°41	7°18	F 5
S 6	21 23 4	19°15'03	20° 7	6° 6	25°36	26°22	7°54	17° 6	2°24	0° 7	16°37	13°27	13°42	12°48	7°25	S 6
S 7	21 27 1	20°12'57	2♐18	7°44	25°55	26°14	7°50	17° 3	2°21	0° 6	16°37	13°27	13°39	12°54	7°32	S 7
M 8	21 30 57	21°10'53	14°47	9°21	26°13	26° 7	7°47	17° 0	2°19	0° 5	16°38	13°25	13°36	13° 1	7°39	M 8
T 9	21 34 54	22° 8'49	27°40	10°56	26°29	26° 0	7°43	16°57	2°17	0° 4	16°39	13°21	13°33	13° 8	7°46	T 9
W10	21 38 51	23° 6'47	10♑58	12°30	26°44	25°54	7°40	16°53	2°14	0° 3	16°39	13°15	13°29	13°14	7°53	W10
T 11	21 42 47	24° 4'47	24°45	14° 3	26°56	25°49	7°36	16°50	2°12	0° 3	16°40	13° 6	13°26	13°21	8° 0	T 11
F 12	21 46 44	25° 2'48	8♒57	15°35	27° 6	25°44	7°33	16°47	2°10	0° 2	16°41	12°56	13°23	13°28	8° 7	F 12
S 13	21 50 40	26° 0'50	23°31	17° 5	27°13	25°40	7°30	16°44	2° 7	0° 1	16°41	12°44	13°20	13°34	8°14	S 13
S 14	21 54 37	26°58'54	8♓19	18°34	27°19	25°38	7°28	16°42	2° 5	0° 0	16°42	12°34	13°17	13°41	8°22	S 14
M15	21 58 33	27°57'00	23°13	20° 1	27°22	25°35	7°25	16°39	2° 3	29♐59	16°43	12°25	13°13	13°48	8°29	M15
T 16	22 2 30	28°55'08	8♈ 5	21°28	27°R23	25°34	7°23	16°36	2° 0	29°59	16°43	12°19	13°10	13°54	8°36	T 16
W17	22 6 26	29°53'17	22°46	22°53	27°22	25°D34	7°21	16°33	1°58	29°59	16°44	12°16	13° 7	14° 1	8°44	W17
T 18	22 10 23	0♍51'29	7♉13	24°16	27°19	25°34	7°19	16°31	1°55	29°58	16°44	12°D14	13° 4	14° 8	8°51	T 18
F 19	22 14 19	1°49'43	21°21	25°38	27°13	25°35	7°17	16°28	1°53	29°57	16°45	12°14	13° 1	14°14	8°59	F 19
S 20	22 18 16	2°47'59	5♊11	26°59	27° 4	25°37	7°15	16°26	1°51	29°57	16°45	12°R15	12°58	14°21	9° 6	S 20
S 21	22 22 13	3°46'17	18°44	28°18	26°54	25°40	7°14	16°24	1°48	29°56	16°46	12°14	12°54	14°28	9°14	S 21
M22	22 26 9	4°44'38	2♋ 0	29°36	26°41	25°43	7°13	16°22	1°46	29°56	16°46	12°11	12°51	14°34	9°22	M22
T 23	22 30 6	5°43'00	15° 2	0♎52	26°25	25°47	7°12	16°19	1°43	29°55	16°46	12° 5	12°48	14°41	9°29	T 23
W24	22 34 2	6°41'25	27°51	2° 6	26° 8	25°52	7°11	16°17	1°41	29°55	16°47	11°57	12°45	14°48	9°37	W24
T 25	22 37 59	7°39'51	10♌28	3°19	25°48	25°58	7°10	16°15	1°39	29°55	16°47	11°47	12°42	14°54	9°45	T 25
F 26	22 41 55	8°38'20	22°55	4°30	25°26	26° 5	7°10	16°14	1°36	29°54	16°48	11°35	12°39	15° 1	9°53	F 26
S 27	22 45 52	9°36'51	5♍11	5°39	25° 2	26°12	7°10	16°12	1°34	29°54	16°48	11°24	12°35	15° 8	10° 1	S 27
S 28	22 49 48	10°35'23	17°17	6°46	24°35	26°21	7°D 9	16°10	1°31	29°54	16°48	11°13	12°32	15°14	10° 8	S 28
M29	22 53 45	11°33'57	29°16	7°51	24° 7	26°30	7°10	16° 9	1°29	29°53	16°48	11° 4	12°29	15°21	10°16	M29
T 30	22 57 42	12°32'33	11♎ 7	8°54	23°37	26°39	7°10	16° 7	1°27	29°53	16°49	10°57	12°26	15°28	10°24	T 30
W31	23 1 38	13♍31'12	22♎55	9♎54	23♍ 6	26♏50	7♏10	16♏ 6	1♓24	29♐53	16♊49	10♉53	12♉23	15♎34	10♎32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n35	7n22	4n 0	13n35	1n17	0s58	3s52	27s19	6s38	23s39	0s22	22s35	0s11	11s21	0s48	22s34	0n59	15n55	6s59	16n 2	16n 6	2s22	4s25	1s50
T 2	16 18	1 57	3 18	12 53	1 12	1 19	4 3	27 19	6 36	23 39	0 22	22 36	0 11	11 22	0 48	22 34	0 59	15 55	6 59	16 0	16 5	2 25	4 27	1 49
W 3	16 0	3s30	2 27	12 11	1 7	1 39	4 14	27 20	6 35	23 40	0 22	22 36	0 11	11 23	0 48	22 34	0 59	15 55	6 59	15 58	16 4	2 28	4 29	1 49
T 4	15 43	8 49	1 29	11 29	1 1	1 59	4 25	27 20	6 33	23 40	0 22	22 37	0 11	11 23	0 48	22 34	0 59	15 55	6 59	15 57	16 3	2 32	4 31	1 48
F 5	15 25	13 51	0 28	10 46	0 54	2 19	4 36	27 20	6 31	23 41	0 22	22 37	0 11	11 24	0 48	22 34	0 59	15 55	6 59	15 57	16 2	2 35	4 34	1 48
S 6	15 7	18 25	0s35	10 3	0 48	2 37	4 47	27 20	6 28	23 41	0 22	22 38	0 11	11 25	0 48	22 34	0 58	15 55	6 59	15 57	16 1	2 38	4 36	1 48
S 7	14 49	22 19	1 38	9 21	0 41	2 55	4 58	27 19	6 26	23 41	0 22	22 38	0 11	11 26	0 48	22 35	0 58	15 55	6 59	15 57	16 0	2 42	4 38	1 47
M 8	14 30	25 17	2 38	8 38	0 34	3 13	5 9	27 18	6 24	23 42	0 22	22 39	0 11	11 27	0 48	22 35	0 58	15 55	7 0	15 56	16 0	2 45	4 41	1 47
T 9	14 12	27 3	3 31	7 55	0 27	3 29	5 20	27 17	6 21	23 42	0 22	22 39	0 11	11 28	0 48	22 35	0 58	15 55	7 0	15 55	15 59	2 48	4 43	1 46
W10	13 53	27 20	4 15	7 12	0 19	3 45	5 31	27 15	6 18	23 42	0 23	22 40	0 11	11 28	0 48	22 35	0 58	15 55	7 0	15 53	15 58	2 51	4 46	1 46
T 11	13 33	25 58	4 46	6 29	0 12	4 0	5 42	27 13	6 15	23 42	0 23	22 40	0 12	11 29	0 48	22 35	0 58	15 55	7 0	15 51	15 57	2 55	4 48	1 46
F 12	13 14	22 56	5 0	5 46	0 4	4 14	5 54	27 11	6 13	23 43	0 23	22 41	0 12	11 30	0 48	22 35	0 58	15 55	7 0	15 47	15 56	2 58	4 51	1 45
S 13	12 54	18 24	4 56	5 4	0s 4	4 28	6 5	27 9	6 10	23 43	0 23	22 41	0 12	11 31	0 48	22 35	0 58	15 55	7 0	15 44	15 55	3 1	4 53	1 45
S 14	12 34	12 41	4 32	4 22	0 12	4 40	6 16	27 7	6 6	23 43	0 23	22 42	0 12	11 32	0 48	22 35	0 58	15 55	7 0	15 41	15 54	3 5	4 56	1 44
M15	12 14	6 12	3 49	3 40	0 20	4 52	6 27	27 4	6 3	23 43	0 23	22 42	0 12	11 33	0 48	22 35	0 58	15 55	7 0	15 38	15 53	3 8	4 58	1 44
T 16	11 54	0n36	2 51	2 58	0 28	5 2	6 38	27 1	6 0	23 44	0 23	22 43	0 12	11 34	0 48	22 35	0 58	15 55	7 0	15 36	15 52	3 11	5 1	1 44
W17	11 34	7 20	1 41	2 17	0 36	5 11	6 48	26 58	5 57	23 44	0 23	22 43	0 12	11 34	0 48	22 35	0 58	15 55	7 0	15 35	15 51	3 15	5 3	1 43
T 18	11 13	13 34	0 27	1 36	0 45	5 19	6 59	26 54	5 53	23 44	0 23	22 43	0 12	11 35	0 48	22 35	0 58	15 55	7 1	15 35	15 50	3 18	5 6	1 43
F 19	10 52	18 58	0n48	0 56	0 53	5 26	7 9	26 51	5 50	23 44	0 23	22 44	0 12	11 36	0 48	22 35	0 58	15 55	7 1	15 35	15 49	3 21	5 9	1 42
S 20	10 31	23 13	1 59	0 16	1 2	5 32	7 19	26 47	5 46	23 44	0 23	22 44	0 12	11 37	0 48	22 35	0 58	15 54	7 1	15 35	15 48	3 24	5 11	1 42
S 21	10 10	26 5	3 1	0s24	1 10	5 37	7 29	26 43	5 43	23 44	0 23	22 44	0 12	11 38	0 48	22 35	0 58	15 54	7 1	15 35	15 47	3 28	5 14	1 42
M22	9 49	27 24	3 52	1 2	1 19	5 40	7 38	26 39	5 39	23 44	0 23	22 45	0 12	11 39	0 48	22 35	0 58	15 54	7 1	15 34	15 46	3 31	5 17	1 41
T 23	9 27	27 10	4 30	1 41	1 27	5 42	7 47	26 34	5 35	23 45	0 23	22 45	0 12	11 40	0 48	22 35	0 58	15 54	7 1	15 32	15 45	3 34	5 19	1 41
W24	9 6	25 29	4 54	2 18	1 36	5 43	7 55	26 30	5 31	23 45	0 24	22 45	0 12	11 40	0 48	22 35	0 58	15 54	7 1	15 29	15 44	3 38	5 22	1 41
T 25	8 44	22 33	5 3	2 55	1 44	5 42	8 3	26 25	5 28	23 45	0 24	22 46	0 13	11 41	0 48	22 35	0 58	15 54	7 1	15 26	15 43	3 41	5 25	1 40
F 26	8 22	18 37	4 57	3 31	1 53	5 40	8 10	26 20	5 24	23 45	0 24	22 46	0 13	11 42	0 48	22 35	0 58	15 54	7 1	15 23	15 42	3 44	5 28	1 40
S 27	8 0	13 57	4 38	4 6	2 1	5 37	8 17	26 15	5 20	23 45	0 24	22 46	0 13	11 43	0 48	22 35	0 58	15 54	7 1	15 19	15 41	3 48	5 30	1 40
S 28	7 38	8 49	4 6	4 40	2 9	5 32	8 23	26 9	5 16	23 45	0 24	22 47	0 13	11 44	0 48	22 35	0 58	15 54	7 2	15 16	15 40	3 51	5 33	1 39
M29	7 15	3 24	3 23	5 14	2 17	5 26	8 28	26 4	5 13	23 45	0 24	22 47	0 13	11 45	0 48	22 35	0 58	15 54	7 2	15 13	15 39	3 54	5 36	1 39
T 30	6 53	2s 5	2 32	5 46	2 25	5 18	8 33	25 58	5 9	23 45	0 24	22 47	0 13	11 46	0 48	22 35	0 58	15 54	7 2	15 11	15 38	3 57	5 39	1 38
W31	6n30	7s29	1n35	6s17	2s33	5s 9	8s37	25s52	5s 5	23s45	0s24	22s47	0s13	11s46	0s48	22s35	0n57	15n54	7s 2	15n10	15n37	4s 1	5s42	1s38

Julian Day Number = 2147151.5, Delta T = 14m37s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'13, Lahiri = 12°14'13 Julian Calendar 1 Aug. 1166 == Greg. Calendar 8 Aug. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

SEPTEMBER 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 5 35	14♍29'51	4♏41	10♎52	22°R33	27♑ 1	7♑11	16°R 4	1°R22	29°R53	16♊49	10°R51	12♉19	15♎41	10♎41	T 1
F 2	23 9 31	15°28'33	16°30	11°47	21♍59	27°13	7°12	16♑ 3	1♓20	29♐53	16°49	10°D51	12°16	15°48	10°49	F 2
S 3	23 13 28	16°27'17	28°26	12°38	21°24	27°25	7°13	16° 2	1°18	29°53	16°50	10♉52	12°13	15°54	10°57	S 3
S 4	23 17 24	17°26'02	10♐35	13°27	20°48	27°39	7°15	16° 1	1°15	29°53	16°50	10°53	12°10	16° 1	11° 5	S 4
M 5	23 21 21	18°24'49	23° 2	14°12	20°12	27°53	7°16	16° 0	1°13	29°D53	16°50	10°R53	12° 7	16° 8	11°13	M 5
T 6	23 25 17	19°23'38	5♑50	14°54	19°35	28° 7	7°18	15°59	1°11	29°53	16°50	10°51	12° 4	16°14	11°21	T 6
W 7	23 29 14	20°22'29	19° 6	15°31	18°58	28°23	7°20	15°58	1° 9	29°53	16°50	10°48	12° 0	16°21	11°30	W 7
T 8	23 33 11	21°21'21	2♒50	16° 4	18°21	28°39	7°22	15°58	1° 6	29°53	16°50	10°43	11°57	16°27	11°38	T 8
F 9	23 37 7	22°20'15	17° 4	16°33	17°45	28°55	7°24	15°57	1° 4	29°53	16°50	10°36	11°54	16°34	11°46	F 9
S 10	23 41 4	23°19'11	1♓43	16°56	17° 9	29°12	7°27	15°57	1° 2	29°53	16°R50	10°28	11°51	16°41	11°55	S 10
S 11	23 45 0	24°18'09	16°42	17°13	16°34	29°30	7°29	15°57	1° 0	29°53	16°50	10°21	11°48	16°47	12° 3	S 11
M12	23 48 57	25°17'09	1♈52	17°24	16° 0	29°49	7°32	15°56	0°58	29°53	16°50	10°15	11°45	16°54	12°11	M12
T 13	23 52 53	26°16'11	17° 3	17°R29	15°28	0♒ 8	7°35	15°56	0°56	29°54	16°50	10°12	11°41	17° 1	12°20	T 13
W14	23 56 50	27°15'15	2♉ 4	17°28	14°57	0°27	7°38	15°D56	0°53	29°54	16°50	10°10	11°38	17° 7	12°28	W14
T 15	0 0 46	28°14'22	16°49	17°18	14°27	0°47	7°42	15°56	0°51	29°54	16°50	10°D10	11°35	17°14	12°37	T 15
F 16	0 4 43	29°13'31	1♊12	17° 2	14° 0	1° 8	7°45	15°56	0°49	29°55	16°50	10°11	11°32	17°21	12°45	F 16
S 17	0 8 40	0♎12'42	15°12	16°37	13°34	1°29	7°49	15°57	0°47	29°55	16°50	10°12	11°29	17°27	12°54	S 17
S 18	0 12 36	1°11'56	28°47	16° 5	13°11	1°50	7°53	15°57	0°45	29°55	16°50	10°R13	11°25	17°34	13° 2	S 18
M19	0 16 33	2°11'12	12♋ 1	15°24	12°50	2°12	7°57	15°57	0°43	29°56	16°49	10°12	11°22	17°41	13°11	M19
T 20	0 20 29	3°10'31	24°55	14°36	12°31	2°35	8° 1	15°58	0°42	29°56	16°49	10°10	11°19	17°47	13°19	T 20
W21	0 24 26	4° 9'52	7♌33	13°41	12°15	2°58	8° 6	15°59	0°40	29°57	16°49	10° 6	11°16	17°54	13°28	W21
T 22	0 28 22	5° 9'15	19°57	12°39	12° 1	3°22	8°10	15°59	0°38	29°57	16°49	10° 1	11°13	18° 1	13°36	T 22
F 23	0 32 19	6° 8'40	2♍ 9	11°32	11°49	3°46	8°15	16° 0	0°36	29°58	16°48	9°55	11°10	18° 7	13°45	F 23
S 24	0 36 15	7° 8'07	14°13	10°22	11°40	4°10	8°20	16° 1	0°34	29°59	16°48	9°49	11° 6	18°14	13°53	S 24
S 25	0 40 12	8° 7'37	26°10	9° 9	11°33	4°35	8°25	16° 2	0°32	29°59	16°48	9°43	11° 3	18°21	14° 2	S 25
M26	0 44 9	9° 7'09	8♎ 2	7°57	11°29	5° 0	8°31	16° 4	0°31	29°59	16°47	9°39	11° 0	18°27	14°11	M26
T 27	0 48 5	10° 6'43	19°50	6°46	11°D27	5°26	8°36	16° 5	0°29	0♑ 1	16°47	9°35	10°57	18°34	14°19	T 27
W28	0 52 2	11° 6'19	1♏37	5°40	11°27	5°52	8°42	16° 6	0°27	0° 1	16°47	9°34	10°54	18°41	14°28	W28
T 29	0 55 58	12° 5'57	13°25	4°40	11°30	6°19	8°48	16° 8	0°26	0° 2	16°46	9°D34	10°50	18°47	14°36	T 29
F 30	0 59 55	13♎ 5'37	25♏17	3♎47	11♍35	6♒46	8♑54	16♑ 9	0♓24	0♑ 3	16♊46	9♉34	10♉47	18♎54	14♎45	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 8	12s37	0n33	6s47	2s40	4s59	8s39	25s46	5s 1	23s45	0s24	22s48	0s13	11s47	0s48	22s36	0n57	15n54	7s 2	15n 9	15n36	4s 4	5s45	1s38
F 2	5 45	17 20	0s30	7 15	2 48	4 47	8 42	25 40	4 57	23 45	0 24	22 48	0 13	11 48	0 48	22 36	0 57	15 53	7 2	15 9	15 35	4 7	5 47	1 37
S 3	5 22	21 25	1 33	7 42	2 55	4 35	8 43	25 34	4 53	23 45	0 24	22 48	0 13	11 49	0 48	22 36	0 57	15 53	7 2	15 9	15 34	4 11	5 50	1 37
S 4	4 59	24 40	2 33	8 7	3 2	4 21	8 43	25 27	4 49	23 45	0 24	22 48	0 13	11 50	0 48	22 36	0 57	15 53	7 2	15 10	15 33	4 14	5 53	1 37
M 5	4 36	26 49	3 27	8 31	3 8	4 6	8 42	25 20	4 46	23 45	0 24	22 48	0 13	11 50	0 48	22 36	0 57	15 53	7 2	15 10	15 32	4 17	5 56	1 36
T 6	4 13	27 38	4 13	8 53	3 14	3 50	8 40	25 14	4 42	23 45	0 24	22 48	0 13	11 51	0 48	22 36	0 57	15 53	7 3	15 9	15 31	4 20	5 59	1 36
W 7	3 50	26 54	4 46	9 12	3 20	3 33	8 38	25 7	4 38	23 45	0 24	22 49	0 13	11 52	0 48	22 36	0 57	15 53	7 3	15 8	15 30	4 24	6 2	1 36
T 8	3 27	24 33	5 5	9 30	3 25	3 15	8 34	25 0	4 34	23 45	0 24	22 49	0 13	11 53	0 48	22 36	0 57	15 53	7 3	15 6	15 30	4 27	6 5	1 35
F 9	3 3	20 39	5 6	9 45	3 29	2 57	8 30	24 52	4 30	23 45	0 24	22 49	0 13	11 54	0 48	22 36	0 57	15 53	7 3	15 4	15 29	4 30	6 8	1 35
S 10	2 40	15 23	4 47	9 57	3 33	2 38	8 24	24 45	4 26	23 45	0 24	22 49	0 14	11 54	0 48	22 36	0 57	15 53	7 3	15 2	15 28	4 34	6 11	1 35
S 11	2 16	9 5	4 9	10 7	3 36	2 19	8 18	24 37	4 23	23 45	0 25	22 49	0 14	11 55	0 48	22 36	0 57	15 53	7 3	15 0	15 27	4 37	6 14	1 35
M12	1 53	2 11	3 12	10 13	3 38	2 0	8 11	24 30	4 19	23 45	0 25	22 49	0 14	11 56	0 48	22 36	0 57	15 52	7 3	14 58	15 26	4 40	6 17	1 34
T 13	1 29	4n51	2 2	10 16	3 39	1 40	8 3	24 22	4 15	23 44	0 25	22 49	0 14	11 57	0 48	22 36	0 57	15 52	7 3	14 57	15 25	4 44	6 20	1 34
W14	1 6	11 34	0 44	10 15	3 39	1 20	7 54	24 14	4 11	23 44	0 25	22 49	0 14	11 57	0 48	22 36	0 57	15 52	7 3	14 56	15 24	4 47	6 23	1 34
T 15	0 42	17 31	0n36	10 10	3 38	1 0	7 45	24 6	4 8	23 44	0 25	22 49	0 14	11 58	0 48	22 36	0 57	15 52	7 4	14 56	15 23	4 50	6 26	1 33
F 16	0 19	22 19	1 52	10 2	3 35	0 40	7 35	23 58	4 4	23 44	0 25	22 49	0 14	11 59	0 48	22 36	0 57	15 52	7 4	14 56	15 22	4 53	6 29	1 33
S 17	0s 5	25 41	2 59	9 48	3 31	0 21	7 24	23 49	4 0	23 44	0 25	22 49	0 14	11 59	0 48	22 36	0 57	15 52	7 4	14 57	15 21	4 57	6 32	1 33
S 18	0 29	27 26	3 54	9 30	3 25	0 2	7 13	23 41	3 57	23 44	0 25	22 49	0 14	12 0	0 48	22 36	0 57	15 52	7 4	14 57	15 20	5 0	6 35	1 32
M19	0 52	27 34	4 35	9 7	3 17	0n17	7 2	23 32	3 53	23 43	0 25	22 49	0 14	12 1	0 48	22 36	0 57	15 52	7 4	14 57	15 19	5 3	6 38	1 32
T 20	1 16	26 10	5 0	8 40	3 8	0 35	6 50	23 24	3 49	23 43	0 25	22 49	0 14	12 1	0 48	22 36	0 57	15 51	7 4	14 56	15 18	5 7	6 41	1 32
W21	1 40	23 28	5 11	8 8	2 57	0 52	6 38	23 15	3 46	23 43	0 25	22 49	0 14	12 2	0 48	22 36	0 57	15 51	7 4	14 55	15 17	5 10	6 44	1 32
T 22	2 3	19 44	5 7	7 32	2 44	1 9	6 25	23 6	3 42	23 43	0 25	22 49	0 14	12 3	0 48	22 36	0 57	15 51	7 4	14 53	15 16	5 13	6 48	1 31
F 23	2 27	15 14	4 48	6 52	2 29	1 25	6 13	22 57	3 39	23 42	0 25	22 49	0 14	12 3	0 48	22 36	0 57	15 51	7 4	14 51	15 15	5 16	6 51	1 31
S 24	2 51	10 11	4 17	6 8	2 12	1 41	6 0	22 47	3 35	23 42	0 25	22 49	0 14	12 4	0 48	22 36	0 56	15 51	7 5	14 49	15 14	5 20	6 54	1 31
S 25	3 14	4 49	3 35	5 23	1 54	1 55	5 47	22 38	3 32	23 42	0 25	22 49	0 14	12 5	0 48	22 37	0 56	15 51	7 5	14 48	15 13	5 23	6 57	1 30
M26	3 38	0s41	2 44	4 36	1 34	2 9	5 34	22 28	3 28	23 42	0 25	22 49	0 15	12 5	0 48	22 37	0 56	15 51	7 5	14 46	15 12	5 26	7 0	1 30
T 27	4 1	6 9	1 46	3 50	1 14	2 22	5 20	22 19	3 25	23 41	0 25	22 49	0 15	12 6	0 48	22 37	0 56	15 51	7 5	14 45	15 11	5 30	7 3	1 30
W28	4 25	11 25	0 44	3 5	0 54	2 34	5 7	22 9	3 22	23 41	0 25	22 49	0 15	12 6	0 48	22 37	0 56	15 50	7 5	14 45	15 10	5 33	7 6	1 30
T 29	4 48	16 17	0s21	2 22	0 33	2 45	4 54	21 59	3 18	23 41	0 25	22 49	0 15	12 7	0 48	22 37	0 56	15 50	7 5	14 44	15 9	5 36	7 9	1 29
F 30	5s12	20s33	1s26	1s42	0s13	2n55	4s41	21s49	3s15	23s40	0s25	22s49	0s15	12s 7	0s48	22s37	0n56	15n50	7s 5	14n45	15n 8	5s39	7s12	1s29

Julian Day Number = 2147182.5, Delta T = 14m36s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'17, Lahiri = 12°14'17 Julian Calendar 1 Sept. 1166 == Greg. Calendar 8 Sept. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

OCTOBER 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 3 51	14♎ 5'18	7♐17	3°R 4	11♍43	7♒13	9♑ 0	16♑11	0°R23	0♑ 4	16°R45	9♉36	10♉44	19♎ 1	14♎54	S 1
S 2	1 7 48	15° 5'02	19°27	2♎32	11°52	7°41	9° 6	16°13	0♓21	0° 5	16♊45	9°38	10°41	19° 7	15° 2	S 2
M 3	1 11 44	16° 4'47	1♑53	2°10	12° 4	8° 9	9°13	16°14	0°20	0° 6	16°44	9°39	10°38	19°14	15°11	M 3
T 4	1 15 41	17° 4'35	14°38	2°D 0	12°18	8°37	9°19	16°16	0°18	0° 6	16°44	9°R40	10°35	19°21	15°20	T 4
W 5	1 19 38	18° 4'24	27°47	2° 1	12°34	9° 6	9°26	16°18	0°17	0° 7	16°43	9°40	10°31	19°27	15°28	W 5
T 6	1 23 34	19° 4'14	11♒22	2°13	12°52	9°35	9°33	16°21	0°16	0° 8	16°43	9°38	10°28	19°34	15°37	T 6
F 7	1 27 31	20° 4'07	25°25	2°35	13°12	10° 5	9°40	16°23	0°14	0° 9	16°42	9°36	10°25	19°41	15°45	F 7
S 8	1 31 27	21° 4'00	9♓55	3° 7	13°34	10°34	9°47	16°25	0°13	0°11	16°42	9°34	10°22	19°47	15°54	S 8
S 9	1 35 24	22° 3'56	24°47	3°48	13°58	11° 4	9°55	16°28	0°12	0°12	16°41	9°31	10°19	19°54	16° 3	S 9
M10	1 39 20	23° 3'54	9♈56	4°37	14°23	11°35	10° 2	16°30	0°11	0°13	16°41	9°29	10°16	20° 0	16°11	M10
T 11	1 43 17	24° 3'53	25°10	5°34	14°50	12° 5	10°10	16°33	0°10	0°14	16°40	9°28	10°12	20° 7	16°20	T 11
W12	1 47 13	25° 3'54	10♉22	6°37	15°19	12°36	10°18	16°35	0° 8	0°15	16°39	9°D28	10° 9	20°14	16°28	W12
T 13	1 51 10	26° 3'58	25°21	7°45	15°49	13° 7	10°26	16°38	0° 7	0°16	16°39	9°28	10° 6	20°20	16°37	T 13
F 14	1 55 6	27° 4'03	10♊ 0	8°58	16°21	13°39	10°34	16°41	0° 6	0°17	16°38	9°29	10° 3	20°27	16°45	F 14
S 15	1 59 3	28° 4'11	24°13	10°16	16°55	14°10	10°42	16°44	0° 5	0°19	16°37	9°30	10° 0	20°34	16°54	S 15
S 16	2 3 0	29° 4'20	8♋ 0	11°36	17°30	14°42	10°51	16°47	0° 5	0°20	16°36	9°31	9°56	20°40	17° 2	S 16
M17	2 6 56	0♏ 4'32	21°20	13° 0	18° 6	15°14	10°59	16°50	0° 4	0°21	16°36	9°32	9°53	20°47	17°11	M17
T 18	2 10 53	1° 4'46	4♌16	14°27	18°44	15°47	11° 8	16°54	0° 3	0°23	16°35	9°R32	9°50	20°54	17°19	T 18
W19	2 14 49	2° 5'02	16°52	15°55	19°23	16°20	11°17	16°57	0° 2	0°24	16°34	9°31	9°47	21° 0	17°28	W19
T 20	2 18 46	3° 5'20	29°10	17°25	20° 3	16°52	11°26	17° 0	0° 1	0°26	16°33	9°31	9°44	21° 7	17°36	T 20
F 21	2 22 42	4° 5'40	11♍15	18°57	20°44	17°25	11°35	17° 4	0° 1	0°27	16°32	9°30	9°41	21°14	17°45	F 21
S 22	2 26 39	5° 6'02	23°11	20°30	21°26	17°59	11°44	17° 8	0° 0	0°28	16°32	9°29	9°37	21°20	17°53	S 22
S 23	2 30 35	6° 6'26	5♎ 2	22° 3	22°10	18°32	11°53	17°11	29♒59	0°30	16°31	9°29	9°34	21°27	18° 1	S 23
M24	2 34 32	7° 6'52	16°49	23°38	22°55	19° 6	12° 3	17°15	29°59	0°31	16°30	9°29	9°31	21°34	18°10	M24
T 25	2 38 29	8° 7'19	28°37	25°12	23°40	19°40	12°12	17°19	29°59	0°33	16°29	9°28	9°28	21°40	18°18	T 25
W26	2 42 25	9° 7'49	10♏27	26°47	24°27	20°14	12°22	17°23	29°58	0°34	16°28	9°28	9°25	21°47	18°26	W26
T 27	2 46 22	10° 8'20	22°22	28°23	25°14	20°48	12°32	17°27	29°58	0°36	16°27	9°28	9°22	21°54	18°35	T 27
F 28	2 50 18	11° 8'52	4♐22	29°59	26° 3	21°23	12°42	17°31	29°58	0°38	16°26	9°28	9°18	22° 0	18°43	F 28
S 29	2 54 15	12° 9'26	16°31	1♏34	26°52	21°58	12°52	17°35	29°57	0°39	16°25	9°28	9°15	22° 7	18°51	S 29
S 30	2 58 11	13°10'02	28°51	3°10	27°42	22°33	13° 2	17°39	29°57	0°41	16°24	9°28	9°12	22°14	18°59	S 30
M31	3 2 8	14♏10'39	11♑24	4♏46	28♍33	23♒ 8	13♑12	17♑44	29♒57	0♑43	16♊23	9♉27	9♉ 9	22♎20	19♎ 7	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s35	24s 2	2s27	1s 7	0n 7	3n 5	4s28	21s38	3s12	23s40	0s25	22s49	0s15	12s 8	0s48	22s37	0n56	15n50	7s 5	14n45	15n 7	5s43	7s15	1s29
S 2	5 58	26 30	3 22	0 37	0 25	3 13	4 15	21 28	3 9	23 39	0 25	22 48	0 15	12 8	0 48	22 37	0 56	15 50	7 5	14 46	15 6	5 46	7 19	1 29
M 3	6 21	27 42	4 10	0 13	0 42	3 21	4 2	21 18	3 5	23 39	0 25	22 48	0 15	12 9	0 48	22 37	0 56	15 50	7 5	14 46	15 5	5 49	7 22	1 28
T 4	6 44	27 29	4 46	0n 5	0 58	3 27	3 49	21 7	3 2	23 39	0 25	22 48	0 15	12 9	0 48	22 37	0 56	15 50	7 6	14 46	15 4	5 53	7 25	1 28
W 5	7 7	25 45	5 9	0 18	1 12	3 33	3 36	20 56	2 59	23 38	0 25	22 48	0 15	12 10	0 47	22 37	0 56	15 49	7 6	14 46	15 3	5 56	7 28	1 28
T 6	7 30	22 30	5 16	0 24	1 25	3 37	3 24	20 45	2 56	23 38	0 26	22 48	0 15	12 10	0 47	22 37	0 56	15 49	7 6	14 46	15 2	5 59	7 31	1 27
F 7	7 53	17 52	5 4	0 25	1 35	3 41	3 12	20 34	2 53	23 37	0 26	22 47	0 15	12 11	0 47	22 37	0 56	15 49	7 6	14 45	15 1	6 2	7 34	1 27
S 8	8 15	12 5	4 33	0 21	1 44	3 44	2 59	20 23	2 50	23 37	0 26	22 47	0 15	12 11	0 47	22 37	0 56	15 49	7 6	14 45	15 0	6 6	7 37	1 27
S 9	8 38	5 29	3 43	0 12	1 52	3 46	2 48	20 12	2 47	23 36	0 26	22 47	0 15	12 12	0 47	22 37	0 56	15 49	7 6	14 44	14 59	6 9	7 40	1 27
M10	9 0	1n33	2 36	0s 2	1 58	3 47	2 36	20 1	2 44	23 36	0 26	22 47	0 15	12 12	0 47	22 37	0 56	15 49	7 6	14 43	14 58	6 12	7 43	1 26
T 11	9 23	8 34	1 18	0 21	2 3	3 47	2 24	19 49	2 41	23 35	0 26	22 46	0 15	12 12	0 47	22 37	0 56	15 49	7 6	14 43	14 57	6 16	7 47	1 26
W12	9 45	15 5	0n 5	0 42	2 6	3 46	2 13	19 37	2 38	23 35	0 26	22 46	0 15	12 13	0 47	22 37	0 56	15 48	7 6	14 43	14 56	6 19	7 50	1 26
T 13	10 7	20 36	1 27	1 7	2 8	3 45	2 2	19 26	2 35	23 34	0 26	22 46	0 15	12 13	0 47	22 37	0 56	15 48	7 6	14 43	14 55	6 22	7 53	1 26
F 14	10 28	24 43	2 41	1 35	2 9	3 42	1 51	19 14	2 32	23 33	0 26	22 45	0 15	12 13	0 47	22 37	0 56	15 48	7 6	14 43	14 54	6 25	7 56	1 26
S 15	10 50	27 9	3 44	2 6	2 10	3 39	1 40	19 2	2 29	23 33	0 26	22 45	0 16	12 14	0 47	22 37	0 56	15 48	7 6	14 43	14 53	6 29	7 59	1 25
S 16	11 12	27 49	4 31	2 38	2 9	3 35	1 30	18 50	2 26	23 32	0 26	22 45	0 16	12 14	0 47	22 37	0 56	15 48	7 7	14 44	14 52	6 32	8 2	1 25
M17	11 33	26 49	5 2	3 12	2 7	3 30	1 20	18 37	2 23	23 31	0 26	22 45	0 16	12 14	0 47	22 37	0 56	15 48	7 7	14 44	14 51	6 35	8 5	1 25
T 18	11 54	24 23	5 16	3 48	2 5	3 24	1 10	18 25	2 21	23 31	0 26	22 44	0 16	12 14	0 47	22 37	0 56	15 48	7 7	14 44	14 50	6 38	8 8	1 25
W19	12 15	20 51	5 15	4 25	2 2	3 18	1 0	18 12	2 18	23 30	0 26	22 44	0 16	12 15	0 47	22 37	0 56	15 47	7 7	14 44	14 49	6 42	8 11	1 24
T 20	12 36	16 29	4 59	5 3	1 59	3 11	0 51	18 0	2 15	23 29	0 26	22 43	0 16	12 15	0 47	22 37	0 55	15 47	7 7	14 44	14 48	6 45	8 14	1 24
F 21	12 57	11 32	4 30	5 41	1 55	3 3	0 42	17 47	2 13	23 28	0 26	22 43	0 16	12 15	0 47	22 37	0 55	15 47	7 7	14 43	14 47	6 48	8 17	1 24
S 22	13 17	6 14	3 50	6 20	1 50	2 55	0 33	17 34	2 10	23 28	0 26	22 43	0 16	12 15	0 47	22 38	0 55	15 47	7 7	14 43	14 46	6 52	8 20	1 24
S 23	13 37	0 45	3 0	7 0	1 45	2 45	0 24	17 21	2 7	23 27	0 26	22 42	0 16	12 15	0 47	22 38	0 55	15 47	7 7	14 43	14 45	6 55	8 23	1 23
M24	13 57	4s45	2 3	7 40	1 40	2 36	0 15	17 8	2 5	23 26	0 26	22 42	0 16	12 16	0 47	22 38	0 55	15 47	7 7	14 43	14 44	6 58	8 26	1 23
T 25	14 17	10 6	1 0	8 20	1 35	2 25	0 7	16 55	2 2	23 25	0 26	22 41	0 16	12 16	0 47	22 38	0 55	15 47	7 7	14 43	14 43	7 1	8 29	1 23
W26	14 36	15 7	0s 5	9 0	1 29	2 14	0n 1	16 42	2 0	23 24	0 26	22 41	0 16	12 16	0 47	22 38	0 55	15 46	7 7	14 43	14 42	7 5	8 32	1 23
T 27	14 56	19 35	1 11	9 39	1 23	2 2	0 9	16 28	1 57	23 24	0 26	22 40	0 16	12 16	0 47	22 38	0 55	15 46	7 7	14 43	14 41	7 8	8 35	1 23
F 28	15 15	23 19	2 14	10 19	1 17	1 50	0 17	16 15	1 55	23 23	0 26	22 40	0 16	12 16	0 47	22 38	0 55	15 46	7 7	14 43	14 40	7 11	8 38	1 22
S 29	15 33	26 3	3 12	10 58	1 11	1 37	0 24	16 1	1 52	23 22	0 26	22 39	0 16	12 16	0 47	22 38	0 55	15 46	7 7	14 43	14 39	7 14	8 41	1 22
S 30	15 52	27 34	4 1	11 37	1 4	1 24	0 31	15 47	1 50	23 21	0 26	22 39	0 16	12 16	0 47	22 38	0 55	15 46	7 7	14 43	14 38	7 18	8 44	1 22
M31	16s10	27s43	4s40	12s16	0n57	1n10	0n38	15s34	1s47	23s20	0s26	22s38	0s16	12s16	0s47	22s38	0n55	15n46	7s 7	14n42	14n37	7s21	8s47	1s22

Julian Day Number = 2147212.5, Delta T = 14m36s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'21, Lahiri = 12°14'21 Julian Calendar 1 Oct. 1166 == Greg. Calendar 8 Oct. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

NOVEMBER 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 6 4	15♏11'17	24♑13	6♏22	29♍24	23♒43	13♑23	17♑48	29°R57	0♑44	16°R22	9°R26	9♉ 6	22♎27	19♎16	T 1
W 2	3 10 1	16°11'56	7♒20	7°57	0♎17	24°18	13°33	17°53	29♒57	0°46	16♊21	9♉26	9° 2	22°34	19°24	W 2
T 3	3 13 58	17°12'37	20°47	9°33	1°10	24°54	13°44	17°57	29°D57	0°48	16°20	9°D26	8°59	22°40	19°32	T 3
F 4	3 17 54	18°13'18	4♓37	11° 8	2° 4	25°29	13°55	18° 2	29°57	0°50	16°19	9°26	8°56	22°47	19°40	F 4
S 5	3 21 51	19°14'01	18°49	12°44	2°58	26° 5	14° 6	18° 7	29°57	0°51	16°18	9°27	8°53	22°53	19°48	S 5
S 6	3 25 47	20°14'45	3♈22	14°19	3°53	26°41	14°16	18°11	29°57	0°53	16°17	9°28	8°50	23° 0	19°55	S 6
M 7	3 29 44	21°15'30	18°12	15°54	4°49	27°17	14°28	18°16	29°57	0°55	16°16	9°29	8°47	23° 7	20° 3	M 7
T 8	3 33 40	22°16'16	3♉13	17°29	5°45	27°54	14°39	18°21	29°57	0°57	16°15	9°R29	8°43	23°13	20°11	T 8
W 9	3 37 37	23°17'03	18°16	19° 3	6°42	28°30	14°50	18°26	29°58	0°59	16°14	9°29	8°40	23°20	20°19	W 9
T 10	3 41 33	24°17'51	3♊14	20°38	7°40	29° 6	15° 1	18°31	29°58	1° 1	16°13	9°28	8°37	23°27	20°27	T 10
F 11	3 45 30	25°18'41	17°58	22°13	8°38	29°43	15°13	18°36	29°58	1° 3	16°12	9°27	8°34	23°33	20°34	F 11
S 12	3 49 27	26°19'33	2♋21	23°47	9°36	0♓20	15°24	18°42	29°59	1° 5	16°11	9°25	8°31	23°40	20°42	S 12
S 13	3 53 23	27°20'25	16°18	25°22	10°35	0°57	15°36	18°47	29°59	1° 7	16°10	9°22	8°28	23°47	20°49	S 13
M14	3 57 20	28°21'19	29°47	26°56	11°35	1°33	15°47	18°52	29°59	1° 9	16° 9	9°20	8°24	23°53	20°57	M14
T 15	4 1 16	29°22'14	12♌51	28°30	12°35	2°11	15°59	18°58	0♓ 1	1°11	16° 8	9°18	8°21	24° 0	21° 5	T 15
W16	4 5 13	0♐23'11	25°30	0♐ 5	13°35	2°48	16°11	19° 3	0° 1	1°13	16° 6	9°D17	8°18	24° 7	21°12	W16
T 17	4 9 9	1°24'09	7♍49	1°39	14°36	3°25	16°23	19° 9	0° 2	1°15	16° 5	9°17	8°15	24°13	21°19	T 17
F 18	4 13 6	2°25'08	19°53	3°13	15°38	4° 2	16°35	19°14	0° 3	1°17	16° 4	9°18	8°12	24°20	21°27	F 18
S 19	4 17 3	3°26'08	1♎47	4°47	16°39	4°40	16°47	19°20	0° 4	1°19	16° 3	9°20	8° 8	24°27	21°34	S 19
S 20	4 20 59	4°27'10	13°35	6°22	17°42	5°17	16°59	19°25	0° 4	1°21	16° 2	9°22	8° 5	24°33	21°41	S 20
M21	4 24 56	5°28'12	25°21	7°56	18°44	5°55	17°12	19°31	0° 5	1°23	16° 1	9°23	8° 2	24°40	21°48	M21
T 22	4 28 52	6°29'16	7♏11	9°31	19°47	6°33	17°24	19°37	0° 6	1°25	15°59	9°R24	7°59	24°47	21°55	T 22
W23	4 32 49	7°30'21	19° 6	11° 5	20°50	7°10	17°36	19°43	0° 7	1°27	15°58	9°24	7°56	24°53	22° 2	W23
T 24	4 36 45	8°31'26	1♐ 9	12°40	21°54	7°48	17°49	19°49	0° 8	1°29	15°57	9°22	7°53	25° 0	22° 9	T 24
F 25	4 40 42	9°32'33	13°23	14°14	22°58	8°26	18° 1	19°55	0° 9	1°31	15°56	9°18	7°49	25° 6	22°16	F 25
S 26	4 44 38	10°33'40	25°48	15°49	24° 2	9° 4	18°14	20° 1	0°11	1°33	15°55	9°13	7°46	25°13	22°23	S 26
S 27	4 48 35	11°34'48	8♑26	17°24	25° 7	9°43	18°27	20° 7	0°12	1°36	15°54	9° 8	7°43	25°20	22°30	S 27
M28	4 52 32	12°35'56	21°16	18°59	26°11	10°21	18°39	20°13	0°13	1°38	15°52	9° 2	7°40	25°26	22°36	M28
T 29	4 56 28	13°37'05	4♒19	20°34	27°17	10°59	18°52	20°19	0°14	1°40	15°51	8°56	7°37	25°33	22°43	T 29
W30	5 0 25	14♐38'14	17♒35	22♐ 9	28♎22	11♓38	19♑ 5	20♑25	0♓16	1♑42	15♊50	8♉52	7♉34	25♎40	22♎50	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s28	26s24	5s 6	12s54	0n51	0n55	0n45	15s20	1s45	23s19	0s26	22s38	0s16	12s16	0s47	22s38	0n55	15n46	7s 7	14n42	14n36	7s24	8s50	1s22
W 2	16 46	23 38	5 17	13 32	0 44	0 41	0 52	15 6	1 43	23 18	0 27	22 37	0 17	12 16	0 46	22 38	0 55	15 46	7 7	14 42	14 35	7 28	8 53	1 21
T 3	17 3	19 32	5 11	14 9	0 37	0 25	0 58	14 51	1 40	23 17	0 27	22 37	0 17	12 16	0 46	22 38	0 55	15 45	7 7	14 42	14 34	7 31	8 56	1 21
F 4	17 20	14 19	4 48	14 45	0 31	0 9	1 4	14 37	1 38	23 16	0 27	22 36	0 17	12 16	0 46	22 38	0 55	15 45	7 7	14 42	14 33	7 34	8 58	1 21
S 5	17 37	8 13	4 6	15 21	0 24	0s 7	1 10	14 23	1 36	23 15	0 27	22 36	0 17	12 16	0 46	22 38	0 55	15 45	7 8	14 42	14 31	7 37	9 1	1 21
S 6	17 53	1 31	3 7	15 56	0 17	0 24	1 16	14 8	1 33	23 13	0 27	22 35	0 17	12 16	0 46	22 38	0 55	15 45	7 8	14 43	14 30	7 41	9 4	1 21
M 7	18 9	5n23	1 55	16 31	0 10	0 41	1 21	13 54	1 31	23 12	0 27	22 34	0 17	12 16	0 46	22 38	0 55	15 45	7 8	14 43	14 29	7 44	9 7	1 20
T 8	18 25	12 6	0 35	17 4	0 3	0 58	1 27	13 39	1 29	23 11	0 27	22 34	0 17	12 16	0 46	22 38	0 55	15 45	7 8	14 43	14 28	7 47	9 10	1 20
W 9	18 41	18 8	0n49	17 37	0s 3	1 16	1 32	13 24	1 27	23 10	0 27	22 33	0 17	12 15	0 46	22 38	0 55	15 45	7 8	14 43	14 27	7 50	9 12	1 20
T 10	18 56	22 59	2 8	18 9	0 10	1 35	1 37	13 10	1 25	23 9	0 27	22 33	0 17	12 15	0 46	22 38	0 55	15 44	7 8	14 43	14 26	7 54	9 15	1 20
F 11	19 11	26 17	3 17	18 40	0 17	1 53	1 41	12 55	1 23	23 7	0 27	22 32	0 17	12 15	0 46	22 38	0 55	15 44	7 8	14 42	14 25	7 57	9 18	1 20
S 12	19 25	27 44	4 13	19 11	0 23	2 12	1 46	12 40	1 21	23 6	0 27	22 31	0 17	12 15	0 46	22 38	0 55	15 44	7 8	14 42	14 24	8 0	9 21	1 19
S 13	19 39	27 22	4 51	19 40	0 30	2 31	1 50	12 25	1 18	23 5	0 27	22 31	0 17	12 15	0 46	22 38	0 55	15 44	7 8	14 41	14 23	8 3	9 23	1 19
M14	19 53	25 22	5 12	20 9	0 36	2 51	1 54	12 9	1 16	23 3	0 27	22 30	0 17	12 14	0 46	22 38	0 55	15 44	7 8	14 40	14 22	8 7	9 26	1 19
T 15	20 6	22 4	5 15	20 36	0 42	3 11	1 58	11 54	1 14	23 2	0 27	22 29	0 17	12 14	0 46	22 38	0 55	15 44	7 8	14 40	14 21	8 10	9 29	1 19
W16	20 20	17 50	5 3	21 3	0 48	3 31	2 2	11 39	1 12	23 1	0 27	22 28	0 17	12 14	0 46	22 38	0 55	15 44	7 8	14 39	14 20	8 13	9 31	1 19
T 17	20 32	12 58	4 38	21 28	0 54	3 51	2 6	11 24	1 10	22 59	0 27	22 28	0 17	12 14	0 46	22 38	0 55	15 44	7 8	14 39	14 19	8 16	9 34	1 18
F 18	20 44	7 42	4 0	21 53	1 0	4 12	2 9	11 8	1 8	22 58	0 27	22 27	0 17	12 13	0 46	22 38	0 55	15 44	7 8	14 40	14 18	8 20	9 36	1 18
S 19	20 56	2 14	3 13	22 16	1 6	4 32	2 12	10 53	1 7	22 56	0 27	22 26	0 17	12 13	0 46	22 38	0 55	15 43	7 8	14 40	14 17	8 23	9 39	1 18
S 20	21 8	3s16	2 18	22 39	1 12	4 53	2 16	10 37	1 5	22 55	0 27	22 25	0 17	12 13	0 46	22 38	0 55	15 43	7 8	14 41	14 16	8 26	9 42	1 18
M21	21 19	8 40	1 17	23 0	1 17	5 14	2 18	10 21	1 3	22 53	0 27	22 25	0 18	12 12	0 46	22 38	0 55	15 43	7 8	14 41	14 15	8 29	9 44	1 18
T 22	21 29	13 47	0 12	23 20	1 22	5 36	2 21	10 6	1 1	22 52	0 27	22 24	0 18	12 12	0 46	22 38	0 54	15 43	7 8	14 41	14 14	8 33	9 47	1 18
W23	21 40	18 26	0s53	23 39	1 27	5 57	2 24	9 50	0 59	22 50	0 27	22 23	0 18	12 12	0 46	22 38	0 54	15 43	7 8	14 41	14 13	8 36	9 49	1 17
T 24	21 50	22 23	1 57	23 57	1 32	6 19	2 26	9 34	0 57	22 49	0 28	22 22	0 18	12 11	0 46	22 38	0 54	15 43	7 8	14 41	14 12	8 39	9 52	1 17
F 25	21 59	25 25	2 56	24 13	1 37	6 40	2 28	9 18	0 55	22 47	0 28	22 21	0 18	12 11	0 46	22 38	0 54	15 43	7 7	14 40	14 11	8 42	9 54	1 17
S 26	22 8	27 16	3 47	24 28	1 41	7 2	2 31	9 2	0 54	22 45	0 28	22 21	0 18	12 10	0 46	22 38	0 54	15 43	7 7	14 38	14 10	8 45	9 56	1 17
S 27	22 17	27 45	4 28	24 42	1 45	7 24	2 32	8 46	0 52	22 44	0 28	22 20	0 18	12 10	0 46	22 38	0 54	15 43	7 7	14 36	14 9	8 49	9 59	1 17
M28	22 25	26 45	4 57	24 54	1 49	7 46	2 34	8 30	0 50	22 42	0 28	22 19	0 18	12 9	0 45	22 38	0 54	15 43	7 7	14 34	14 8	8 52	10 1	1 17
T 29	22 32	24 17	5 10	25 5	1 53	8 8	2 36	8 14	0 48	22 40	0 28	22 18	0 18	12 9	0 45	22 38	0 54	15 43	7 7	14 32	14 7	8 55	10 3	1 16
W30	22s40	20s31	5s 8	25s15	1s56	8s30	2n37	7s57	0s47	22s39	0s28	22s17	0s18	12s 8	0s45	22s38	0n54	15n43	7s 7	14n31	14n 6	8s58	10s 6	1s16

Julian Day Number = 2147243.5, Delta T = 14m36s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'25, Lahiri = 12°14'26 Julian Calendar 1 Nov. 1166 == Greg. Calendar 8 Nov. 1166

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ASTRODIENST EPHEMERIS for the year 1166
geocentric

DECEMBER 1166 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 4 21	15♐39'23	1♓ 5	23♐45	29♎28	12♓16	19♑18	20♑32	0♓17	1♑44	15°R49	8°R49	7♉30	25♎46	22♎56	T 1
F 2	5 8 18	16°40'32	14°49	25°20	0♏34	12°55	19°31	20°38	0°19	1°47	15♊48	8°D48	7°27	25°53	23° 3	F 2
S 3	5 12 14	17°41'42	28°48	26°55	1°40	13°33	19°44	20°44	0°20	1°49	15°46	8♉48	7°24	26° 0	23° 9	S 3
S 4	5 16 11	18°42'51	13♈ 1	28°31	2°46	14°12	19°57	20°51	0°22	1°51	15°45	8°50	7°21	26° 6	23°15	S 4
M 5	5 20 7	19°44'01	27°26	0♑ 7	3°53	14°50	20°11	20°57	0°23	1°53	15°44	8°51	7°18	26°13	23°21	M 5
T 6	5 24 4	20°45'11	12♉ 1	1°42	5° 0	15°29	20°24	21° 4	0°25	1°55	15°43	8°R51	7°14	26°20	23°27	T 6
W 7	5 28 1	21°46'21	26°41	3°18	6° 7	16° 8	20°37	21°10	0°27	1°58	15°42	8°50	7°11	26°26	23°33	W 7
T 8	5 31 57	22°47'31	11♊21	4°54	7°14	16°47	20°51	21°17	0°28	2° 0	15°40	8°47	7° 8	26°33	23°39	T 8
F 9	5 35 54	23°48'42	25°52	6°29	8°22	17°26	21° 4	21°23	0°30	2° 2	15°39	8°41	7° 5	26°40	23°45	F 9
S 10	5 39 50	24°49'52	10♋ 9	8° 4	9°29	18° 5	21°17	21°30	0°32	2° 4	15°38	8°34	7° 2	26°46	23°51	S 10
S 11	5 43 47	25°51'03	24° 5	9°39	10°37	18°43	21°31	21°37	0°34	2° 7	15°37	8°25	6°59	26°53	23°57	S 11
M12	5 47 43	26°52'14	7♌38	11°13	11°45	19°23	21°44	21°43	0°36	2° 9	15°36	8°17	6°55	26°59	24° 2	M12
T 13	5 51 40	27°53'25	20°46	12°47	12°54	20° 2	21°58	21°50	0°38	2°11	15°35	8°10	6°52	27° 6	24° 8	T 13
W14	5 55 37	28°54'37	3♍29	14°20	14° 2	20°41	22°12	21°57	0°40	2°13	15°33	8° 5	6°49	27°13	24°13	W14
T 15	5 59 33	29°55'49	15°52	15°53	15°11	21°20	22°25	22° 4	0°42	2°16	15°32	8° 1	6°46	27°19	24°19	T 15
F 16	6 3 30	0♑57'00	27°58	17°23	16°20	21°59	22°39	22°11	0°44	2°18	15°31	8°D 0	6°43	27°26	24°24	F 16
S 17	6 7 26	1°58'12	9♎53	18°53	17°29	22°38	22°53	22°17	0°46	2°20	15°30	8° 0	6°40	27°33	24°29	S 17
S 18	6 11 23	2°59'25	21°41	20°21	18°38	23°17	23° 7	22°24	0°48	2°23	15°29	8° 1	6°36	27°39	24°34	S 18
M19	6 15 19	4° 0'37	3♏28	21°46	19°47	23°57	23°20	22°31	0°50	2°25	15°28	8°R 2	6°33	27°46	24°39	M19
T 20	6 19 16	5° 1'49	15°19	23° 9	20°57	24°36	23°34	22°38	0°52	2°27	15°27	8° 2	6°30	27°53	24°44	T 20
W21	6 23 12	6° 3'02	27°19	24°29	22° 6	25°15	23°48	22°45	0°55	2°29	15°26	8° 0	6°27	27°59	24°49	W21
T 22	6 27 9	7° 4'14	9♐31	25°45	23°16	25°55	24° 2	22°52	0°57	2°32	15°24	7°55	6°24	28° 6	24°54	T 22
F 23	6 31 6	8° 5'26	21°58	26°57	24°26	26°34	24°16	22°59	0°59	2°34	15°23	7°48	6°20	28°13	24°58	F 23
S 24	6 35 2	9° 6'38	4♑41	28° 4	25°36	27°13	24°30	23° 6	1° 2	2°36	15°22	7°38	6°17	28°19	25° 3	S 24
S 25	6 38 59	10° 7'50	17°40	29° 5	26°46	27°53	24°44	23°13	1° 4	2°39	15°21	7°27	6°14	28°26	25° 7	S 25
M26	6 42 55	11° 9'01	0♒54	29°59	27°56	28°32	24°58	23°20	1° 7	2°41	15°20	7°15	6°11	28°33	25°11	M26
T 27	6 46 52	12°10'11	14°21	0♒47	29° 7	29°12	25°12	23°27	1° 9	2°43	15°19	7° 4	6° 8	28°39	25°16	T 27
W28	6 50 48	13°11'21	27°58	1°26	0♐17	29°51	25°26	23°34	1°12	2°45	15°18	6°55	6° 5	28°46	25°20	W28
T 29	6 54 45	14°12'30	11♓44	1°56	1°28	0♈31	25°40	23°41	1°14	2°48	15°17	6°48	6° 1	28°53	25°24	T 29
F 30	6 58 41	15°13'38	25°37	2°15	2°38	1°11	25°55	23°48	1°17	2°50	15°16	6°44	5°58	28°59	25°28	F 30
S 31	7 2 38	16♑14'45	9♈36	2°R24	3♐49	1♈50	26♑ 9	23♑56	1♓20	2♑52	15♊15	6♉42	5♉55	29♎ 6	25♎31	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s46	15s38	4s48	25s23	1s59	8s52	2n39	7s41	0s45	22s37	0s28	22s16	0s18	12s 8	0s45	22s38	0n54	15n42	7s 7	14n30	14n 5	9s 2	10s 8	1s16
F 2	22 53	9 53	4 12	25 30	2 2	9 14	2 40	7 25	0 43	22 35	0 28	22 15	0 18	12 7	0 45	22 38	0 54	15 42	7 7	14 30	14 4	9 5	10 10	1 16
S 3	22 59	3 33	3 21	25 35	2 5	9 36	2 41	7 8	0 42	22 33	0 28	22 14	0 18	12 7	0 45	22 38	0 54	15 42	7 7	14 30	14 3	9 8	10 12	1 16
S 4	23 4	3n 5	2 16	25 39	2 7	9 57	2 42	6 52	0 40	22 31	0 28	22 14	0 18	12 6	0 45	22 38	0 54	15 42	7 7	14 30	14 2	9 11	10 15	1 16
M 5	23 9	9 39	1 2	25 41	2 8	10 19	2 42	6 35	0 39	22 29	0 28	22 13	0 18	12 5	0 45	22 38	0 54	15 42	7 7	14 31	14 1	9 15	10 17	1 15
T 6	23 14	15 47	0n17	25 42	2 10	10 41	2 43	6 19	0 37	22 27	0 28	22 12	0 18	12 5	0 45	22 38	0 54	15 42	7 7	14 31	14 0	9 18	10 19	1 15
W 7	23 18	21 3	1 35	25 41	2 10	11 3	2 43	6 2	0 35	22 25	0 28	22 11	0 18	12 4	0 45	22 38	0 54	15 42	7 7	14 31	13 58	9 21	10 21	1 15
T 8	23 21	25 0	2 47	25 38	2 11	11 25	2 44	5 46	0 34	22 23	0 28	22 10	0 19	12 4	0 45	22 38	0 54	15 42	7 7	14 29	13 57	9 24	10 23	1 15
F 9	23 24	27 16	3 47	25 34	2 11	11 46	2 44	5 29	0 32	22 21	0 28	22 9	0 19	12 3	0 45	22 38	0 54	15 42	7 7	14 28	13 56	9 27	10 25	1 15
S 10	23 27	27 40	4 31	25 28	2 10	12 8	2 44	5 12	0 31	22 19	0 28	22 8	0 19	12 2	0 45	22 38	0 54	15 42	7 7	14 25	13 55	9 31	10 27	1 15
S 11	23 29	26 17	4 58	25 21	2 9	12 29	2 44	4 56	0 29	22 17	0 28	22 7	0 19	12 2	0 45	22 38	0 54	15 42	7 7	14 23	13 54	9 34	10 29	1 14
M12	23 31	23 24	5 8	25 11	2 8	12 50	2 44	4 39	0 28	22 15	0 29	22 6	0 19	12 1	0 45	22 38	0 54	15 42	7 7	14 20	13 53	9 37	10 31	1 14
T 13	23 32	19 23	5 0	25 1	2 5	13 11	2 43	4 22	0 26	22 13	0 29	22 5	0 19	12 0	0 45	22 38	0 54	15 42	7 6	14 18	13 52	9 40	10 33	1 14
W14	23 33	14 35	4 38	24 48	2 3	13 32	2 43	4 6	0 25	22 11	0 29	22 4	0 19	11 59	0 45	22 38	0 54	15 42	7 6	14 16	13 51	9 43	10 35	1 14
T 15	23 33	9 20	4 4	24 34	1 59	13 53	2 42	3 49	0 24	22 9	0 29	22 3	0 19	11 59	0 45	22 38	0 54	15 42	7 6	14 15	13 50	9 47	10 37	1 14
F 16	23 33	3 51	3 19	24 19	1 55	14 13	2 42	3 32	0 22	22 7	0 29	22 2	0 19	11 58	0 45	22 38	0 54	15 42	7 6	14 14	13 49	9 50	10 38	1 14
S 17	23 32	1s42	2 26	24 1	1 50	14 33	2 41	3 15	0 21	22 4	0 29	22 1	0 19	11 57	0 45	22 38	0 54	15 42	7 6	14 14	13 48	9 53	10 40	1 13
S 18	23 31	7 9	1 27	23 43	1 44	14 53	2 40	2 58	0 19	22 2	0 29	22 0	0 19	11 56	0 45	22 38	0 54	15 42	7 6	14 15	13 47	9 56	10 42	1 13
M19	23 29	12 21	0 25	23 23	1 37	15 13	2 39	2 42	0 18	22 0	0 29	21 58	0 19	11 55	0 45	22 38	0 54	15 42	7 6	14 15	13 46	10 0	10 44	1 13
T 20	23 27	17 8	0s39	23 2	1 30	15 32	2 38	2 25	0 17	21 58	0 29	21 57	0 19	11 55	0 45	22 38	0 54	15 42	7 6	14 15	13 45	10 3	10 45	1 13
W21	23 25	21 18	1 42	22 39	1 21	15 51	2 37	2 8	0 15	21 55	0 29	21 56	0 19	11 54	0 45	22 37	0 54	15 42	7 6	14 14	13 44	10 6	10 47	1 13
T 22	23 22	24 37	2 40	22 16	1 12	16 10	2 35	1 51	0 14	21 53	0 29	21 55	0 19	11 53	0 45	22 37	0 54	15 42	7 6	14 13	13 43	10 9	10 48	1 13
F 23	23 18	26 50	3 32	21 52	1 2	16 29	2 34	1 34	0 13	21 50	0 29	21 54	0 19	11 52	0 45	22 37	0 54	15 42	7 5	14 10	13 42	10 12	10 50	1 12
S 24	23 14	27 43	4 15	21 28	0 50	16 47	2 32	1 17	0 12	21 48	0 29	21 53	0 20	11 51	0 45	22 37	0 54	15 42	7 5	14 7	13 41	10 16	10 51	1 12
S 25	23 10	27 5	4 45	21 3	0 38	17 5	2 31	1 0	0 10	21 46	0 29	21 52	0 20	11 50	0 45	22 37	0 54	15 42	7 5	14 4	13 40	10 19	10 53	1 12
M26	23 5	24 57	5 1	20 38	0 24	17 22	2 29	0 43	0 9	21 43	0 30	21 51	0 20	11 49	0 45	22 37	0 54	15 42	7 5	14 0	13 39	10 22	10 54	1 12
T 27	22 59	21 23	5 1	20 14	0 9	17 39	2 27	0 26	0 8	21 41	0 30	21 50	0 20	11 48	0 45	22 37	0 54	15 42	7 5	13 56	13 38	10 25	10 56	1 12
W28	22 54	16 39	4 43	19 50	0n 6	17 56	2 25	0 10	0 7	21 38	0 30	21 48	0 20	11 48	0 45	22 37	0 54	15 42	7 5	13 53	13 36	10 28	10 57	1 12
T 29	22 47	11 1	4 9	19 27	0 23	18 13	2 23	0n 7	0 5	21 36	0 30	21 47	0 20	11 47	0 44	22 37	0 54	15 42	7 5	13 51	13 35	10 31	10 58	1 12
F 30	22 41	4 48	3 20	19 6	0 40	18 28	2 21	0 24	0 4	21 33	0 30	21 46	0 20	11 46	0 44	22 37	0 54	15 42	7 5	13 50	13 34	10 35	11 0	1 11
S 31	22s33	1n42	2s19	18s47	0n58	18s44	2n19	0n41	0s 3	21s30	0s30	21s45	0s20	11s45	0s44	22s37	0n54	15n42	7s 5	13n49	13n33	10s38	11s 1	1s11

Julian Day Number = 2147273.5, Delta T = 14m36s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'29, Lahiri = 12°14'30 Julian Calendar 1 Dec. 1166 == Greg. Calendar 8 Dec. 1166

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

JANUARY 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 6 35	17♉15'51	23♈39	2°R22	5♐ 0	2♈30	26♉23	24♉ 3	1♓22	2♉54	15°R14	6°D42	5♉52	29♎12	25♎35	S 1
M 2	7 10 31	18°16'57	7♉47	2♒ 8	6°11	3° 9	26°37	24°10	1°25	2°56	15♊13	6°R43	5°49	29°19	25°39	M 2
T 3	7 14 28	19°18'01	21°58	1°43	7°22	3°49	26°51	24°17	1°28	2°59	15°12	6♉42	5°46	29°26	25°42	T 3
W 4	7 18 24	20°19'04	6♊11	1° 6	8°33	4°29	27° 6	24°24	1°30	3° 1	15°11	6°39	5°42	29°32	25°46	W 4
T 5	7 22 21	21°20'06	20°22	0°18	9°44	5° 8	27°20	24°31	1°33	3° 3	15°10	6°33	5°39	29°39	25°49	T 5
F 6	7 26 17	22°21'08	4♋28	29♉22	10°55	5°48	27°34	24°38	1°36	3° 5	15° 9	6°24	5°36	29°46	25°52	F 6
S 7	7 30 14	23°22'08	18°24	28°17	12° 7	6°28	27°48	24°46	1°39	3° 7	15° 8	6°13	5°33	29°52	25°55	S 7
S 8	7 34 10	24°23'07	2♌ 6	27° 7	13°18	7° 7	28° 3	24°53	1°42	3°10	15° 7	6° 0	5°30	29°59	25°58	S 8
M 9	7 38 7	25°24'06	15°29	25°53	14°30	7°47	28°17	25° 0	1°45	3°12	15° 7	5°47	5°26	0♏ 6	26° 1	M 9
T 10	7 42 4	26°25'03	28°32	24°38	15°41	8°27	28°31	25° 7	1°48	3°14	15° 6	5°35	5°23	0°12	26° 4	T 10
W11	7 46 0	27°26'00	11♍14	23°23	16°53	9° 6	28°45	25°14	1°51	3°16	15° 5	5°26	5°20	0°19	26° 6	W11
T 12	7 49 57	28°26'55	23°37	22°12	18° 4	9°46	29° 0	25°21	1°54	3°18	15° 4	5°19	5°17	0°26	26° 9	T 12
F 13	7 53 53	29°27'50	5♎44	21° 4	19°16	10°26	29°14	25°29	1°57	3°20	15° 3	5°14	5°14	0°32	26°11	F 13
S 14	7 57 50	0♒28'44	17°40	20° 3	20°28	11° 5	29°28	25°36	2° 0	3°22	15° 2	5°12	5°11	0°39	26°13	S 14
S 15	8 1 46	1°29'37	29°28	19° 9	21°40	11°45	29°42	25°43	2° 3	3°24	15° 2	5°12	5° 7	0°45	26°15	S 15
M16	8 5 43	2°30'29	11♏16	18°23	22°52	12°25	29°57	25°50	2° 6	3°26	15° 1	5°12	5° 4	0°52	26°18	M16
T 17	8 9 39	3°31'20	23° 8	17°45	24° 4	13° 5	0♒11	25°57	2° 9	3°28	15° 0	5°11	5° 1	0°59	26°19	T 17
W18	8 13 36	4°32'10	5♐11	17°15	25°16	13°44	0°25	26° 4	2°12	3°30	14°59	5° 8	4°58	1° 5	26°21	W18
T 19	8 17 33	5°33'00	17°27	16°54	26°28	14°24	0°40	26°11	2°15	3°32	14°59	5° 3	4°55	1°12	26°23	T 19
F 20	8 21 29	6°33'48	0♑ 3	16°41	27°40	15° 4	0°54	26°18	2°18	3°34	14°58	4°55	4°52	1°19	26°25	F 20
S 21	8 25 26	7°34'35	12°58	16°D36	28°53	15°43	1° 8	26°25	2°22	3°36	14°57	4°45	4°48	1°25	26°26	S 21
S 22	8 29 22	8°35'21	26°15	16°38	0♑ 5	16°23	1°22	26°33	2°25	3°38	14°57	4°32	4°45	1°32	26°27	S 22
M23	8 33 19	9°36'05	9♒52	16°47	1°17	17° 3	1°37	26°40	2°28	3°40	14°56	4°19	4°42	1°39	26°29	M23
T 24	8 37 15	10°36'48	23°45	17° 3	2°30	17°43	1°51	26°47	2°31	3°42	14°55	4° 6	4°39	1°45	26°30	T 24
W25	8 41 12	11°37'30	7♓49	17°25	3°42	18°22	2° 5	26°54	2°35	3°44	14°55	3°55	4°36	1°52	26°31	W25
T 26	8 45 9	12°38'09	22° 1	17°52	4°55	19° 2	2°19	27° 1	2°38	3°46	14°54	3°47	4°32	1°59	26°32	T 26
F 27	8 49 5	13°38'47	6♈16	18°24	6° 7	19°42	2°33	27° 8	2°41	3°48	14°54	3°42	4°29	2° 5	26°32	F 27
S 28	8 53 2	14°39'24	20°29	19° 1	7°20	20°22	2°47	27°15	2°44	3°50	14°53	3°40	4°26	2°12	26°33	S 28
S 29	8 56 58	15°39'58	4♉39	19°43	8°32	21° 1	3° 2	27°22	2°48	3°52	14°53	3°D40	4°23	2°19	26°34	S 29
M30	9 0 55	16°40'31	18°44	20°28	9°45	21°41	3°16	27°28	2°51	3°53	14°52	3°R40	4°20	2°25	26°34	M30
T 31	9 4 51	17♒41'01	2♊43	21♉17	10♉57	22♈21	3♒30	27♉35	2♓54	3♉55	14♊52	3♉39	4♉17	2♏32	26♎34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s26	8n10	1s 9	18s29	1n16	18s59	2n17	0n58	0s 2	21s28	0s30	21s44	0s20	11s44	0s44	22s37	0n54	15n42	7s 4	13n49	13n32	10s41	11s 2	1s11	
M 2	22 18	14 16	0n 6	18 14	1 35	19 14	2 15	1 15	0 1	21 25	0 30	21 43	0 20	11 43	0 44	22 37	0 54	15 42	7 4	13 49	13 31	10 44	11 3	1 11	
T 3	22 9	19 38	1 20	18 2	1 53	19 28	2 12	1 32	0n 0	21 22	0 30	21 41	0 20	11 42	0 44	22 37	0 54	15 42	7 4	13 49	13 30	10 47	11 5	1 11	
W 4	22 0	23 54	2 29	17 52	2 11	19 42	2 10	1 48	0 1	21 20	0 30	21 40	0 20	11 41	0 44	22 37	0 54	15 42	7 4	13 48	13 29	10 51	11 6	1 11	
T 5	21 51	26 41	3 29	17 46	2 28	19 55	2 7	2 5	0 2	21 17	0 30	21 39	0 20	11 40	0 44	22 37	0 54	15 42	7 4	13 46	13 28	10 54	11 7	1 10	
F 6	21 41	27 44	4 16	17 42	2 44	20 7	2 5	2 22	0 4	21 14	0 30	21 38	0 20	11 39	0 44	22 37	0 54	15 42	7 4	13 43	13 27	10 57	11 8	1 10	
S 7	21 31	27 0	4 47	17 41	2 59	20 20	2 2	2 39	0 5	21 12	0 30	21 37	0 20	11 38	0 44	22 37	0 54	15 42	7 4	13 39	13 26	11 0	11 9	1 10	
S 8	21 20	24 39	5 0	17 42	3 11	20 31	2 0	2 56	0 6	21 9	0 31	21 35	0 21	11 36	0 44	22 37	0 54	15 42	7 3	13 35	13 25	11 3	11 10	1 10	
M 9	21 9	20 59	4 56	17 46	3 21	20 43	1 57	3 12	0 7	21 6	0 31	21 34	0 21	11 35	0 44	22 37	0 54	15 42	7 3	13 31	13 24	11 6	11 10	1 10	
T 10	20 58	16 22	4 37	17 52	3 29	20 53	1 54	3 29	0 8	21 3	0 31	21 33	0 21	11 34	0 44	22 37	0 54	15 42	7 3	13 27	13 23	11 10	11 11	1 10	
W11	20 46	11 9	4 5	17 59	3 35	21 3	1 51	3 46	0 9	21 0	0 31	21 32	0 21	11 33	0 44	22 37	0 54	15 42	7 3	13 23	13 22	11 13	11 12	1 9	
T 12	20 34	5 37	3 21	18 8	3 37	21 13	1 48	4 2	0 10	20 58	0 31	21 30	0 21	11 32	0 44	22 36	0 54	15 42	7 3	13 21	13 21	11 16	11 13	1 9	
F 13	20 21	0s 0	2 29	18 18	3 38	21 22	1 45	4 19	0 11	20 55	0 31	21 29	0 21	11 31	0 44	22 36	0 54	15 42	7 3	13 20	13 19	11 19	11 14	1 9	
S 14	20 8	5 33	1 32	18 29	3 36	21 30	1 42	4 35	0 12	20 52	0 31	21 28	0 21	11 30	0 44	22 36	0 54	15 42	7 2	13 19	13 18	11 22	11 14	1 9	
S 15	19 55	10 52	0 30	18 40	3 33	21 38	1 39	4 52	0 13	20 49	0 31	21 27	0 21	11 29	0 44	22 36	0 54	15 43	7 2	13 19	13 17	11 25	11 15	1 9	
M16	19 41	15 47	0s32	18 52	3 27	21 45	1 36	5 8	0 14	20 46	0 31	21 25	0 21	11 28	0 44	22 36	0 54	15 43	7 2	13 19	13 16	11 29	11 15	1 9	
T 17	19 27	20 9	1 34	19 4	3 20	21 52	1 33	5 25	0 15	20 43	0 31	21 24	0 21	11 27	0 44	22 36	0 54	15 43	7 2	13 19	13 15	11 32	11 16	1 8	
W18	19 13	23 45	2 32	19 16	3 12	21 58	1 30	5 41	0 15	20 40	0 31	21 23	0 21	11 25	0 44	22 36	0 54	15 43	7 2	13 18	13 14	11 35	11 17	1 8	
T 19	18 58	26 20	3 24	19 27	3 3	22 3	1 27	5 57	0 16	20 37	0 32	21 22	0 21	11 24	0 44	22 36	0 54	15 43	7 2	13 16	13 13	11 38	11 17	1 8	
F 20	18 43	27 40	4 7	19 39	2 52	22 8	1 24	6 14	0 17	20 34	0 32	21 20	0 21	11 23	0 44	22 36	0 54	15 43	7 1	13 13	13 12	11 41	11 17	1 8	
S 21	18 28	27 33	4 39	19 50	2 42	22 12	1 20	6 30	0 18	20 31	0 32	21 19	0 22	11 22	0 44	22 36	0 54	15 43	7 1	13 10	13 11	11 44	11 18	1 8	
S 22	18 12	25 51	4 57	20 1	2 31	22 16	1 17	6 46	0 19	20 28	0 32	21 18	0 22	11 21	0 44	22 36	0 54	15 43	7 1	13 5	13 10	11 47	11 18	1 8	
M23	17 56	22 39	4 59	20 11	2 19	22 19	1 14	7 2	0 20	20 25	0 32	21 16	0 22	11 20	0 44	22 36	0 54	15 43	7 1	13 1	13 9	11 51	11 18	1 7	
T 24	17 39	18 7	4 43	20 21	2 7	22 21	1 11	7 18	0 21	20 22	0 32	21 15	0 22	11 18	0 44	22 36	0 54	15 43	7 1	12 57	13 8	11 54	11 19	1 7	
W25	17 23	12 32	4 10	20 30	1 56	22 22	1 7	7 34	0 22	20 19	0 32	21 14	0 22	11 17	0 44	22 36	0 54	15 44	7 1	12 53	13 7	11 57	11 19	1 7	
T 26	17 6	6 15	3 21	20 38	1 44	22 23	1 4	7 50	0 22	20 15	0 32	21 13	0 22	11 16	0 44	22 36	0 54	15 44	7 0	12 50	13 6	12 0	11 19	1 7	
F 27	16 48	0n22	2 20	20 45	1 32	22 24	1 1	8 6	0 23	20 12	0 32	21 11	0 22	11 15	0 44	22 36	0 54	15 44	7 0	12 49	13 5	12 3	11 19	1 7	
S 28	16 31	6 58	1 9	20 52	1 20	22 23	0 57	8 22	0 24	20 9	0 32	21 10	0 22	11 14	0 44	22 36	0 54	15 44	7 0	12 48	13 3	12 6	11 19	1 6	
S 29	16 13	13 13	0n 5	20 57	1 9	22 22	0 54	8 37	0 25	20 6	0 33	21 9	0 22	11 12	0 44	22 35	0 54	15 44	7 0	12 48	13 2	12 9	11 19	1 6	
M30	15 55	18 44	1 19	21 2	0 58	22 21	0 51	8 53	0 26	20 3	0 33	21 8	0 22	11 11	0 44	22 35	0 54	15 44	7 0	12 48	13 1	12 12	11 19	1 6	
T 31	15s36	23n13	2n27	21s 5	0n46	22s18	0n47	9n 9	0n26	20s 0	0s33	21s 6	0s22	11s10	0s44	22s35	0n54	15n44	6s59	12n47	13n 0	12s16	11s19	1s 6	

Julian Day Number = 2147304.5, Delta T = 14m36s
Ecliptic obliquity = 23°32'57, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'34, Lahiri = 12°14'34 Julian Calendar 1 Jan. 1167 == Greg. Calendar 8 Jan. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

FEBRUARY 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 8 48	18♒41'30	16♊37	22♑10	12♑10	23♈ 0	3♒44	27♑42	2♓58	3♑57	14°R51	3°R36	4♉13	2♏38	26♎34	W 1
T 2	9 12 44	19°41'57	0♋24	23° 5	13°23	23°40	3°58	27°49	3° 1	3°59	14♊51	3♉31	4°10	2°45	26°R34	T 2
F 3	9 16 41	20°42'22	14° 3	24° 4	14°35	24°20	4°12	27°56	3° 5	4° 0	14°50	3°22	4° 7	2°52	26°34	F 3
S 4	9 20 38	21°42'45	27°32	25° 5	15°48	25° 0	4°26	28° 3	3° 8	4° 2	14°50	3°12	4° 4	2°58	26°34	S 4
S 5	9 24 34	22°43'06	10♌49	26° 9	17° 1	25°39	4°40	28° 9	3°11	4° 4	14°50	3° 0	4° 1	3° 5	26°34	S 5
M 6	9 28 31	23°43'26	23°53	27°15	18°14	26°19	4°54	28°16	3°15	4° 5	14°49	2°47	3°58	3°12	26°34	M 6
T 7	9 32 27	24°43'43	6♍41	28°23	19°26	26°58	5° 8	28°23	3°18	4° 7	14°49	2°36	3°54	3°18	26°33	T 7
W 8	9 36 24	25°43'59	19°13	29°33	20°39	27°38	5°22	28°29	3°22	4° 9	14°49	2°26	3°51	3°25	26°32	W 8
T 9	9 40 20	26°44'13	1♎30	0♒45	21°52	28°18	5°35	28°36	3°25	4°10	14°48	2°19	3°48	3°32	26°32	T 9
F 10	9 44 17	27°44'26	13°35	1°59	23° 5	28°57	5°49	28°43	3°28	4°12	14°48	2°15	3°45	3°38	26°31	F 10
S 11	9 48 13	28°44'36	25°29	3°15	24°18	29°37	6° 3	28°49	3°32	4°13	14°48	2°13	3°42	3°45	26°30	S 11
S 12	9 52 10	29°44'46	7♏18	4°33	25°31	0♉16	6°17	28°56	3°35	4°15	14°48	2°D13	3°38	3°52	26°29	S 12
M13	9 56 6	0♓44'53	19° 5	5°52	26°44	0°56	6°30	29° 2	3°39	4°16	14°48	2°14	3°35	3°58	26°28	M13
T 14	10 0 3	1°44'59	0♐57	7°12	27°57	1°36	6°44	29° 9	3°42	4°18	14°47	2°R14	3°32	4° 5	26°26	T 14
W15	10 4 0	2°45'04	12°59	8°34	29°10	2°15	6°58	29°15	3°46	4°19	14°47	2°14	3°29	4°11	26°25	W15
T 16	10 7 56	3°45'06	25°16	9°58	0♒23	2°55	7°11	29°21	3°49	4°20	14°47	2°11	3°26	4°18	26°23	T 16
F 17	10 11 53	4°45'07	7♑53	11°22	1°36	3°34	7°25	29°28	3°52	4°22	14°47	2° 6	3°23	4°25	26°22	F 17
S 18	10 15 49	5°45'07	20°53	12°48	2°49	4°14	7°38	29°34	3°56	4°23	14°47	2° 0	3°19	4°31	26°20	S 18
S 19	10 19 46	6°45'04	4♒18	14°16	4° 2	4°53	7°51	29°40	3°59	4°24	14°47	1°51	3°16	4°38	26°18	S 19
M20	10 23 42	7°45'00	18° 7	15°45	5°15	5°33	8° 5	29°46	4° 3	4°26	14°47	1°42	3°13	4°45	26°16	M20
T 21	10 27 39	8°44'54	2♓18	17°15	6°29	6°12	8°18	29°52	4° 6	4°27	14°D47	1°33	3°10	4°51	26°14	T 21
W22	10 31 35	9°44'46	16°46	18°46	7°42	6°52	8°31	29°59	4°10	4°28	14°47	1°25	3° 7	4°58	26°12	W22
T 23	10 35 32	10°44'36	1♈24	20°18	8°55	7°31	8°45	0♒ 5	4°13	4°29	14°47	1°19	3° 3	5° 5	26°10	T 23
F 24	10 39 29	11°44'23	16° 5	21°52	10° 8	8°11	8°58	0°11	4°17	4°30	14°47	1°16	3° 0	5°11	26° 8	F 24
S 25	10 43 25	12°44'08	0♉43	23°27	11°21	8°50	9°11	0°17	4°20	4°32	14°47	1°D15	2°57	5°18	26° 5	S 25
S 26	10 47 22	13°43'52	15°11	25° 3	12°34	9°29	9°24	0°22	4°23	4°33	14°47	1°16	2°54	5°25	26° 3	S 26
M27	10 51 18	14°43'33	29°28	26°41	13°48	10° 9	9°37	0°28	4°27	4°34	14°47	1°17	2°51	5°31	26° 0	M27
T 28	10 55 15	15♓43'11	13♊30	28♒19	15♒ 1	10♉48	9♒50	0♒34	4♓30	4♑35	14♊47	1°R18	2♉48	5♏38	25♎57	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	15s18	26n18	3n27	21s 8	0n36	22s16	0n44	9n24	0n27	19s56	0s33	21s 5	0s22	11s 9	0s44	22s35	0n54	15n44	6s59	12n46	12n59	12s19	11s19	1s	6
T 2	14 59	27 46	4 13	21 9	0 25	22 12	0 41	9 40	0 28	19 53	0 33	21 4	0 23	11 8	0 44	22 35	0 54	15 45	6 59	12 45	12 58	12 22	11 19	1	6
F 3	14 39	27 32	4 45	21 9	0 15	22 8	0 37	9 55	0 29	19 50	0 33	21 2	0 23	11 6	0 44	22 35	0 54	15 45	6 59	12 42	12 57	12 25	11 19	1	5
S 4	14 20	25 39	5 0	21 8	0 5	22 3	0 34	10 11	0 29	19 47	0 33	21 1	0 23	11 5	0 44	22 35	0 54	15 45	6 59	12 38	12 56	12 28	11 18	1	5
S 5	14 0	22 23	4 59	21 6	0s 5	21 57	0 31	10 26	0 30	19 44	0 33	21 0	0 23	11 4	0 44	22 35	0 54	15 45	6 58	12 34	12 55	12 31	11 18	1	5
M 6	13 40	18 3	4 42	21 3	0 15	21 51	0 27	10 41	0 31	19 40	0 33	20 59	0 23	11 3	0 44	22 35	0 54	15 45	6 58	12 30	12 54	12 34	11 18	1	5
T 7	13 20	12 59	4 11	20 58	0 24	21 44	0 24	10 56	0 32	19 37	0 34	20 57	0 23	11 1	0 44	22 35	0 54	15 45	6 58	12 26	12 53	12 37	11 17	1	5
W 8	13 0	7 28	3 28	20 52	0 33	21 37	0 21	11 11	0 32	19 34	0 34	20 56	0 23	11 0	0 44	22 35	0 54	15 46	6 58	12 23	12 52	12 40	11 17	1	4
T 9	12 40	1 47	2 36	20 45	0 41	21 29	0 17	11 26	0 33	19 30	0 34	20 55	0 23	10 59	0 44	22 35	0 54	15 46	6 58	12 20	12 51	12 44	11 17	1	4
F 10	12 19	3s53	1 38	20 36	0 49	21 20	0 14	11 41	0 34	19 27	0 34	20 54	0 23	10 58	0 44	22 35	0 54	15 46	6 57	12 19	12 49	12 47	11 16	1	4
S 11	11 58	9 20	0 36	20 27	0 57	21 11	0 11	11 55	0 34	19 24	0 34	20 52	0 23	10 56	0 44	22 35	0 54	15 46	6 57	12 18	12 48	12 50	11 16	1	4
S 12	11 37	14 26	0s27	20 15	1 4	21 1	0 8	12 10	0 35	19 21	0 34	20 51	0 23	10 55	0 44	22 35	0 54	15 46	6 57	12 18	12 47	12 53	11 15	1	4
M13	11 16	19 0	1 29	20 3	1 12	20 50	0 5	12 25	0 36	19 17	0 34	20 50	0 24	10 54	0 44	22 35	0 54	15 46	6 57	12 18	12 46	12 56	11 14	1	3
T 14	10 54	22 51	2 28	19 49	1 18	20 39	0 1	12 39	0 36	19 14	0 34	20 48	0 24	10 53	0 44	22 34	0 54	15 47	6 57	12 18	12 45	12 59	11 14	1	3
W15	10 32	25 46	3 20	19 34	1 25	20 27	0s 2	12 53	0 37	19 11	0 35	20 47	0 24	10 51	0 44	22 34	0 54	15 47	6 56	12 18	12 44	13 2	11 13	1	3
T 16	10 11	27 33	4 5	19 17	1 31	20 14	0 5	13 8	0 38	19 7	0 35	20 46	0 24	10 50	0 44	22 34	0 54	15 47	6 56	12 17	12 43	13 5	11 12	1	3
F 17	9 49	27 57	4 39	19 0	1 36	20 1	0 8	13 22	0 38	19 4	0 35	20 45	0 24	10 49	0 44	22 34	0 54	15 47	6 56	12 16	12 42	13 8	11 11	1	2
S 18	9 27	26 52	5 0	18 40	1 42	19 48	0 11	13 36	0 39	19 1	0 35	20 44	0 24	10 48	0 44	22 34	0 54	15 47	6 56	12 13	12 41	13 11	11 11	1	2
S 19	9 4	24 13	5 5	18 20	1 47	19 34	0 14	13 50	0 39	18 57	0 35	20 42	0 24	10 46	0 44	22 34	0 54	15 48	6 56	12 10	12 40	13 14	11 10	1	2
M20	8 42	20 7	4 53	17 58	1 51	19 19	0 17	14 4	0 40	18 54	0 35	20 41	0 24	10 45	0 44	22 34	0 54	15 48	6 55	12 7	12 39	13 18	11 9	1	2
T 21	8 20	14 47	4 23	17 34	1 55	19 4	0 20	14 17	0 41	18 51	0 35	20 40	0 24	10 44	0 44	22 34	0 54	15 48	6 55	12 4	12 37	13 21	11 8	1	2
W22	7 57	8 33	3 36	17 9	1 59	18 48	0 23	14 31	0 41	18 47	0 36	20 39	0 24	10 43	0 44	22 34	0 54	15 48	6 55	12 1	12 36	13 24	11 7	1	1
T 23	7 34	1 47	2 34	16 43	2 3	18 32	0 26	14 45	0 42	18 44	0 36	20 38	0 24	10 41	0 44	22 34	0 54	15 48	6 55	11 59	12 35	13 27	11 6	1	1
F 24	7 12	5n 7	1 21	16 16	2 5	18 15	0 29	14 58	0 42	18 41	0 36	20 36	0 25	10 40	0 44	22 34	0 54	15 49	6 55	11 58	12 34	13 30	11 5	1	1
S 25	6 49	11 44	0 3	15 47	2 8	17 57	0 31	15 11	0 43	18 37	0 36	20 35	0 25	10 39	0 44	22 34	0 55	15 49	6 54	11 58	12 33	13 33	11 4	1	1
S 26	6 26	17 39	1n15	15 16	2 10	17 39	0 34	15 24	0 44	18 34	0 36	20 34	0 25	10 38	0 44	22 34	0 55	15 49	6 54	11 58	12 32	13 36	11 2	1	0
M27	6 3	22 31	2 26	14 45	2 12	17 21	0 37	15 37	0 44	18 30	0 36	20 33	0 25	10 36	0 44	22 34	0 55	15 49	6 54	11 58	12 31	13 39	11 1	1	0
T 28	5s39	25n58	3n28	14s11	2s13	17s 2	0s39	15n50	0n45	18s27	0s36	20s32	0s25	10s35	0s44	22s34	0n55	15n49	6s54	11n59	12n30	13s42	11s 0	1s	0

Julian Day Number = 2147335.5, Delta T = 14m35s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'38, Lahiri = 12°14'38 Julian Calendar 1 Feb. 1167 == Greg. Calendar 8 Feb. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

MARCH 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 59 11	16♓42'47	27♊19	29♒59	16♒14	11♉28	10♒ 3	0♒40	4♓34	4♑36	14♊48	1°R17	2♉44	5♏45	25°R55	W 1
T 2	11 3 8	17°42'21	10♋53	1♓40	17°27	12° 7	10°16	0°45	4°37	4°37	14°48	1♉15	2°41	5°51	25♎52	T 2
F 3	11 7 4	18°41'53	24°13	3°23	18°40	12°46	10°28	0°51	4°40	4°38	14°48	1°11	2°38	5°58	25°49	F 3
S 4	11 11 1	19°41'22	7♌20	5° 7	19°54	13°26	10°41	0°56	4°44	4°39	14°48	1° 5	2°35	6° 4	25°46	S 4
S 5	11 14 58	20°40'49	20°14	6°51	21° 7	14° 5	10°54	1° 2	4°47	4°39	14°49	0°58	2°32	6°11	25°42	S 5
M 6	11 18 54	21°40'13	2♍56	8°38	22°20	14°44	11° 6	1° 7	4°50	4°40	14°49	0°51	2°29	6°18	25°39	M 6
T 7	11 22 51	22°39'36	15°25	10°25	23°33	15°23	11°19	1°13	4°54	4°41	14°49	0°44	2°25	6°24	25°36	T 7
W 8	11 26 47	23°38'56	27°42	12°14	24°47	16° 3	11°31	1°18	4°57	4°42	14°49	0°38	2°22	6°31	25°33	W 8
T 9	11 30 44	24°38'14	9♎49	14° 4	26° 0	16°42	11°43	1°23	5° 0	4°43	14°50	0°35	2°19	6°38	25°29	T 9
F 10	11 34 40	25°37'30	21°47	15°56	27°13	17°21	11°56	1°28	5° 4	4°43	14°50	0°33	2°16	6°44	25°26	F 10
S 11	11 38 37	26°36'44	3♏39	17°49	28°26	18° 0	12° 8	1°33	5° 7	4°44	14°51	0°D32	2°13	6°51	25°22	S 11
S 12	11 42 33	27°35'56	15°26	19°43	29°40	18°40	12°20	1°39	5°10	4°45	14°51	0°33	2° 9	6°58	25°18	S 12
M13	11 46 30	28°35'07	27°14	21°39	0♓53	19°19	12°32	1°43	5°13	4°45	14°51	0°35	2° 6	7° 4	25°14	M13
T 14	11 50 27	29°34'15	9♐ 6	23°36	2° 6	19°58	12°44	1°48	5°17	4°46	14°52	0°37	2° 3	7°11	25°11	T 14
W15	11 54 23	0♈33'22	21° 8	25°34	3°20	20°37	12°56	1°53	5°20	4°46	14°52	0°38	2° 0	7°18	25° 7	W15
T 16	11 58 20	1°32'27	3♑23	27°33	4°33	21°16	13° 7	1°58	5°23	4°47	14°53	0°R38	1°57	7°24	25° 3	T 16
F 17	12 2 16	2°31'30	15°57	29°34	5°46	21°55	13°19	2° 3	5°26	4°47	14°53	0°38	1°54	7°31	24°59	F 17
S 18	12 6 13	3°30'32	28°54	1♈36	7° 0	22°34	13°31	2° 7	5°29	4°48	14°54	0°36	1°50	7°37	24°55	S 18
S 19	12 10 9	4°29'31	12♒17	3°39	8°13	23°13	13°42	2°12	5°32	4°48	14°55	0°32	1°47	7°44	24°51	S 19
M20	12 14 6	5°28'29	26° 8	5°42	9°26	23°52	13°54	2°16	5°35	4°49	14°55	0°29	1°44	7°51	24°47	M20
T 21	12 18 2	6°27'25	10♓24	7°47	10°40	24°31	14° 5	2°21	5°39	4°49	14°56	0°25	1°41	7°57	24°42	T 21
W22	12 21 59	7°26'18	25° 2	9°52	11°53	25°10	14°16	2°25	5°42	4°49	14°56	0°22	1°38	8° 4	24°38	W22
T 23	12 25 56	8°25'10	9♈56	11°58	13° 6	25°49	14°28	2°29	5°45	4°50	14°57	0°20	1°35	8°11	24°34	T 23
F 24	12 29 52	9°24'00	24°57	14° 4	14°20	26°28	14°39	2°33	5°48	4°50	14°58	0°D19	1°31	8°17	24°29	F 24
S 25	12 33 49	10°22'47	9♉57	16°10	15°33	27° 7	14°50	2°38	5°51	4°50	14°58	0°19	1°28	8°24	24°25	S 25
S 26	12 37 45	11°21'33	24°48	18°15	16°47	27°46	15° 0	2°42	5°54	4°50	14°59	0°20	1°25	8°31	24°21	S 26
M27	12 41 42	12°20'16	9♊24	20°20	18° 0	28°25	15°11	2°45	5°57	4°51	15° 0	0°22	1°22	8°37	24°16	M27
T 28	12 45 38	13°18'57	23°41	22°24	19°13	29° 4	15°22	2°49	5°59	4°51	15° 1	0°23	1°19	8°44	24°12	T 28
W29	12 49 35	14°17'36	7♋35	24°27	20°27	29°43	15°32	2°53	6° 2	4°51	15° 1	0°23	1°15	8°51	24° 7	W29
T 30	12 53 31	15°16'13	21° 9	26°29	21°40	0♊22	15°43	2°57	6° 5	4°51	15° 2	0°R23	1°12	8°57	24° 3	T 30
F 31	12 57 28	16♈14'47	4♌22	28♈28	22♓53	1♊ 1	15♒53	3♒ 0	6♓ 8	4°R51	15♊ 3	0♉23	1♉ 9	9♏ 4	23♎58	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s16	27n48	4n17	13s37	2s14	16s43	0s42	16n 3	0n45	18s24	0s37	20s31	0s25	10s34	0s44	22s34	0n55	15n50	6s54	11n59	12n29	13s45	10s59	1s 0
T 2	4 53	27 55	4 50	13 1	2 14	16 23	0 44	16 16	0 46	18 20	0 37	20 29	0 25	10 33	0 44	22 34	0 55	15 50	6 53	11 58	12 28	13 48	10 58	0 59
F 3	4 29	26 24	5 7	12 24	2 14	16 2	0 47	16 29	0 46	18 17	0 37	20 28	0 25	10 31	0 44	22 34	0 55	15 50	6 53	11 56	12 27	13 51	10 56	0 59
S 4	4 6	23 28	5 7	11 45	2 14	15 42	0 49	16 41	0 47	18 14	0 37	20 27	0 25	10 30	0 44	22 33	0 55	15 50	6 53	11 54	12 25	13 54	10 55	0 59
S 5	3 43	19 25	4 52	11 5	2 12	15 21	0 52	16 53	0 47	18 11	0 37	20 26	0 25	10 29	0 44	22 33	0 55	15 51	6 53	11 52	12 24	13 57	10 53	0 59
M 6	3 19	14 33	4 23	10 24	2 11	14 59	0 54	17 5	0 48	18 7	0 37	20 25	0 26	10 28	0 44	22 33	0 55	15 51	6 53	11 49	12 23	14 0	10 52	0 58
T 7	2 56	9 10	3 41	9 41	2 9	14 37	0 56	17 18	0 48	18 4	0 37	20 24	0 26	10 26	0 44	22 33	0 55	15 51	6 52	11 47	12 22	14 3	10 51	0 58
W 8	2 32	3 30	2 49	8 57	2 6	14 14	0 58	17 29	0 49	18 1	0 38	20 23	0 26	10 25	0 44	22 33	0 55	15 51	6 52	11 45	12 21	14 6	10 49	0 58
T 9	2 8	2s13	1 51	8 11	2 3	13 52	1 1	17 41	0 49	17 57	0 38	20 22	0 26	10 24	0 44	22 33	0 55	15 52	6 52	11 44	12 20	14 9	10 48	0 58
F 10	1 45	7 48	0 48	7 25	2 0	13 28	1 3	17 53	0 50	17 54	0 38	20 21	0 26	10 23	0 44	22 33	0 55	15 52	6 52	11 43	12 19	14 12	10 46	0 57
S 11	1 21	13 3	0s17	6 37	1 56	13 5	1 5	18 4	0 50	17 51	0 38	20 20	0 26	10 22	0 44	22 33	0 55	15 52	6 52	11 43	12 18	14 15	10 44	0 57
S 12	0 58	17 50	1 21	5 48	1 51	12 41	1 7	18 16	0 50	17 48	0 38	20 19	0 26	10 20	0 44	22 33	0 55	15 52	6 51	11 43	12 17	14 18	10 43	0 57
M13	0 34	21 55	2 21	4 57	1 46	12 17	1 9	18 27	0 51	17 44	0 38	20 18	0 26	10 19	0 44	22 33	0 55	15 53	6 51	11 44	12 16	14 21	10 41	0 57
T 14	0 10	25 8	3 16	4 6	1 41	11 52	1 10	18 38	0 51	17 41	0 39	20 17	0 26	10 18	0 44	22 33	0 55	15 53	6 51	11 44	12 14	14 25	10 40	0 56
W15	0n13	27 17	4 3	3 13	1 34	11 27	1 12	18 49	0 52	17 38	0 39	20 16	0 27	10 17	0 44	22 33	0 55	15 53	6 51	11 45	12 13	14 28	10 38	0 56
T 16	0 37	28 10	4 39	2 19	1 28	11 2	1 14	19 0	0 52	17 35	0 39	20 15	0 27	10 16	0 44	22 33	0 55	15 53	6 51	11 45	12 12	14 31	10 36	0 56
F 17	1 1	27 37	5 4	1 24	1 21	10 36	1 15	19 11	0 53	17 31	0 39	20 14	0 27	10 15	0 44	22 33	0 55	15 54	6 50	11 45	12 11	14 34	10 34	0 55
S 18	1 24	25 35	5 14	0 28	1 13	10 10	1 17	19 21	0 53	17 28	0 39	20 13	0 27	10 13	0 44	22 33	0 55	15 54	6 50	11 44	12 10	14 37	10 33	0 55
S 19	1 48	22 6	5 8	0n28	1 5	9 44	1 19	19 31	0 53	17 25	0 39	20 12	0 27	10 12	0 44	22 33	0 55	15 54	6 50	11 43	12 9	14 40	10 31	0 55
M20	2 11	17 18	4 43	1 25	0 56	9 18	1 20	19 42	0 54	17 22	0 40	20 11	0 27	10 11	0 44	22 33	0 55	15 54	6 50	11 42	12 8	14 43	10 29	0 55
T 21	2 35	11 25	4 1	2 23	0 47	8 51	1 21	19 52	0 54	17 19	0 40	20 10	0 27	10 10	0 44	22 33	0 55	15 55	6 50	11 40	12 7	14 46	10 27	0 54
W22	2 58	4 46	3 2	3 21	0 37	8 24	1 23	20 2	0 55	17 16	0 40	20 9	0 27	10 9	0 44	22 33	0 55	15 55	6 49	11 39	12 6	14 49	10 25	0 54
T 23	3 21	2n16	1 50	4 20	0 27	7 57	1 24	20 11	0 55	17 13	0 40	20 8	0 27	10 8	0 44	22 33	0 55	15 55	6 49	11 39	12 5	14 52	10 24	0 54
F 24	3 44	9 15	0 30	5 19	0 17	7 30	1 25	20 21	0 55	17 10	0 40	20 8	0 28	10 7	0 44	22 33	0 55	15 55	6 49	11 38	12 3	14 55	10 22	0 53
S 25	4 8	15 42	0n53	6 17	0 6	7 2	1 26	20 31	0 56	17 7	0 41	20 7	0 28	10 6	0 44	22 33	0 55	15 56	6 49	11 38	12 2	14 58	10 20	0 53
S 26	4 31	21 11	2 11	7 16	0n 4	6 35	1 27	20 40	0 56	17 3	0 41	20 6	0 28	10 5	0 44	22 33	0 55	15 56	6 49	11 39	12 1	15 0	10 18	0 53
M27	4 54	25 15	3 20	8 13	0 16	6 7	1 28	20 49	0 56	17 0	0 41	20 5	0 28	10 4	0 44	22 33	0 55	15 56	6 48	11 39	12 0	15 3	10 16	0 52
T 28	5 17	27 38	4 14	9 10	0 27	5 39	1 29	20 58	0 57	16 57	0 41	20 4	0 28	10 2	0 44	22 33	0 55	15 56	6 48	11 39	11 59	15 6	10 14	0 52
W29	5 40	28 11	4 52	10 6	0 38	5 11	1 30	21 7	0 57	16 55	0 41	20 4	0 28	10 1	0 44	22 32	0 55	15 57	6 48	11 40	11 58	15 9	10 12	0 52
T 30	6 2	27 1	5 12	11 1	0 49	4 42	1 30	21 15	0 57	16 52	0 42	20 3	0 28	10 0	0 44	22 32	0 55	15 57	6 48	11 40	11 57	15 12	10 10	0 52
F 31	6n25	24n22	5n16	11n55	1n 0	4s14	1s31	21n24	0n58	16s49	0s42	20s 2	0s28	9s59	0s44	22s32	0n55	15n57	6s48	11n39	11n56	15s15	10s 8	0s51

Julian Day Number = 2147363.5, Delta T = 14m35s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'42, Lahiri = 12°14'42 Julian Calendar 1 March 1167 == Greg. Calendar 8 March 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

APRIL 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 25	17♈13'19	17♌16	0♉26	24♓ 7	1♊40	16♒ 3	3♒ 4	6♓11	4°R51	15♊ 4	0°R22	1♉ 6	9♏11	23°R54	S 1
S 2	13 5 21	18°11'49	29°54	2°20	25°20	2°19	16°14	3° 7	6°14	4♑51	15° 5	0♉20	1° 3	9°17	23♎49	S 2
M 3	13 9 18	19°10'16	12♍19	4°12	26°33	2°57	16°24	3°11	6°16	4°51	15° 6	0°18	1° 0	9°24	23°44	M 3
T 4	13 13 14	20° 8'42	24°32	6° 1	27°47	3°36	16°34	3°14	6°19	4°51	15° 6	0°17	0°56	9°30	23°40	T 4
W 5	13 17 11	21° 7'05	6♎36	7°46	29° 0	4°15	16°43	3°17	6°22	4°51	15° 7	0°16	0°53	9°37	23°35	W 5
T 6	13 21 7	22° 5'26	18°33	9°28	0♈13	4°54	16°53	3°20	6°24	4°50	15° 8	0°15	0°50	9°44	23°31	T 6
F 7	13 25 4	23° 3'46	0♏24	11° 7	1°27	5°33	17° 3	3°23	6°27	4°50	15° 9	0°D15	0°47	9°50	23°26	F 7
S 8	13 29 0	24° 2'04	12°13	12°41	2°40	6°11	17°12	3°26	6°30	4°50	15°10	0°15	0°44	9°57	23°21	S 8
S 9	13 32 57	25° 0'20	24° 0	14°11	3°54	6°50	17°21	3°29	6°32	4°50	15°11	0°15	0°40	10° 4	23°17	S 9
M10	13 36 53	25°58'34	5♐50	15°37	5° 7	7°29	17°31	3°32	6°35	4°49	15°12	0°16	0°37	10°10	23°12	M10
T 11	13 40 50	26°56'47	17°45	16°59	6°20	8° 7	17°40	3°34	6°37	4°49	15°13	0°16	0°34	10°17	23° 8	T 11
W12	13 44 47	27°54'58	29°49	18°16	7°34	8°46	17°49	3°37	6°40	4°49	15°14	0°17	0°31	10°24	23° 3	W12
T 13	13 48 43	28°53'07	12♑ 5	19°29	8°47	9°25	17°58	3°39	6°42	4°48	15°15	0°17	0°28	10°30	22°58	T 13
F 14	13 52 40	29°51'16	24°38	20°37	10° 0	10° 3	18° 6	3°42	6°44	4°48	15°16	0°17	0°25	10°37	22°54	F 14
S 15	13 56 36	0♉49'22	7♒31	21°40	11°14	10°42	18°15	3°44	6°47	4°47	15°17	0°17	0°21	10°44	22°49	S 15
S 16	14 0 33	1°47'27	20°48	22°39	12°27	11°20	18°23	3°46	6°49	4°47	15°18	0°17	0°18	10°50	22°45	S 16
M17	14 4 29	2°45'31	4♓30	23°33	13°40	11°59	18°32	3°48	6°51	4°46	15°19	0°17	0°15	10°57	22°40	M17
T 18	14 8 26	3°43'33	18°39	24°23	14°54	12°38	18°40	3°50	6°54	4°46	15°20	0°17	0°12	11° 3	22°36	T 18
W19	14 12 22	4°41'34	3♈13	25° 7	16° 7	13°16	18°48	3°52	6°56	4°45	15°22	0°18	0° 9	11°10	22°31	W19
T 20	14 16 19	5°39'33	18° 7	25°46	17°21	13°55	18°56	3°54	6°58	4°45	15°23	0°18	0° 6	11°17	22°27	T 20
F 21	14 20 16	6°37'31	3♉14	26°21	18°34	14°33	19° 4	3°56	7° 0	4°44	15°24	0°R18	0° 2	11°23	22°22	F 21
S 22	14 24 12	7°35'28	18°26	26°50	19°47	15°12	19°11	3°57	7° 2	4°43	15°25	0°18	29♈59	11°30	22°18	S 22
S 23	14 28 9	8°33'22	3♊33	27°14	21° 1	15°50	19°19	3°59	7° 4	4°43	15°26	0°17	29°56	11°37	22°14	S 23
M24	14 32 5	9°31'15	18°25	27°33	22°14	16°29	19°26	4° 0	7° 6	4°42	15°27	0°16	29°53	11°43	22° 9	M24
T 25	14 36 2	10°29'07	2♋57	27°47	23°28	17° 7	19°33	4° 2	7° 8	4°41	15°29	0°15	29°50	11°50	22° 5	T 25
W26	14 39 58	11°26'57	17° 4	27°56	24°41	17°46	19°40	4° 3	7°10	4°40	15°30	0°14	29°46	11°57	22° 1	W26
T 27	14 43 55	12°24'44	0♌44	28°R 1	25°54	18°24	19°47	4° 4	7°12	4°40	15°31	0°13	29°43	12° 3	21°57	T 27
F 28	14 47 52	13°22'30	13°59	28° 0	27° 8	19° 3	19°54	4° 5	7°14	4°39	15°32	0°D13	29°40	12°10	21°53	F 28
S 29	14 51 48	14°20'15	26°50	27°54	28°21	19°41	20° 1	4° 6	7°16	4°38	15°33	0°13	29°37	12°17	21°49	S 29
S 30	14 55 45	15♉17'57	9♍22	27♉44	29♈35	20♊20	20♒ 7	4♒ 7	7♓17	4♑37	15♊35	0♉14	29♈34	12♏23	21♎45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n48	20n32	5n 3	12n47	1n11	3s45	1s32	21n32	0n58	16s46	0s42	20s 2	0s29	9s58	0s44	22s32	0n55	15n57	6s48	11n39	11n55	15s18	10s 6	0s51
S 2	7 10	15 51	4 36	13 37	1 21	3 16	1 32	21 40	0 58	16 43	0 42	20 1	0 29	9 57	0 44	22 32	0 55	15 58	6 47	11 38	11 53	15 21	10 4	0 51
M 3	7 32	10 36	3 56	14 25	1 31	2 47	1 33	21 48	0 59	16 40	0 42	20 0	0 29	9 56	0 44	22 32	0 55	15 58	6 47	11 38	11 52	15 24	10 2	0 50
T 4	7 55	5 1	3 5	15 10	1 41	2 18	1 33	21 56	0 59	16 37	0 43	20 0	0 29	9 55	0 44	22 32	0 55	15 58	6 47	11 37	11 51	15 27	10 0	0 50
W 5	8 17	0s41	2 8	15 54	1 50	1 49	1 33	22 4	0 59	16 35	0 43	19 59	0 29	9 54	0 44	22 32	0 55	15 58	6 47	11 37	11 50	15 30	9 58	0 50
T 6	8 39	6 18	1 5	16 35	1 59	1 20	1 33	22 11	1 0	16 32	0 43	19 58	0 29	9 53	0 45	22 32	0 55	15 59	6 47	11 37	11 49	15 33	9 56	0 49
F 7	9 0	11 41	0s 1	17 14	2 7	0 51	1 34	22 19	1 0	16 29	0 43	19 58	0 29	9 52	0 45	22 32	0 55	15 59	6 47	11 37	11 48	15 36	9 54	0 49
S 8	9 22	16 37	1 6	17 50	2 14	0 22	1 34	22 26	1 0	16 26	0 43	19 57	0 29	9 52	0 45	22 32	0 55	15 59	6 46	11 37	11 47	15 39	9 52	0 49
S 9	9 43	20 56	2 8	18 24	2 21	0n 7	1 34	22 33	1 1	16 24	0 44	19 57	0 30	9 51	0 45	22 32	0 55	16 0	6 46	11 37	11 46	15 42	9 50	0 48
M10	10 5	24 25	3 5	18 55	2 26	0 37	1 34	22 39	1 1	16 21	0 44	19 56	0 30	9 50	0 45	22 32	0 55	16 0	6 46	11 37	11 45	15 45	9 48	0 48
T 11	10 26	26 52	3 55	19 24	2 31	1 6	1 34	22 46	1 1	16 18	0 44	19 56	0 30	9 49	0 45	22 32	0 55	16 0	6 46	11 37	11 43	15 48	9 46	0 48
W12	10 47	28 7	4 34	19 50	2 35	1 35	1 33	22 53	1 1	16 16	0 44	19 55	0 30	9 48	0 45	22 32	0 55	16 0	6 46	11 37	11 42	15 51	9 44	0 47
T 13	11 8	28 0	5 2	20 13	2 38	2 4	1 33	22 59	1 2	16 13	0 44	19 55	0 30	9 47	0 45	22 32	0 55	16 1	6 46	11 37	11 41	15 54	9 42	0 47
F 14	11 28	26 29	5 16	20 34	2 41	2 34	1 33	23 5	1 2	16 11	0 45	19 54	0 30	9 46	0 45	22 32	0 55	16 1	6 45	11 37	11 40	15 57	9 40	0 47
S 15	11 49	23 33	5 15	20 52	2 42	3 3	1 32	23 11	1 2	16 8	0 45	19 54	0 30	9 45	0 45	22 32	0 55	16 1	6 45	11 37	11 39	16 0	9 38	0 46
S 16	12 9	19 19	4 58	21 8	2 42	3 32	1 32	23 16	1 2	16 6	0 45	19 53	0 30	9 45	0 45	22 32	0 56	16 1	6 45	11 37	11 38	16 2	9 36	0 46
M17	12 29	13 59	4 23	21 21	2 41	4 1	1 31	23 22	1 3	16 4	0 45	19 53	0 31	9 44	0 45	22 32	0 56	16 2	6 45	11 37	11 37	16 5	9 34	0 46
T 18	12 49	7 45	3 31	21 32	2 40	4 30	1 31	23 27	1 3	16 1	0 46	19 53	0 31	9 43	0 45	22 32	0 56	16 2	6 45	11 38	11 36	16 8	9 32	0 45
W19	13 9	0 56	2 25	21 40	2 37	4 59	1 30	23 32	1 3	15 59	0 46	19 52	0 31	9 42	0 45	22 32	0 56	16 2	6 45	11 38	11 34	16 11	9 30	0 45
T 20	13 28	6n 6	1 7	21 46	2 33	5 28	1 29	23 37	1 3	15 57	0 46	19 52	0 31	9 41	0 45	22 32	0 56	16 2	6 44	11 38	11 33	16 14	9 28	0 44
F 21	13 47	12 54	0n16	21 49	2 28	5 57	1 29	23 42	1 4	15 55	0 46	19 52	0 31	9 41	0 45	22 32	0 56	16 3	6 44	11 38	11 32	16 17	9 26	0 44
S 22	14 6	18 59	1 39	21 50	2 22	6 25	1 28	23 47	1 4	15 52	0 46	19 52	0 31	9 40	0 45	22 32	0 56	16 3	6 44	11 38	11 31	16 20	9 24	0 44
S 23	14 25	23 49	2 54	21 49	2 15	6 54	1 27	23 51	1 4	15 50	0 47	19 51	0 31	9 39	0 45	22 32	0 56	16 3	6 44	11 38	11 30	16 23	9 22	0 43
M24	14 44	26 58	3 57	21 45	2 6	7 22	1 26	23 56	1 4	15 48	0 47	19 51	0 32	9 38	0 45	22 32	0 56	16 3	6 44	11 37	11 29	16 26	9 20	0 43
T 25	15 2	28 13	4 42	21 39	1 57	7 50	1 25	24 0	1 5	15 46	0 47	19 51	0 32	9 38	0 45	22 32	0 56	16 4	6 44	11 37	11 28	16 29	9 18	0 43
W26	15 20	27 33	5 9	21 31	1 46	8 18	1 24	24 3	1 5	15 44	0 47	19 51	0 32	9 37	0 45	22 32	0 56	16 4	6 44	11 36	11 27	16 31	9 16	0 42
T 27	15 38	25 14	5 17	21 21	1 35	8 46	1 23	24 7	1 5	15 42	0 48	19 51	0 32	9 36	0 45	22 32	0 56	16 4	6 44	11 36	11 26	16 34	9 14	0 42
F 28	15 56	21 37	5 8	21 9	1 22	9 14	1 22	24 11	1 5	15 40	0 48	19 51	0 32	9 36	0 45	22 32	0 56	16 5	6 43	11 36	11 24	16 37	9 12	0 42
S 29	16 13	17 4	4 44	20 54	1 9	9 41	1 20	24 14	1 5	15 38	0 48	19 50	0 32	9 35	0 45	22 32	0 56	16 5	6 43	11 36	11 23	16 40	9 11	0 41
S 30	16n30	11n54	4n 6	20n38	0n55	10n 9	1s19	24n17	1n 6	15s37	0s48	19s50	0s32	9s34	0s45	22s32	0n56	16n 5	6s43	11n36	11n22	16s43	9s 9	0s41

Julian Day Number = 2147394.5, Delta T = 14m35s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'46, Lahiri = 12°14'46 Julian Calendar 1 Apr. 1167 == Greg. Calendar 8 Apr. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

MAY 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 59 41	16♉15'38	21♍37	27°R30	0♉48	20♊58	20♒13	4♒ 8	7♓19	4°R36	15♊36	0♉16	29♈31	12♏30	21°R41	M 1
T 2	15 3 38	17°13'18	3♎40	27♉12	2° 1	21°36	20°19	4° 8	7°21	4♑35	15°37	0°17	29°27	12°37	21♎37	T 2
W 3	15 7 34	18°10'55	15°35	26°50	3°15	22°15	20°25	4° 9	7°23	4°34	15°39	0°18	29°24	12°43	21°33	W 3
T 4	15 11 31	19° 8'32	27°25	26°25	4°28	22°53	20°31	4° 9	7°24	4°33	15°40	0°R19	29°21	12°50	21°30	T 4
F 5	15 15 27	20° 6'07	9♏13	25°57	5°41	23°31	20°37	4°10	7°26	4°32	15°41	0°18	29°18	12°57	21°26	F 5
S 6	15 19 24	21° 3'40	21° 1	25°27	6°55	24°10	20°42	4°10	7°27	4°31	15°42	0°17	29°15	13° 3	21°22	S 6
S 7	15 23 20	22° 1'13	2♐52	24°55	8° 8	24°48	20°48	4°10	7°29	4°30	15°44	0°15	29°12	13°10	21°19	S 7
M 8	15 27 17	22°58'45	14°47	24°21	9°22	25°26	20°53	4°R10	7°30	4°29	15°45	0°12	29° 8	13°16	21°15	M 8
T 9	15 31 14	23°56'15	26°50	23°48	10°35	26° 5	20°58	4°10	7°31	4°28	15°46	0° 8	29° 5	13°23	21°12	T 9
W10	15 35 10	24°53'44	9♑ 1	23°14	11°48	26°43	21° 3	4°10	7°33	4°27	15°48	0° 4	29° 2	13°30	21° 9	W10
T 11	15 39 7	25°51'13	21°23	22°40	13° 2	27°21	21° 7	4°10	7°34	4°26	15°49	0° 1	28°59	13°36	21° 5	T 11
F 12	15 43 3	26°48'41	4♒ 0	22° 8	14°15	27°59	21°12	4°10	7°35	4°24	15°50	29♈58	28°56	13°43	21° 2	F 12
S 13	15 47 0	27°46'07	16°53	21°37	15°29	28°38	21°16	4° 9	7°36	4°23	15°52	29°56	28°52	13°50	20°59	S 13
S 14	15 50 56	28°43'33	0♓ 6	21° 9	16°42	29°16	21°20	4° 9	7°38	4°22	15°53	29°D56	28°49	13°56	20°56	S 14
M15	15 54 53	29°40'59	13°40	20°43	17°56	29°54	21°24	4° 8	7°39	4°21	15°55	29°56	28°46	14° 3	20°53	M15
T 16	15 58 50	0♊38'23	27°37	20°21	19° 9	0♋32	21°28	4° 7	7°40	4°20	15°56	29°57	28°43	14°10	20°51	T 16
W17	16 2 46	1°35'47	11♈58	20° 1	20°22	1°10	21°31	4° 7	7°41	4°18	15°57	29°59	28°40	14°16	20°48	W17
T 18	16 6 43	2°33'10	26°40	19°46	21°36	1°49	21°35	4° 6	7°42	4°17	15°59	29°R59	28°37	14°23	20°45	T 18
F 19	16 10 39	3°30'33	11♉38	19°34	22°49	2°27	21°38	4° 5	7°43	4°16	16° 0	29°59	28°33	14°30	20°43	F 19
S 20	16 14 36	4°27'55	26°45	19°27	24° 3	3° 5	21°41	4° 4	7°43	4°14	16° 2	29°57	28°30	14°36	20°40	S 20
S 21	16 18 32	5°25'16	11♊52	19°D24	25°16	3°43	21°44	4° 2	7°44	4°13	16° 3	29°54	28°27	14°43	20°38	S 21
M22	16 22 29	6°22'37	26°50	19°25	26°30	4°21	21°47	4° 1	7°45	4°12	16° 4	29°49	28°24	14°50	20°36	M22
T 23	16 26 25	7°19'57	11♋30	19°31	27°43	5° 0	21°49	4° 0	7°46	4°10	16° 6	29°43	28°21	14°56	20°33	T 23
W24	16 30 22	8°17'15	25°46	19°41	28°57	5°38	21°52	3°58	7°46	4° 9	16° 7	29°38	28°18	15° 3	20°31	W24
T 25	16 34 19	9°14'33	9♌34	19°56	0♊10	6°16	21°54	3°57	7°47	4° 7	16° 9	29°34	28°14	15°10	20°29	T 25
F 26	16 38 15	10°11'50	22°54	20°15	1°24	6°54	21°56	3°55	7°48	4° 6	16°10	29°31	28°11	15°16	20°27	F 26
S 27	16 42 12	11° 9'06	5♍47	20°39	2°37	7°32	21°57	3°53	7°48	4° 4	16°12	29°D29	28° 8	15°23	20°26	S 27
S 28	16 46 8	12° 6'20	18°18	21° 7	3°51	8°10	21°59	3°52	7°49	4° 3	16°13	29°29	28° 5	15°29	20°24	S 28
M29	16 50 5	13° 3'34	0♎31	21°40	5° 4	8°48	22° 0	3°50	7°49	4° 2	16°14	29°30	28° 2	15°36	20°22	M29
T 30	16 54 1	14° 0'48	12°31	22°17	6°18	9°26	22° 1	3°48	7°49	4° 0	16°16	29°32	27°58	15°43	20°21	T 30
W31	16 57 58	14♊58'00	24♎22	22♉58	7♊31	10♋ 4	22♒ 2	3♒46	7♓50	3♑59	16♊17	29°R33	27♈55	15♏49	20♎20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n47	6n22	3n18	20n20	0n40	10n36	1s18	24n20	1n 6	15s35	0s49	19s50	0s32	9s34	0s45	22s32	0n56	16n 5	6s43	11n37	11n21	16s46	9s 7	0s41
T 2	17 3	0 42	2 22	20 0	0 24	11 2	1 16	24 23	1 6	15 33	0 49	19 50	0 33	9 33	0 45	22 32	0 56	16 6	6 43	11 37	11 20	16 49	9 5	0 40
W 3	17 19	4s55	1 21	19 39	0 7	11 29	1 15	24 25	1 6	15 31	0 49	19 50	0 33	9 33	0 45	22 32	0 56	16 6	6 43	11 38	11 19	16 52	9 3	0 40
T 4	17 35	10 21	0 16	19 17	0s10	11 55	1 13	24 28	1 6	15 30	0 49	19 50	0 33	9 32	0 45	22 32	0 56	16 6	6 43	11 38	11 18	16 54	9 2	0 39
F 5	17 51	15 24	0s49	18 54	0 27	12 21	1 12	24 30	1 6	15 28	0 50	19 50	0 33	9 31	0 45	22 32	0 56	16 6	6 43	11 38	11 16	16 57	9 0	0 39
S 6	18 6	19 53	1 52	18 30	0 44	12 47	1 10	24 32	1 7	15 27	0 50	19 50	0 33	9 31	0 45	22 33	0 56	16 6	6 42	11 37	11 15	17 0	8 58	0 39
S 7	18 21	23 36	2 50	18 5	1 2	13 12	1 8	24 33	1 7	15 25	0 50	19 51	0 33	9 30	0 46	22 33	0 56	16 7	6 42	11 37	11 14	17 3	8 57	0 38
M 8	18 36	26 20	3 41	17 40	1 19	13 37	1 7	24 35	1 7	15 24	0 50	19 51	0 33	9 30	0 46	22 33	0 56	16 7	6 42	11 36	11 13	17 6	8 55	0 38
T 9	18 51	27 53	4 23	17 15	1 36	14 2	1 5	24 36	1 7	15 23	0 51	19 51	0 34	9 29	0 46	22 33	0 56	16 7	6 42	11 34	11 12	17 9	8 53	0 38
W10	19 5	28 7	4 53	16 51	1 53	14 27	1 3	24 38	1 7	15 21	0 51	19 51	0 34	9 29	0 46	22 33	0 56	16 7	6 42	11 33	11 11	17 11	8 52	0 37
T 11	19 19	26 57	5 10	16 27	2 9	14 51	1 1	24 39	1 7	15 20	0 51	19 51	0 34	9 29	0 46	22 33	0 56	16 8	6 42	11 32	11 10	17 14	8 50	0 37
F 12	19 32	24 24	5 13	16 4	2 24	15 15	0 59	24 40	1 7	15 19	0 52	19 51	0 34	9 28	0 46	22 33	0 56	16 8	6 42	11 31	11 9	17 17	8 49	0 36
S 13	19 45	20 37	5 0	15 42	2 38	15 38	0 58	24 40	1 8	15 18	0 52	19 52	0 34	9 28	0 46	22 33	0 56	16 8	6 42	11 30	11 7	17 20	8 47	0 36
S 14	19 58	15 43	4 32	15 22	2 52	16 1	0 56	24 41	1 8	15 17	0 52	19 52	0 34	9 27	0 46	22 33	0 56	16 8	6 42	11 30	11 6	17 23	8 46	0 36
M15	20 11	9 56	3 47	15 3	3 4	16 24	0 54	24 41	1 8	15 16	0 52	19 52	0 34	9 27	0 46	22 33	0 56	16 9	6 42	11 30	11 5	17 26	8 44	0 35
T 16	20 23	3 31	2 48	14 46	3 16	16 46	0 52	24 41	1 8	15 15	0 53	19 52	0 35	9 27	0 46	22 33	0 56	16 9	6 41	11 31	11 4	17 28	8 43	0 35
W17	20 35	3n16	1 37	14 32	3 26	17 8	0 49	24 41	1 8	15 14	0 53	19 53	0 35	9 26	0 46	22 33	0 56	16 9	6 41	11 31	11 3	17 31	8 41	0 35
T 18	20 46	10 3	0 18	14 19	3 35	17 29	0 47	24 40	1 8	15 13	0 53	19 53	0 35	9 26	0 46	22 33	0 56	16 9	6 41	11 31	11 2	17 34	8 40	0 34
F 19	20 57	16 24	1n 3	14 8	3 42	17 50	0 45	24 40	1 8	15 12	0 53	19 53	0 35	9 26	0 46	22 33	0 56	16 10	6 41	11 31	11 1	17 37	8 39	0 34
S 20	21 8	21 48	2 21	14 0	3 49	18 10	0 43	24 39	1 9	15 11	0 54	19 54	0 35	9 25	0 46	22 33	0 56	16 10	6 41	11 30	10 59	17 40	8 37	0 34
S 21	21 18	25 46	3 29	13 54	3 54	18 30	0 41	24 38	1 9	15 11	0 54	19 54	0 35	9 25	0 46	22 33	0 56	16 10	6 41	11 29	10 58	17 42	8 36	0 33
M22	21 28	27 52	4 21	13 51	3 58	18 50	0 39	24 37	1 9	15 10	0 54	19 55	0 35	9 25	0 46	22 33	0 56	16 10	6 41	11 27	10 57	17 45	8 35	0 33
T 23	21 38	27 57	4 55	13 50	4 1	19 9	0 37	24 36	1 9	15 9	0 55	19 55	0 35	9 25	0 46	22 33	0 56	16 10	6 41	11 26	10 56	17 48	8 34	0 32
W24	21 47	26 10	5 10	13 51	4 2	19 28	0 34	24 35	1 9	15 9	0 55	19 56	0 36	9 24	0 46	22 33	0 56	16 11	6 41	11 24	10 55	17 51	8 33	0 32
T 25	21 56	22 51	5 6	13 54	4 3	19 46	0 32	24 33	1 9	15 9	0 55	19 56	0 36	9 24	0 46	22 33	0 56	16 11	6 41	11 22	10 54	17 54	8 32	0 32
F 26	22 5	18 26	4 46	14 0	4 3	20 3	0 30	24 31	1 9	15 8	0 55	19 57	0 36	9 24	0 46	22 33	0 56	16 11	6 41	11 21	10 53	17 56	8 31	0 31
S 27	22 13	13 19	4 11	14 7	4 1	20 20	0 27	24 29	1 9	15 8	0 56	19 57	0 36	9 24	0 46	22 33	0 56	16 11	6 41	11 20	10 52	17 59	8 30	0 31
S 28	22 21	7 47	3 25	14 17	3 59	20 36	0 25	24 27	1 9	15 8	0 56	19 58	0 36	9 24	0 46	22 33	0 56	16 11	6 41	11 20	10 50	18 2	8 29	0 31
M29	22 28	2 6	2 31	14 29	3 55	20 52	0 23	24 25	1 9	15 7	0 56	19 58	0 36	9 24	0 46	22 33	0 56	16 12	6 41	11 21	10 49	18 5	8 28	0 30
T 30	22 35	3s34	1 31	14 42	3 51	21 7	0 20	24 22	1 9	15 7	0 56	19 59	0 36	9 23	0 46	22 33	0 56	16 12	6 40	11 21	10 48	18 7	8 27	0 30
W31	22n42	9s 3	0n28	14n57	3s46	21n22	0s18	24n19	1n10	15s 7	0s57	20s 0	0s37	9s23	0s46	22s33	0n56	16n12	6s40	11n22	10n47	18s10	8s26	0s29

Julian Day Number = 2147424.5, Delta T = 14m35s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'50, Lahiri = 12°14'50 Julian Calendar 1 May 1167 == Greg. Calendar 8 May 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

JUNE 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 1 54	15♊55'12	6♏ 9	23♉43	8♊45	10♋43	22♒ 3	3°R43	7♓50	3°R57	16♊19	29°R33	27♈52	15♏56	20°R18	T 1
F 2	17 5 51	16°52'23	17°57	24°33	9°58	11°21	22° 4	3♒41	7°50	3♑56	16°20	29♈31	27°49	16° 3	20♎17	F 2
S 3	17 9 48	17°49'34	29°48	25°26	11°12	11°59	22° 4	3°39	7°50	3°54	16°22	29°27	27°46	16° 9	20°16	S 3
S 4	17 13 44	18°46'45	11♐44	26°24	12°26	12°37	22° 4	3°36	7°51	3°52	16°23	29°21	27°43	16°16	20°15	S 4
M 5	17 17 41	19°43'55	23°49	27°25	13°39	13°15	22°R 4	3°34	7°51	3°51	16°24	29°13	27°39	16°23	20°14	M 5
T 6	17 21 37	20°41'04	6♑ 3	28°31	14°53	13°53	22° 4	3°31	7°R51	3°49	16°26	29° 4	27°36	16°29	20°13	T 6
W 7	17 25 34	21°38'14	18°28	29°40	16° 6	14°31	22° 4	3°29	7°51	3°48	16°27	28°55	27°33	16°36	20°13	W 7
T 8	17 29 30	22°35'24	1♒ 3	0♊53	17°20	15° 9	22° 3	3°26	7°51	3°46	16°29	28°46	27°30	16°43	20°12	T 8
F 9	17 33 27	23°32'33	13°51	2° 9	18°33	15°47	22° 3	3°23	7°51	3°45	16°30	28°38	27°27	16°49	20°12	F 9
S 10	17 37 23	24°29'42	26°52	3°29	19°47	16°25	22° 2	3°20	7°50	3°43	16°32	28°33	27°24	16°56	20°12	S 10
S 11	17 41 20	25°26'52	10♓ 8	4°53	21° 1	17° 3	22° 1	3°17	7°50	3°41	16°33	28°30	27°20	17° 3	20°11	S 11
M12	17 45 17	26°24'01	23°40	6°20	22°14	17°41	21°59	3°14	7°50	3°40	16°34	28°D29	27°17	17° 9	20°11	M12
T 13	17 49 13	27°21'11	7♈30	7°51	23°28	18°19	21°58	3°11	7°50	3°38	16°36	28°29	27°14	17°16	20°D11	T 13
W14	17 53 10	28°18'21	21°37	9°26	24°42	18°57	21°56	3° 8	7°49	3°37	16°37	28°R30	27°11	17°23	20°11	W14
T 15	17 57 6	29°15'31	6♉ 2	11° 4	25°55	19°35	21°54	3° 5	7°49	3°35	16°39	28°30	27° 8	17°29	20°12	T 15
F 16	18 1 3	0♋12'42	20°42	12°45	27° 9	20°13	21°52	3° 1	7°48	3°33	16°40	28°28	27° 4	17°36	20°12	F 16
S 17	18 4 59	1° 9'53	5♊31	14°29	28°23	20°51	21°50	2°58	7°48	3°32	16°41	28°24	27° 1	17°43	20°12	S 17
S 18	18 8 56	2° 7'05	20°25	16°16	29°37	21°29	21°47	2°54	7°47	3°30	16°43	28°17	26°58	17°49	20°13	S 18
M19	18 12 53	3° 4'16	5♋13	18° 7	0♋50	22° 7	21°45	2°51	7°47	3°29	16°44	28° 8	26°55	17°56	20°13	M19
T 20	18 16 49	4° 1'28	19°48	20° 0	2° 4	22°45	21°42	2°47	7°46	3°27	16°46	27°58	26°52	18° 3	20°14	T 20
W21	18 20 46	4°58'40	4♌ 2	21°56	3°18	23°23	21°39	2°44	7°46	3°25	16°47	27°48	26°49	18° 9	20°15	W21
T 22	18 24 42	5°55'51	17°51	23°55	4°32	24° 1	21°36	2°40	7°45	3°24	16°48	27°40	26°45	18°16	20°16	T 22
F 23	18 28 39	6°53'03	1♍13	25°56	5°45	24°39	21°32	2°36	7°44	3°22	16°50	27°33	26°42	18°23	20°17	F 23
S 24	18 32 35	7°50'15	14° 9	27°58	6°59	25°17	21°29	2°32	7°43	3°20	16°51	27°28	26°39	18°29	20°18	S 24
S 25	18 36 32	8°47'27	26°42	0♋ 3	8°13	25°55	21°25	2°28	7°42	3°19	16°52	27°26	26°36	18°36	20°20	S 25
M26	18 40 28	9°44'38	8♎55	2° 8	9°27	26°33	21°21	2°25	7°42	3°17	16°54	27°D25	26°33	18°42	20°21	M26
T 27	18 44 25	10°41'50	20°55	4°15	10°41	27°11	21°17	2°21	7°41	3°16	16°55	27°R25	26°30	18°49	20°23	T 27
W28	18 48 22	11°39'03	2♏46	6°23	11°54	27°49	21°13	2°17	7°40	3°14	16°56	27°25	26°26	18°56	20°24	W28
T 29	18 52 18	12°36'15	14°34	8°31	13° 8	28°27	21° 8	2°13	7°39	3°12	16°58	27°24	26°23	19° 2	20°26	T 29
F 30	18 56 15	13♋33'28	26♏23	10♋39	14♋22	29♋ 5	21♒ 4	2♒ 9	7♓37	3♑11	16♊59	27♈21	26♈20	19♏ 9	20♎28	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n48	14s12	0s36	15n14	3s40	21n36	0s16	24n16	1n10	15s 7	0s57	20s 0	0s37	9s23	0s46	22s33	0n56	16n12	6s40	11n22	10n46	18s13	8s25	0s29
F 2	22 54	18 49	1 38	15 33	3 33	21 50	0 13	24 13	1 10	15 7	0 57	20 1	0 37	9 23	0 47	22 33	0 56	16 12	6 40	11 21	10 45	18 16	8 24	0 29
S 3	22 59	22 44	2 36	15 53	3 26	22 3	0 11	24 10	1 10	15 8	0 58	20 2	0 37	9 23	0 47	22 34	0 56	16 13	6 40	11 20	10 44	18 18	8 24	0 28
S 4	23 4	25 43	3 27	16 14	3 18	22 15	0 9	24 6	1 10	15 8	0 58	20 2	0 37	9 23	0 47	22 34	0 56	16 13	6 40	11 18	10 42	18 21	8 23	0 28
M 5	23 9	27 34	4 10	16 36	3 9	22 26	0 6	24 3	1 10	15 8	0 58	20 3	0 37	9 23	0 47	22 34	0 56	16 13	6 40	11 15	10 41	18 24	8 22	0 28
T 6	23 13	28 6	4 42	17 0	3 0	22 38	0 4	23 59	1 10	15 8	0 58	20 4	0 37	9 23	0 47	22 34	0 56	16 13	6 40	11 12	10 40	18 27	8 22	0 27
W 7	23 17	27 14	5 1	17 24	2 50	22 48	0 1	23 55	1 10	15 9	0 59	20 4	0 37	9 23	0 47	22 34	0 56	16 13	6 40	11 8	10 39	18 29	8 21	0 27
T 8	23 20	24 59	5 6	17 49	2 40	22 58	0n 1	23 51	1 10	15 9	0 59	20 5	0 38	9 23	0 47	22 34	0 56	16 13	6 40	11 5	10 38	18 32	8 21	0 27
F 9	23 23	21 27	4 55	18 15	2 30	23 7	0 3	23 46	1 10	15 10	0 59	20 6	0 38	9 23	0 47	22 34	0 56	16 14	6 40	11 2	10 37	18 35	8 20	0 26
S 10	23 26	16 50	4 30	18 41	2 19	23 15	0 6	23 42	1 10	15 10	1 0	20 7	0 38	9 23	0 47	22 34	0 56	16 14	6 40	11 0	10 36	18 37	8 20	0 26
S 11	23 28	11 20	3 49	19 7	2 7	23 23	0 8	23 37	1 10	15 11	1 0	20 8	0 38	9 24	0 47	22 34	0 56	16 14	6 40	10 59	10 34	18 40	8 19	0 26
M12	23 30	5 12	2 55	19 34	1 56	23 30	0 11	23 32	1 10	15 12	1 0	20 8	0 38	9 24	0 47	22 34	0 56	16 14	6 40	10 59	10 33	18 43	8 19	0 25
T 13	23 31	1n18	1 50	20 1	1 44	23 36	0 13	23 27	1 10	15 12	1 0	20 9	0 38	9 24	0 47	22 34	0 56	16 14	6 40	10 59	10 32	18 46	8 18	0 25
W14	23 32	7 54	0 37	20 27	1 32	23 42	0 15	23 22	1 10	15 13	1 1	20 10	0 38	9 24	0 47	22 34	0 56	16 14	6 40	10 59	10 31	18 48	8 18	0 24
T 15	23 33	14 13	0n40	20 53	1 20	23 47	0 18	23 16	1 10	15 14	1 1	20 11	0 39	9 24	0 47	22 34	0 56	16 15	6 40	10 59	10 30	18 51	8 18	0 24
F 16	23 33	19 52	1 56	21 19	1 7	23 51	0 20	23 11	1 10	15 15	1 1	20 12	0 39	9 24	0 47	22 34	0 56	16 15	6 40	10 59	10 29	18 54	8 18	0 24
S 17	23 33	24 21	3 4	21 44	0 55	23 55	0 22	23 5	1 10	15 16	1 2	20 13	0 39	9 25	0 47	22 34	0 56	16 15	6 40	10 57	10 27	18 56	8 18	0 23
S 18	23 32	27 12	4 0	22 8	0 43	23 57	0 24	22 59	1 10	15 17	1 2	20 14	0 39	9 25	0 47	22 34	0 56	16 15	6 40	10 55	10 26	18 59	8 17	0 23
M19	23 31	28 6	4 40	22 31	0 30	24 0	0 27	22 53	1 10	15 18	1 2	20 15	0 39	9 25	0 47	22 34	0 56	16 15	6 40	10 52	10 25	19 2	8 17	0 23
T 20	23 29	27 2	5 0	22 52	0 18	24 1	0 29	22 47	1 10	15 19	1 2	20 16	0 39	9 25	0 47	22 34	0 56	16 15	6 40	10 48	10 24	19 4	8 17	0 22
W21	23 27	24 13	5 1	23 12	0 6	24 2	0 31	22 40	1 10	15 21	1 3	20 17	0 39	9 26	0 47	22 34	0 56	16 15	6 40	10 45	10 23	19 7	8 17	0 22
T 22	23 25	20 4	4 45	23 30	0n 5	24 2	0 33	22 34	1 10	15 22	1 3	20 18	0 39	9 26	0 47	22 34	0 56	16 16	6 40	10 41	10 22	19 10	8 17	0 22
F 23	23 22	15 1	4 13	23 45	0 16	24 1	0 36	22 27	1 10	15 23	1 3	20 19	0 39	9 26	0 47	22 35	0 56	16 16	6 40	10 39	10 21	19 12	8 17	0 21
S 24	23 19	9 28	3 29	23 59	0 27	23 59	0 38	22 20	1 10	15 25	1 4	20 20	0 40	9 27	0 47	22 35	0 56	16 16	6 40	10 37	10 19	19 15	8 18	0 21
S 25	23 15	3 42	2 36	24 10	0 37	23 57	0 40	22 13	1 10	15 26	1 4	20 21	0 40	9 27	0 47	22 35	0 56	16 16	6 40	10 36	10 18	19 18	8 18	0 21
M26	23 11	2s 4	1 37	24 19	0 47	23 54	0 42	22 6	1 10	15 28	1 4	20 22	0 40	9 27	0 47	22 35	0 56	16 16	6 40	10 36	10 17	19 20	8 18	0 20
T 27	23 7	7 40	0 35	24 25	0 56	23 51	0 44	21 58	1 10	15 29	1 4	20 23	0 40	9 28	0 47	22 35	0 56	16 16	6 40	10 36	10 16	19 23	8 18	0 20
W28	23 2	12 56	0s28	24 28	1 4	23 47	0 46	21 51	1 10	15 31	1 5	20 24	0 40	9 28	0 47	22 35	0 56	16 16	6 40	10 36	10 15	19 26	8 19	0 20
T 29	22 57	17 42	1 30	24 28	1 12	23 42	0 48	21 43	1 10	15 33	1 5	20 25	0 40	9 29	0 48	22 35	0 56	16 16	6 40	10 36	10 14	19 28	8 19	0 19
F 30	22n51	21s49	2s27	24n26	1n19	23n36	0n50	21n35	1n10	15s34	1s 5	20s26	0s40	9s29	0s48	22s35	0n56	16n16	6s40	10n35	10n13	19s31	8s19	0s19

Julian Day Number = 2147455.5, Delta T = 14m35s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'54, Lahiri = 12°14'55 Julian Calendar 1 June 1167 == Greg. Calendar 8 June 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

JULY 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 0 11	14♋30'41	8♐18	12♋48	15♋36	29♋43	20°R59	2°R 4	7°R36	3°R 9	17♊ 0	27°R15	26♈17	19♏16	20♎30	S 1
S 2	19 4 8	15°27'54	20°23	14°56	16°50	0♌21	20♒54	2♒ 0	7♓35	3♉ 8	17° 2	27♈ 7	26°14	19°22	20°32	S 2
M 3	19 8 4	16°25'08	2♉38	17° 3	18° 4	0°59	20°49	1°56	7°34	3° 6	17° 3	26°56	26°10	19°29	20°34	M 3
T 4	19 12 1	17°22'22	15° 7	19° 9	19°18	1°37	20°44	1°52	7°33	3° 5	17° 4	26°44	26° 7	19°36	20°36	T 4
W 5	19 15 57	18°19'38	27°48	21°15	20°32	2°15	20°38	1°48	7°31	3° 3	17° 5	26°31	26° 4	19°42	20°39	W 5
T 6	19 19 54	19°16'53	10♒43	23°20	21°45	2°53	20°33	1°43	7°30	3° 1	17° 7	26°19	26° 1	19°49	20°41	T 6
F 7	19 23 51	20°14'10	23°49	25°23	22°59	3°31	20°27	1°39	7°29	3° 0	17° 8	26° 8	25°58	19°56	20°44	F 7
S 8	19 27 47	21°11'27	7♓ 7	27°25	24°13	4° 9	20°21	1°35	7°27	2°58	17° 9	26° 0	25°55	20° 2	20°46	S 8
S 9	19 31 44	22° 8'46	20°36	29°25	25°27	4°47	20°15	1°30	7°26	2°57	17°10	25°55	25°51	20° 9	20°49	S 9
M10	19 35 40	23° 6'05	4♈15	1♌24	26°41	5°25	20° 9	1°26	7°25	2°55	17°12	25°53	25°48	20°16	20°52	M10
T 11	19 39 37	24° 3'25	18° 5	3°21	27°55	6° 3	20° 3	1°21	7°23	2°54	17°13	25°52	25°45	20°22	20°55	T 11
W12	19 43 33	25° 0'47	2♉ 6	5°17	29° 9	6°41	19°57	1°17	7°21	2°52	17°14	25°52	25°42	20°29	20°58	W12
T 13	19 47 30	25°58'10	16°18	7°12	0♌23	7°19	19°50	1°13	7°20	2°51	17°15	25°51	25°39	20°36	21° 1	T 13
F 14	19 51 26	26°55'34	0♊39	9° 4	1°37	7°57	19°44	1° 8	7°18	2°50	17°16	25°49	25°36	20°42	21° 4	F 14
S 15	19 55 23	27°52'59	15° 7	10°55	2°51	8°35	19°37	1° 4	7°17	2°48	17°17	25°44	25°32	20°49	21° 8	S 15
S 16	19 59 20	28°50'26	29°37	12°45	4° 5	9°13	19°30	0°59	7°15	2°47	17°19	25°36	25°29	20°56	21°11	S 16
M17	20 3 16	29°47'54	14♋ 3	14°33	5°19	9°51	19°23	0°55	7°13	2°45	17°20	25°26	25°26	21° 2	21°15	M17
T 18	20 7 13	0♌45'23	28°20	16°19	6°34	10°29	19°16	0°50	7°11	2°44	17°21	25°14	25°23	21° 9	21°18	T 18
W19	20 11 9	1°42'53	12♌20	18° 3	7°48	11° 8	19° 9	0°46	7°10	2°42	17°22	25° 3	25°20	21°16	21°22	W19
T 20	20 15 6	2°40'24	26° 0	19°46	9° 2	11°46	19° 2	0°41	7° 8	2°41	17°23	24°52	25°16	21°22	21°26	T 20
F 21	20 19 2	3°37'55	9♍17	21°28	10°16	12°24	18°55	0°37	7° 6	2°40	17°24	24°44	25°13	21°29	21°30	F 21
S 22	20 22 59	4°35'28	22°10	23° 8	11°30	13° 2	18°47	0°32	7° 4	2°38	17°25	24°38	25°10	21°36	21°34	S 22
S 23	20 26 55	5°33'02	4♎42	24°46	12°44	13°40	18°40	0°28	7° 2	2°37	17°26	24°34	25° 7	21°42	21°38	S 23
M24	20 30 52	6°30'37	16°56	26°23	13°58	14°18	18°32	0°23	7° 0	2°36	17°27	24°33	25° 4	21°49	21°42	M24
T 25	20 34 49	7°28'12	28°56	27°58	15°12	14°56	18°25	0°19	6°58	2°35	17°28	24°D33	25° 1	21°56	21°47	T 25
W26	20 38 45	8°25'49	10♏48	29°32	16°26	15°34	18°17	0°15	6°56	2°33	17°29	24°R33	24°57	22° 2	21°51	W26
T 27	20 42 42	9°23'27	22°37	1♍ 4	17°41	16°12	18° 9	0°10	6°54	2°32	17°30	24°32	24°54	22° 9	21°56	T 27
F 28	20 46 38	10°21'06	4♐28	2°35	18°55	16°50	18° 2	0° 6	6°52	2°31	17°31	24°29	24°51	22°16	22° 0	F 28
S 29	20 50 35	11°18'46	16°27	4° 4	20° 9	17°29	17°54	0° 1	6°50	2°30	17°32	24°25	24°48	22°22	22° 5	S 29
S 30	20 54 31	12°16'27	28°38	5°32	21°23	18° 7	17°46	29♉57	6°48	2°29	17°33	24°17	24°45	22°29	22°10	S 30
M31	20 58 28	13♌14'09	11♉ 2	6♍58	22♌37	18♌45	17♒38	29♉53	6♓46	2♉28	17♊34	24♈ 8	24♈42	22♏36	22♎14	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n45	25s 4	3s19	24n21	1n25	23n29	0n52	21n27	1n10	15s36	1s 5	20s27	0s40	9s29	0s48	22s35	0n56	16n17	6s40	10n33	10n11	19s33	8s20	0s19
S 2	22 39	27 13	4 2	24 13	1 31	23 22	0 54	21 19	1 10	15 38	1 6	20 28	0 41	9 30	0 48	22 35	0 56	16 17	6 40	10 29	10 10	19 36	8 20	0 18
M 3	22 32	28 6	4 34	24 2	1 35	23 14	0 55	21 10	1 10	15 40	1 6	20 29	0 41	9 30	0 48	22 35	0 56	16 17	6 40	10 26	10 9	19 39	8 21	0 18
T 4	22 25	27 34	4 54	23 49	1 39	23 6	0 57	21 2	1 10	15 42	1 6	20 30	0 41	9 31	0 48	22 35	0 56	16 17	6 40	10 21	10 8	19 41	8 21	0 18
W 5	22 17	25 36	5 0	23 33	1 43	22 57	0 59	20 53	1 10	15 44	1 6	20 31	0 41	9 31	0 48	22 35	0 56	16 17	6 40	10 16	10 7	19 44	8 22	0 17
T 6	22 9	22 17	4 51	23 15	1 45	22 47	1 1	20 45	1 10	15 46	1 7	20 32	0 41	9 32	0 48	22 35	0 56	16 17	6 40	10 12	10 6	19 47	8 22	0 17
F 7	22 1	17 50	4 27	22 55	1 47	22 36	1 2	20 36	1 10	15 48	1 7	20 33	0 41	9 32	0 48	22 35	0 56	16 17	6 40	10 8	10 4	19 49	8 23	0 17
S 8	21 52	12 27	3 47	22 32	1 48	22 25	1 4	20 27	1 10	15 50	1 7	20 34	0 41	9 33	0 48	22 35	0 56	16 17	6 40	10 5	10 3	19 52	8 24	0 16
S 9	21 43	6 25	2 55	22 8	1 48	22 13	1 6	20 17	1 10	15 52	1 7	20 35	0 41	9 34	0 48	22 35	0 56	16 17	6 40	10 4	10 2	19 54	8 25	0 16
M10	21 34	0 1	1 52	21 42	1 48	22 1	1 7	20 8	1 10	15 54	1 8	20 36	0 41	9 34	0 48	22 35	0 56	16 17	6 40	10 3	10 1	19 57	8 25	0 16
T 11	21 24	6n30	0 41	21 14	1 47	21 47	1 9	19 59	1 10	15 56	1 8	20 37	0 41	9 35	0 48	22 36	0 56	16 17	6 40	10 2	10 0	19 59	8 26	0 15
W12	21 14	12 46	0n33	20 44	1 45	21 34	1 10	19 49	1 10	15 58	1 8	20 38	0 42	9 35	0 48	22 36	0 56	16 17	6 40	10 2	9 59	20 2	8 27	0 15
T 13	21 3	18 29	1 46	20 13	1 43	21 19	1 11	19 39	1 10	16 1	1 8	20 39	0 42	9 36	0 48	22 36	0 55	16 18	6 40	10 2	9 57	20 5	8 28	0 15
F 14	20 52	23 12	2 53	19 41	1 41	21 4	1 13	19 29	1 10	16 3	1 8	20 41	0 42	9 37	0 48	22 36	0 55	16 18	6 40	10 1	9 56	20 7	8 29	0 14
S 15	20 41	26 30	3 49	19 8	1 38	20 48	1 14	19 19	1 10	16 5	1 9	20 42	0 42	9 37	0 48	22 36	0 55	16 18	6 40	9 59	9 55	20 10	8 30	0 14
S 16	20 29	28 3	4 31	18 34	1 34	20 32	1 15	19 9	1 10	16 8	1 9	20 43	0 42	9 38	0 48	22 36	0 55	16 18	6 40	9 57	9 54	20 12	8 31	0 14
M17	20 17	27 41	4 55	17 59	1 30	20 15	1 16	18 59	1 10	16 10	1 9	20 44	0 42	9 39	0 48	22 36	0 55	16 18	6 41	9 53	9 53	20 15	8 32	0 13
T 18	20 5	25 29	5 0	17 22	1 25	19 58	1 17	18 48	1 10	16 12	1 9	20 45	0 42	9 39	0 48	22 36	0 55	16 18	6 41	9 49	9 52	20 17	8 33	0 13
W19	19 52	21 46	4 47	16 46	1 20	19 40	1 18	18 38	1 10	16 15	1 9	20 46	0 42	9 40	0 48	22 36	0 55	16 18	6 41	9 44	9 50	20 20	8 34	0 13
T 20	19 39	16 57	4 18	16 8	1 15	19 21	1 19	18 27	1 10	16 17	1 10	20 47	0 42	9 41	0 48	22 36	0 55	16 18	6 41	9 40	9 49	20 23	8 35	0 13
F 21	19 26	11 27	3 35	15 30	1 9	19 2	1 20	18 16	1 9	16 20	1 10	20 48	0 42	9 41	0 48	22 36	0 55	16 18	6 41	9 37	9 48	20 25	8 36	0 12
S 22	19 12	5 36	2 43	14 52	1 3	18 43	1 21	18 5	1 9	16 22	1 10	20 49	0 42	9 42	0 48	22 36	0 55	16 18	6 41	9 35	9 47	20 28	8 38	0 12
S 23	18 58	0s18	1 43	14 13	0 56	18 22	1 22	17 54	1 9	16 25	1 10	20 50	0 42	9 43	0 48	22 36	0 55	16 18	6 41	9 34	9 46	20 30	8 39	0 12
M24	18 44	6 4	0 40	13 33	0 50	18 2	1 23	17 43	1 9	16 27	1 10	20 51	0 43	9 44	0 48	22 36	0 55	16 18	6 41	9 33	9 45	20 33	8 40	0 11
T 25	18 29	11 30	0s23	12 54	0 43	17 40	1 23	17 32	1 9	16 30	1 10	20 52	0 43	9 44	0 48	22 36	0 55	16 18	6 41	9 33	9 43	20 35	8 42	0 11
W26	18 14	16 29	1 25	12 14	0 35	17 19	1 24	17 20	1 9	16 32	1 11	20 53	0 43	9 45	0 48	22 36	0 55	16 18	6 41	9 33	9 42	20 38	8 43	0 11
T 27	17 59	20 49	2 23	11 34	0 28	16 57	1 24	17 9	1 9	16 35	1 11	20 54	0 43	9 46	0 48	22 36	0 55	16 18	6 41	9 33	9 41	20 40	8 44	0 10
F 28	17 44	24 20	3 15	10 54	0 20	16 34	1 25	16 57	1 9	16 37	1 11	20 55	0 43	9 47	0 48	22 36	0 55	16 18	6 41	9 32	9 40	20 43	8 46	0 10
S 29	17 28	26 49	3 59	10 15	0 12	16 11	1 25	16 46	1 9	16 40	1 11	20 56	0 43	9 47	0 48	22 36	0 55	16 18	6 41	9 30	9 39	20 45	8 47	0 10
S 30	17 12	28 5	4 33	9 35	0 3	15 47	1 26	16 34	1 9	16 42	1 11	20 57	0 43	9 48	0 48	22 37	0 55	16 18	6 41	9 28	9 38	20 48	8 49	0 9
M31	16n55	27s59	4s54	8n55	0s 5	15n23	1n26	16n22	1n 9	16s45	1s11	20s58	0s43	9s49	0s48	22s37	0n55	16n18	6s41	9n24	9n36	20s50	8s50	0s 9

Julian Day Number = 2147485.5, Delta T = 14m34s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°07'58, Lahiri = 12°14'59 Julian Calendar 1 July 1167 == Greg. Calendar 8 July 1167

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1167
geocentric

AUGUST 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 2 24	14♌11'53	23♉44	8♍22	23♌51	19♌23	17°R30	29°R49	6°R44	2°R26	17♊35	23°R57	24♈38	22♏42	22♎19	T 1
W 2	21 6 21	15° 9'38	6♒42	9°45	25° 6	20° 1	17♒23	29♉44	6♓42	2♉25	17°35	23♈45	24°35	22°49	22°24	W 2
T 3	21 10 18	16° 7'24	19°57	11° 6	26°20	20°39	17°15	29°40	6°39	2°24	17°36	23°34	24°32	22°56	22°29	T 3
F 4	21 14 14	17° 5'12	3♓26	12°25	27°34	21°17	17° 7	29°36	6°37	2°23	17°37	23°25	24°29	23° 2	22°35	F 4
S 5	21 18 11	18° 3'01	17° 8	13°43	28°48	21°56	16°59	29°32	6°35	2°22	17°38	23°18	24°26	23° 9	22°40	S 5
S 6	21 22 7	19° 0'52	0♈58	14°58	0♍ 2	22°34	16°51	29°28	6°33	2°21	17°39	23°13	24°22	23°16	22°45	S 6
M 7	21 26 4	19°58'45	14°55	16°12	1°17	23°12	16°43	29°24	6°30	2°20	17°40	23°11	24°19	23°22	22°51	M 7
T 8	21 30 0	20°56'39	28°58	17°24	2°31	23°50	16°35	29°20	6°28	2°19	17°40	23°D11	24°16	23°29	22°56	T 8
W 9	21 33 57	21°54'36	13♉ 4	18°34	3°45	24°29	16°27	29°16	6°26	2°18	17°41	23°12	24°13	23°36	23° 2	W 9
T 10	21 37 53	22°52'34	27°12	19°42	4°59	25° 7	16°20	29°12	6°24	2°17	17°42	23°R12	24°10	23°42	23° 7	T 10
F 11	21 41 50	23°50'35	11♊21	20°48	6°13	25°45	16°12	29° 8	6°21	2°17	17°42	23°11	24° 7	23°49	23°13	F 11
S 12	21 45 47	24°48'37	25°30	21°51	7°28	26°23	16° 4	29° 4	6°19	2°16	17°43	23° 7	24° 3	23°56	23°19	S 12
S 13	21 49 43	25°46'41	9♋36	22°52	8°42	27° 2	15°57	29° 0	6°17	2°15	17°44	23° 1	24° 0	24° 2	23°25	S 13
M14	21 53 40	26°44'48	23°36	23°51	9°56	27°40	15°49	28°57	6°14	2°14	17°44	22°54	23°57	24° 9	23°30	M14
T 15	21 57 36	27°42'56	7♌27	24°47	11°10	28°18	15°41	28°53	6°12	2°13	17°45	22°45	23°54	24°16	23°36	T 15
W16	22 1 33	28°41'06	21° 4	25°40	12°25	28°57	15°34	28°49	6° 9	2°13	17°46	22°35	23°51	24°22	23°43	W16
T 17	22 5 29	29°39'18	4♍25	26°29	13°39	29°35	15°26	28°46	6° 7	2°12	17°46	22°27	23°48	24°29	23°49	T 17
F 18	22 9 26	0♍37'31	17°28	27°16	14°53	0♍13	15°19	28°42	6° 5	2°11	17°47	22°20	23°44	24°36	23°55	F 18
S 19	22 13 22	1°35'46	0♎12	27°59	16° 8	0°52	15°12	28°39	6° 2	2°11	17°47	22°16	23°41	24°42	24° 1	S 19
S 20	22 17 19	2°34'03	12°38	28°38	17°22	1°30	15° 4	28°36	6° 0	2°10	17°48	22°13	23°38	24°49	24° 8	S 20
M21	22 21 16	3°32'21	24°49	29°13	18°36	2° 8	14°57	28°32	5°58	2°10	17°48	22°D13	23°35	24°56	24°14	M21
T 22	22 25 12	4°30'42	6♏49	29°44	19°50	2°47	14°50	28°29	5°55	2° 9	17°49	22°14	23°32	25° 2	24°20	T 22
W23	22 29 9	5°29'03	18°40	0♎11	21° 5	3°25	14°43	28°26	5°53	2° 8	17°49	22°15	23°28	25° 9	24°27	W23
T 24	22 33 5	6°27'27	0♐30	0°32	22°19	4° 4	14°37	28°23	5°50	2° 8	17°50	22°16	23°25	25°16	24°34	T 24
F 25	22 37 2	7°25'52	12°22	0°48	23°33	4°42	14°30	28°20	5°48	2° 8	17°50	22°R16	23°22	25°22	24°40	F 25
S 26	22 40 58	8°24'19	24°21	0°59	24°47	5°21	14°23	28°17	5°46	2° 7	17°50	22°15	23°19	25°29	24°47	S 26
S 27	22 44 55	9°22'47	6♑34	1°R 4	26° 2	5°59	14°17	28°14	5°43	2° 7	17°51	22°11	23°16	25°36	24°54	S 27
M28	22 48 51	10°21'17	19° 2	1° 2	27°16	6°37	14°11	28°12	5°41	2° 6	17°51	22° 6	23°13	25°42	25° 0	M28
T 29	22 52 48	11°19'49	1♒51	0°54	28°30	7°16	14° 4	28° 9	5°38	2° 6	17°51	22° 0	23° 9	25°49	25° 7	T 29
W30	22 56 45	12°18'23	15° 1	0°39	29°44	7°54	13°58	28° 6	5°36	2° 6	17°52	21°54	23° 6	25°56	25°14	W30
T 31	23 0 41	13♍16'58	28♒31	0♎17	0♎59	8♍33	13♒52	28♑ 4	5♓34	2♑ 6	17♊52	21♈47	23♈ 3	26♏ 2	25♎21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n39	26s25	5s 2	8n16	0s14	14n59	1n26	16n10	1n 8	16s48	1s11	20s59	0s43	9s50	0s48	22s37	0n55	16n18	6s42	9n20	9n35	20s53	8s52	0s 9
W 2	16 22	23 26	4 55	7 36	0 23	14 34	1 26	15 57	1 8	16 50	1 12	21 0	0 43	9 51	0 48	22 37	0 55	16 18	6 42	9 16	9 34	20 55	8 54	0 9
T 3	16 5	19 11	4 31	6 57	0 31	14 9	1 26	15 45	1 8	16 53	1 12	21 1	0 43	9 52	0 48	22 37	0 55	16 18	6 42	9 12	9 33	20 58	8 55	0 8
F 4	15 47	13 54	3 52	6 18	0 41	13 43	1 26	15 33	1 8	16 55	1 12	21 2	0 43	9 52	0 48	22 37	0 55	16 18	6 42	9 8	9 32	21 0	8 57	0 8
S 5	15 29	7 52	3 0	5 40	0 50	13 18	1 26	15 20	1 8	16 58	1 12	21 3	0 43	9 53	0 48	22 37	0 55	16 18	6 42	9 5	9 31	21 2	8 58	0 8
S 6	15 11	1 23	1 56	5 2	0 59	12 51	1 26	15 8	1 8	17 0	1 12	21 4	0 43	9 54	0 48	22 37	0 55	16 18	6 42	9 4	9 29	21 5	9 0	0 7
M 7	14 53	5n14	0 44	4 25	1 8	12 25	1 26	14 55	1 8	17 3	1 12	21 5	0 44	9 55	0 48	22 37	0 55	16 18	6 42	9 3	9 28	21 7	9 2	0 7
T 8	14 35	11 38	0n31	3 48	1 18	11 58	1 26	14 42	1 8	17 5	1 12	21 6	0 44	9 56	0 48	22 37	0 55	16 18	6 42	9 3	9 27	21 10	9 4	0 7
W 9	14 16	17 29	1 44	3 12	1 27	11 30	1 25	14 29	1 8	17 8	1 12	21 7	0 44	9 57	0 48	22 37	0 55	16 18	6 42	9 3	9 26	21 12	9 6	0 7
T 10	13 57	22 24	2 51	2 37	1 37	11 3	1 25	14 16	1 7	17 10	1 12	21 8	0 44	9 57	0 49	22 37	0 55	16 18	6 42	9 3	9 25	21 15	9 7	0 6
F 11	13 38	26 0	3 48	2 2	1 46	10 35	1 25	14 3	1 7	17 12	1 12	21 8	0 44	9 58	0 49	22 37	0 55	16 18	6 42	9 3	9 24	21 17	9 9	0 6
S 12	13 19	27 59	4 31	1 28	1 56	10 7	1 24	13 50	1 7	17 15	1 13	21 9	0 44	9 59	0 49	22 37	0 55	16 18	6 42	9 2	9 22	21 20	9 11	0 6
S 13	12 59	28 8	4 57	0 55	2 5	9 38	1 24	13 37	1 7	17 17	1 13	21 10	0 44	10 0	0 49	22 37	0 55	16 18	6 43	8 59	9 21	21 22	9 13	0 5
M14	12 39	26 29	5 5	0 24	2 15	9 9	1 23	13 23	1 7	17 19	1 13	21 11	0 44	10 1	0 49	22 37	0 55	16 18	6 43	8 56	9 20	21 24	9 15	0 5
T 15	12 19	23 15	4 55	0s 7	2 24	8 40	1 22	13 10	1 7	17 22	1 13	21 12	0 44	10 2	0 49	22 37	0 54	16 18	6 43	8 53	9 19	21 27	9 17	0 5
W16	11 59	18 47	4 29	0 37	2 33	8 11	1 21	12 56	1 7	17 24	1 13	21 12	0 44	10 3	0 49	22 37	0 54	16 18	6 43	8 50	9 18	21 29	9 19	0 5
T 17	11 39	13 28	3 48	1 5	2 42	7 42	1 21	12 43	1 6	17 26	1 13	21 13	0 44	10 4	0 49	22 37	0 54	16 18	6 43	8 47	9 17	21 32	9 21	0 4
F 18	11 18	7 40	2 56	1 31	2 51	7 12	1 20	12 29	1 6	17 29	1 13	21 14	0 44	10 5	0 49	22 38	0 54	16 18	6 43	8 44	9 15	21 34	9 23	0 4
S 19	10 57	1 41	1 56	1 57	3 0	6 42	1 19	12 15	1 6	17 31	1 13	21 15	0 44	10 5	0 49	22 38	0 54	16 18	6 43	8 42	9 14	21 36	9 25	0 4
S 20	10 36	4s14	0 51	2 20	3 8	6 12	1 18	12 1	1 6	17 33	1 13	21 15	0 44	10 6	0 49	22 38	0 54	16 18	6 43	8 41	9 13	21 39	9 27	0 3
M21	10 15	9 52	0s14	2 41	3 16	5 42	1 17	11 47	1 6	17 35	1 13	21 16	0 44	10 7	0 49	22 38	0 54	16 18	6 43	8 41	9 12	21 41	9 29	0 3
T 22	9 54	15 5	1 18	3 1	3 24	5 12	1 16	11 33	1 6	17 37	1 13	21 17	0 44	10 8	0 49	22 38	0 54	16 18	6 43	8 42	9 11	21 44	9 31	0 3
W23	9 33	19 40	2 18	3 18	3 31	4 41	1 14	11 19	1 6	17 39	1 13	21 18	0 44	10 9	0 49	22 38	0 54	16 17	6 43	8 42	9 9	21 46	9 34	0 3
T 24	9 11	23 29	3 12	3 33	3 38	4 11	1 13	11 5	1 5	17 41	1 13	21 18	0 44	10 10	0 49	22 38	0 54	16 17	6 44	8 43	9 8	21 48	9 36	0 2
F 25	8 49	26 19	3 58	3 45	3 44	3 40	1 12	10 51	1 5	17 43	1 13	21 19	0 44	10 11	0 49	22 38	0 54	16 17	6 44	8 43	9 7	21 51	9 38	0 2
S 26	8 27	28 0	4 34	3 54	3 49	3 9	1 10	10 36	1 5	17 45	1 13	21 19	0 44	10 12	0 49	22 38	0 54	16 17	6 44	8 42	9 6	21 53	9 40	0 2
S 27	8 5	28 21	4 58	4 0	3 54	2 38	1 9	10 22	1 5	17 47	1 13	21 20	0 44	10 13	0 49	22 38	0 54	16 17	6 44	8 41	9 5	21 55	9 42	0 2
M28	7 43	27 17	5 9	4 3	3 58	2 7	1 7	10 7	1 5	17 49	1 13	21 21	0 44	10 13	0 49	22 38	0 54	16 17	6 44	8 39	9 4	21 58	9 45	0 1
T 29	7 21	24 48	5 5	4 2	4 0	1 36	1 6	9 53	1 5	17 51	1 13	21 21	0 44	10 14	0 49	22 38	0 54	16 17	6 44	8 37	9 2	22 0	9 47	0 1
W30	6 58	20 57	4 45	3 57	4 2	1 5	1 4	9 38	1 4	17 52	1 13	21 22	0 45	10 15	0 49	22 38	0 54	16 17	6 44	8 34	9 1	22 2	9 49	0 1
T 31	6n36	15s56	4s 9	3s48	4s 2	0n34	1n 2	9n24	1n 4	17s54	1s13	21s22	0s45	10s16	0s49	22s38	0n54	16n17	6s44	8n32	9n 0	22s 5	9s52	0s 0

Julian Day Number = 2147516.5, Delta T = 14m34s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'03, Lahiri = 12°15'03 Julian Calendar 1 Aug. 1167 == Greg. Calendar 8 Aug. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

SEPTEMBER 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 4 38	14♍15'35	12♓21	29°R48	2♎13	9♍12	13°R47	28°R 2	5°R31	2°R 5	17♊52	21°R42	23♈ 0	26♏ 9	25♎28	F 1
S 2	23 8 34	15°14'14	26°27	29♍12	3°27	9°50	13♒41	27♑59	5♓29	2♑ 5	17°52	21♈38	22°57	26°16	25°35	S 2
S 3	23 12 31	16°12'56	10♈44	28°29	4°41	10°29	13°35	27°57	5°27	2° 5	17°53	21°36	22°53	26°22	25°43	S 3
M 4	23 16 27	17°11'39	25° 7	27°40	5°55	11° 7	13°30	27°55	5°24	2° 5	17°53	21°D35	22°50	26°29	25°50	M 4
T 5	23 20 24	18°10'25	9♉32	26°45	7°10	11°46	13°25	27°53	5°22	2° 5	17°53	21°36	22°47	26°36	25°57	T 5
W 6	23 24 20	19° 9'13	23°54	25°46	8°24	12°24	13°20	27°51	5°20	2° 5	17°53	21°38	22°44	26°42	26° 4	W 6
T 7	23 28 17	20° 8'03	8♊11	24°42	9°38	13° 3	13°15	27°49	5°17	2° 5	17°53	21°39	22°41	26°49	26°12	T 7
F 8	23 32 14	21° 6'56	22°19	23°36	10°52	13°42	13°10	27°47	5°15	2°D 5	17°53	21°R39	22°38	26°56	26°19	F 8
S 9	23 36 10	22° 5'51	6♋19	22°29	12° 7	14°20	13° 6	27°45	5°13	2° 5	17°53	21°39	22°34	27° 2	26°27	S 9
S 10	23 40 7	23° 4'48	20° 8	21°22	13°21	14°59	13° 1	27°44	5°10	2° 5	17°53	21°36	22°31	27° 9	26°34	S 10
M11	23 44 3	24° 3'48	3♌45	20°18	14°35	15°38	12°57	27°42	5° 8	2° 5	17°53	21°33	22°28	27°16	26°42	M11
T 12	23 48 0	25° 2'50	17°10	19°19	15°49	16°17	12°53	27°41	5° 6	2° 5	17°R53	21°29	22°25	27°22	26°49	T 12
W13	23 51 56	26° 1'54	0♍22	18°25	17° 3	16°55	12°49	27°40	5° 4	2° 5	17°53	21°25	22°22	27°29	26°57	W13
T 14	23 55 53	27° 1'01	13°20	17°38	18°18	17°34	12°46	27°38	5° 2	2° 5	17°53	21°21	22°19	27°36	27° 4	T 14
F 15	23 59 49	28° 0'09	26° 3	17° 0	19°32	18°13	12°42	27°37	4°59	2° 5	17°53	21°18	22°15	27°42	27°12	F 15
S 16	0 3 46	28°59'20	8♎32	16°32	20°46	18°52	12°39	27°36	4°57	2° 6	17°53	21°17	22°12	27°49	27°20	S 16
S 17	0 7 43	29°58'32	20°49	16°14	22° 0	19°31	12°36	27°35	4°55	2° 6	17°53	21°D16	22° 9	27°56	27°28	S 17
M18	0 11 39	0♎57'47	2♏54	16°D 6	23°14	20° 9	12°33	27°35	4°53	2° 6	17°53	21°16	22° 6	28° 2	27°35	M18
T 19	0 15 36	1°57'04	14°50	16° 9	24°29	20°48	12°30	27°34	4°51	2° 7	17°53	21°18	22° 3	28° 9	27°43	T 19
W20	0 19 32	2°56'22	26°41	16°23	25°43	21°27	12°28	27°33	4°49	2° 7	17°53	21°19	21°59	28°16	27°51	W20
T 21	0 23 29	3°55'43	8♐29	16°46	26°57	22° 6	12°25	27°33	4°47	2° 8	17°52	21°21	21°56	28°22	27°59	T 21
F 22	0 27 25	4°55'05	20°20	17°20	28°11	22°45	12°23	27°32	4°45	2° 8	17°52	21°22	21°53	28°29	28° 7	F 22
S 23	0 31 22	5°54'29	2♑19	18° 3	29°25	23°24	12°21	27°32	4°43	2° 8	17°52	21°R22	21°50	28°36	28°15	S 23
S 24	0 35 18	6°53'55	14°29	18°53	0♏39	24° 3	12°20	27°32	4°41	2° 9	17°52	21°22	21°47	28°42	28°23	S 24
M25	0 39 15	7°53'23	26°56	19°52	1°53	24°42	12°18	27°32	4°39	2°10	17°51	21°22	21°44	28°49	28°31	M25
T 26	0 43 12	8°52'52	9♒43	20°57	3° 8	25°21	12°17	27°D31	4°37	2°10	17°51	21°20	21°40	28°56	28°39	T 26
W27	0 47 8	9°52'24	22°54	22° 9	4°22	26° 0	12°16	27°32	4°36	2°11	17°51	21°19	21°37	29° 2	28°47	W27
T 28	0 51 5	10°51'57	6♓30	23°25	5°36	26°39	12°15	27°32	4°34	2°11	17°50	21°17	21°34	29° 9	28°55	T 28
F 29	0 55 1	11°51'32	20°31	24°46	6°50	27°18	12°14	27°32	4°32	2°12	17°50	21°16	21°31	29°16	29° 3	F 29
S 30	0 58 58	12♎51'09	4♈53	26♍11	8♏ 4	27♍57	12♒13	27♑32	4♓30	2♑13	17♊50	21♈15	21♈28	29♏22	29♎11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n13	9s59	3s17	3s36	4s 0	0n 3	1n 1	9n 9	1n 4	17s56	1s13	21s23	0s45	10s17	0s49	22s38	0n54	16n17	6s44	8n30	8n59	22s 7	9s54	0s 0
S 2	5 51	3 27	2 13	3 19	3 57	0s29	0 59	8 54	1 4	17 57	1 13	21 23	0 45	10 18	0 49	22 38	0 54	16 17	6 45	8 28	8 58	22 9	9 56	0n 0
S 3	5 28	3n22	0 59	2 57	3 53	1 0	0 57	8 39	1 4	17 59	1 13	21 24	0 45	10 19	0 49	22 38	0 54	16 17	6 45	8 27	8 56	22 12	9 59	0 0
M 4	5 5	10 4	0n19	2 32	3 46	1 31	0 55	8 24	1 3	18 0	1 13	21 24	0 45	10 19	0 49	22 38	0 54	16 17	6 45	8 27	8 55	22 14	10 1	0 1
T 5	4 42	16 15	1 37	2 2	3 38	2 2	0 53	8 9	1 3	18 2	1 13	21 25	0 45	10 20	0 49	22 38	0 54	16 16	6 45	8 28	8 54	22 16	10 3	0 1
W 6	4 19	21 32	2 47	1 28	3 27	2 34	0 51	7 54	1 3	18 3	1 12	21 25	0 45	10 21	0 49	22 38	0 54	16 16	6 45	8 28	8 53	22 19	10 6	0 1
T 7	3 56	25 31	3 48	0 52	3 15	3 5	0 49	7 39	1 3	18 5	1 12	21 25	0 45	10 22	0 48	22 38	0 54	16 16	6 45	8 29	8 52	22 21	10 8	0 1
F 8	3 32	27 52	4 33	0 12	3 1	3 36	0 47	7 24	1 3	18 6	1 12	21 26	0 45	10 23	0 48	22 38	0 54	16 16	6 45	8 29	8 51	22 23	10 11	0 2
S 9	3 9	28 26	5 2	0n29	2 45	4 7	0 45	7 9	1 2	18 7	1 12	21 26	0 45	10 24	0 48	22 38	0 54	16 16	6 45	8 28	8 49	22 25	10 13	0 2
S 10	2 46	27 11	5 13	1 11	2 27	4 38	0 43	6 54	1 2	18 8	1 12	21 27	0 45	10 24	0 48	22 39	0 53	16 16	6 45	8 28	8 48	22 28	10 16	0 2
M11	2 22	24 21	5 6	1 53	2 9	5 9	0 41	6 39	1 2	18 9	1 12	21 27	0 45	10 25	0 48	22 39	0 53	16 16	6 45	8 26	8 47	22 30	10 18	0 2
T 12	1 59	20 14	4 43	2 35	1 49	5 40	0 38	6 23	1 2	18 10	1 12	21 27	0 45	10 26	0 48	22 39	0 53	16 16	6 46	8 25	8 46	22 32	10 21	0 3
W13	1 35	15 12	4 4	3 14	1 29	6 11	0 36	6 8	1 2	18 11	1 12	21 27	0 45	10 27	0 48	22 39	0 53	16 16	6 46	8 23	8 45	22 34	10 23	0 3
T 14	1 11	9 34	3 14	3 51	1 9	6 41	0 34	5 52	1 1	18 12	1 12	21 28	0 45	10 28	0 48	22 39	0 53	16 16	6 46	8 22	8 43	22 37	10 26	0 3
F 15	0 48	3 38	2 14	4 25	0 48	7 12	0 31	5 37	1 1	18 13	1 12	21 28	0 45	10 28	0 48	22 39	0 53	16 15	6 46	8 21	8 42	22 39	10 28	0 4
S 16	0 24	2s20	1 10	4 54	0 29	7 42	0 29	5 22	1 1	18 14	1 12	21 28	0 45	10 29	0 48	22 39	0 53	16 15	6 46	8 20	8 41	22 41	10 31	0 4
S 17	0 1	8 7	0 2	5 19	0 10	8 12	0 26	5 6	1 1	18 15	1 12	21 28	0 45	10 30	0 48	22 39	0 53	16 15	6 46	8 20	8 40	22 43	10 33	0 4
M18	0s23	13 32	1s 4	5 38	0n 8	8 42	0 24	4 50	1 0	18 16	1 12	21 28	0 45	10 31	0 48	22 39	0 53	16 15	6 46	8 20	8 39	22 46	10 36	0 4
T 19	0 47	18 23	2 7	5 53	0 25	9 12	0 21	4 35	1 0	18 16	1 11	21 29	0 45	10 32	0 48	22 39	0 53	16 15	6 46	8 21	8 37	22 48	10 38	0 5
W20	1 10	22 28	3 3	6 2	0 41	9 41	0 19	4 19	1 0	18 17	1 11	21 29	0 45	10 32	0 48	22 39	0 53	16 15	6 46	8 21	8 36	22 50	10 41	0 5
T 21	1 34	25 39	3 52	6 5	0 55	10 11	0 16	4 4	1 0	18 18	1 11	21 29	0 45	10 33	0 48	22 39	0 53	16 15	6 46	8 22	8 35	22 52	10 44	0 5
F 22	1 58	27 42	4 31	6 4	1 8	10 40	0 14	3 48	0 59	18 18	1 11	21 29	0 45	10 34	0 48	22 39	0 53	16 15	6 47	8 22	8 34	22 54	10 46	0 5
S 23	2 21	28 31	4 59	5 58	1 19	11 9	0 11	3 32	0 59	18 18	1 11	21 29	0 45	10 34	0 48	22 39	0 53	16 15	6 47	8 22	8 33	22 57	10 49	0 6
S 24	2 45	27 58	5 14	5 47	1 29	11 37	0 8	3 17	0 59	18 19	1 11	21 29	0 45	10 35	0 48	22 39	0 53	16 14	6 47	8 22	8 32	22 59	10 51	0 6
M25	3 9	26 1	5 15	5 31	1 37	12 6	0 6	3 1	0 59	18 19	1 11	21 29	0 45	10 36	0 48	22 39	0 53	16 14	6 47	8 22	8 30	23 1	10 54	0 6
T 26	3 32	22 43	5 1	5 12	1 44	12 34	0 3	2 45	0 58	18 19	1 11	21 29	0 45	10 36	0 48	22 39	0 53	16 14	6 47	8 22	8 29	23 3	10 57	0 6
W27	3 56	18 11	4 30	4 49	1 50	13 2	0 0	2 29	0 58	18 20	1 11	21 29	0 45	10 37	0 48	22 39	0 53	16 14	6 47	8 21	8 28	23 5	10 59	0 7
T 28	4 19	12 37	3 43	4 23	1 55	13 29	0s 2	2 13	0 58	18 20	1 10	21 29	0 45	10 38	0 48	22 39	0 53	16 14	6 47	8 20	8 27	23 8	11 2	0 7
F 29	4 43	6 16	2 42	3 53	1 58	13 56	0 5	1 58	0 58	18 20	1 10	21 29	0 45	10 38	0 48	22 39	0 53	16 14	6 47	8 20	8 26	23 10	11 5	0 7
S 30	5s 6	0n35	1s30	3n21	2n 0	14s23	0s 8	1n42	0n57	18s20	1s10	21s29	0s45	10s39	0s48	22s39	0n53	16n14	6s47	8n20	8n24	23s12	11s 7	0n 7

Julian Day Number = 2147547.5, Delta T = 14m34s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'07, Lahiri = 12°15'07 Julian Calendar 1 Sept. 1167 == Greg. Calendar 8 Sept. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

OCTOBER 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 2 54	13♎50'48	19♈32	27♍39	9♏18	28♍36	12°R13	27♑33	4°R29	2♑14	17°R49	21°D15	21♈24	29♏29	29♎19	S 1
M 2	1 6 51	14°50'29	4♉21	29°10	10°32	29°15	12°D13	27°33	4♓27	2°14	17♊49	21♈15	21°21	29°36	29°28	M 2
T 3	1 10 47	15°50'12	19°13	0♎44	11°46	29°54	12♒13	27°34	4°25	2°15	17°48	21°16	21°18	29°42	29°36	T 3
W 4	1 14 44	16°49'57	4♊ 0	2°19	13° 0	0♎34	12°13	27°35	4°24	2°16	17°48	21°16	21°15	29°49	29°44	W 4
T 5	1 18 40	17°49'45	18°36	3°55	14°14	1°13	12°14	27°36	4°22	2°17	17°47	21°17	21°12	29°56	29°52	T 5
F 6	1 22 37	18°49'35	2♋57	5°33	15°28	1°52	12°14	27°37	4°21	2°18	17°47	21°17	21° 9	0♐ 2	0♏ 0	F 6
S 7	1 26 34	19°49'28	16°59	7°12	16°42	2°31	12°15	27°38	4°19	2°19	17°46	21°R17	21° 5	0° 9	0° 9	S 7
S 8	1 30 30	20°49'22	0♌42	8°51	17°56	3°11	12°16	27°39	4°18	2°20	17°46	21°D17	21° 2	0°16	0°17	S 8
M 9	1 34 27	21°49'19	14° 6	10°30	19°10	3°50	12°18	27°40	4°16	2°21	17°45	21°17	20°59	0°22	0°25	M 9
T 10	1 38 23	22°49'18	27°13	12°10	20°24	4°29	12°19	27°42	4°15	2°22	17°45	21°17	20°56	0°29	0°33	T 10
W11	1 42 20	23°49'20	10♍ 3	13°50	21°38	5° 8	12°21	27°43	4°14	2°23	17°44	21°17	20°53	0°36	0°42	W11
T 12	1 46 16	24°49'23	22°40	15°30	22°52	5°48	12°23	27°45	4°12	2°24	17°43	21°18	20°50	0°42	0°50	T 12
F 13	1 50 13	25°49'28	5♎ 4	17°10	24° 6	6°27	12°25	27°47	4°11	2°25	17°43	21°18	20°46	0°49	0°58	F 13
S 14	1 54 9	26°49'35	17°18	18°50	25°20	7° 7	12°27	27°48	4°10	2°26	17°42	21°R18	20°43	0°56	1° 7	S 14
S 15	1 58 6	27°49'45	29°23	20°30	26°34	7°46	12°30	27°50	4° 9	2°28	17°41	21°18	20°40	1° 2	1°15	S 15
M16	2 2 3	28°49'56	11♏20	22° 9	27°48	8°25	12°32	27°52	4° 8	2°29	17°41	21°18	20°37	1° 9	1°23	M16
T 17	2 5 59	29°50'09	23°12	23°48	29° 2	9° 5	12°35	27°54	4° 7	2°30	17°40	21°17	20°34	1°16	1°32	T 17
W18	2 9 56	0♏50'24	5♐ 2	25°27	0♐15	9°44	12°38	27°56	4° 6	2°31	17°39	21°15	20°30	1°22	1°40	W18
T 19	2 13 52	1°50'40	16°50	27° 5	1°29	10°24	12°42	27°59	4° 5	2°33	17°38	21°14	20°27	1°29	1°48	T 19
F 20	2 17 49	2°50'58	28°42	28°43	2°43	11° 3	12°45	28° 1	4° 4	2°34	17°38	21°12	20°24	1°36	1°57	F 20
S 21	2 21 45	3°51'18	10♑39	0♏21	3°57	11°43	12°49	28° 4	4° 3	2°35	17°37	21°11	20°21	1°43	2° 5	S 21
S 22	2 25 42	4°51'39	22°47	1°58	5°11	12°23	12°53	28° 6	4° 2	2°37	17°36	21°10	20°18	1°49	2°13	S 22
M23	2 29 38	5°52'02	5♒ 9	3°36	6°25	13° 2	12°57	28° 9	4° 1	2°38	17°35	21°D 9	20°15	1°56	2°22	M23
T 24	2 33 35	6°52'26	17°51	5°12	7°38	13°42	13° 1	28°12	4° 1	2°40	17°34	21°10	20°11	2° 3	2°30	T 24
W25	2 37 32	7°52'51	0♓55	6°49	8°52	14°21	13° 5	28°14	4° 0	2°41	17°33	21°11	20° 8	2° 9	2°38	W25
T 26	2 41 28	8°53'18	14°24	8°25	10° 6	15° 1	13°10	28°17	3°59	2°43	17°33	21°12	20° 5	2°16	2°46	T 26
F 27	2 45 25	9°53'46	28°22	10° 1	11°20	15°41	13°15	28°20	3°59	2°44	17°32	21°13	20° 2	2°23	2°55	F 27
S 28	2 49 21	10°54'15	12♈46	11°36	12°33	16°20	13°19	28°24	3°58	2°46	17°31	21°14	19°59	2°29	3° 3	S 28
S 29	2 53 18	11°54'46	27°33	13°11	13°47	17° 0	13°25	28°27	3°58	2°47	17°30	21°R14	19°56	2°36	3°11	S 29
M30	2 57 14	12°55'19	12♉37	14°46	15° 1	17°40	13°30	28°30	3°57	2°49	17°29	21°13	19°52	2°43	3°20	M30
T 31	3 1 11	13♏55'53	27♉49	16♏21	16♐14	18♎20	13♒35	28♑34	3♓57	2♑50	17♊28	21♈11	19♈49	2♐49	3♏28	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s29	7n32	0s10	2n47	2n 1	14s50	0s11	1n26	0n57	18s20	1s10	21s29	0s45	10s40	0s48	22s39	0n53	16n14	6s47	8n20	8n23	23s14	11s10	0n 8
M 2	5 52	14 10	1n12	2 11	2 2	15 16	0 13	1 10	0 57	18 20	1 10	21 29	0 45	10 40	0 48	22 39	0 53	16 13	6 48	8 20	8 22	23 16	11 13	0 8
T 3	6 16	20 0	2 29	1 34	2 1	15 41	0 16	0 54	0 57	18 20	1 10	21 29	0 45	10 41	0 48	22 39	0 53	16 13	6 48	8 20	8 21	23 18	11 15	0 8
W 4	6 39	24 35	3 36	0 55	2 0	16 7	0 19	0 38	0 56	18 19	1 10	21 29	0 45	10 41	0 48	22 39	0 53	16 13	6 48	8 20	8 20	23 21	11 18	0 8
T 5	7 2	27 30	4 28	0 14	1 58	16 32	0 22	0 22	0 56	18 19	1 9	21 28	0 45	10 42	0 48	22 39	0 52	16 13	6 48	8 20	8 18	23 23	11 21	0 9
F 6	7 24	28 32	5 2	0s27	1 56	16 56	0 25	0 6	0 56	18 19	1 9	21 28	0 45	10 42	0 48	22 39	0 52	16 13	6 48	8 20	8 17	23 25	11 23	0 9
S 7	7 47	27 42	5 17	1 9	1 53	17 20	0 27	0s10	0 55	18 18	1 9	21 28	0 45	10 43	0 48	22 39	0 52	16 13	6 48	8 20	8 16	23 27	11 26	0 9
S 8	8 10	25 11	5 13	1 51	1 49	17 44	0 30	0 26	0 55	18 18	1 9	21 28	0 45	10 43	0 48	22 39	0 52	16 13	6 48	8 20	8 15	23 29	11 29	0 9
M 9	8 32	21 20	4 53	2 34	1 45	18 7	0 33	0 42	0 55	18 18	1 9	21 27	0 45	10 44	0 48	22 39	0 52	16 12	6 48	8 20	8 14	23 31	11 31	0 10
T 10	8 55	16 31	4 17	3 17	1 40	18 30	0 36	0 57	0 54	18 17	1 9	21 27	0 45	10 44	0 48	22 39	0 52	16 12	6 48	8 20	8 12	23 33	11 34	0 10
W11	9 17	11 4	3 30	4 1	1 36	18 52	0 38	1 13	0 54	18 16	1 9	21 27	0 45	10 45	0 48	22 39	0 52	16 12	6 48	8 20	8 11	23 35	11 37	0 10
T 12	9 39	5 15	2 32	4 44	1 31	19 14	0 41	1 29	0 54	18 16	1 9	21 27	0 45	10 45	0 48	22 39	0 52	16 12	6 48	8 21	8 10	23 37	11 39	0 10
F 13	10 1	0s40	1 29	5 28	1 25	19 36	0 44	1 45	0 54	18 15	1 8	21 26	0 45	10 46	0 48	22 39	0 52	16 12	6 48	8 21	8 9	23 39	11 42	0 11
S 14	10 23	6 29	0 22	6 11	1 20	19 56	0 47	2 1	0 53	18 14	1 8	21 26	0 45	10 46	0 48	22 39	0 52	16 12	6 49	8 21	8 8	23 42	11 45	0 11
S 15	10 45	12 0	0s45	6 54	1 14	20 17	0 49	2 17	0 53	18 13	1 8	21 25	0 45	10 46	0 48	22 39	0 52	16 12	6 49	8 21	8 6	23 44	11 47	0 11
M16	11 7	17 2	1 49	7 37	1 8	20 36	0 52	2 33	0 53	18 12	1 8	21 25	0 45	10 47	0 48	22 40	0 52	16 12	6 49	8 21	8 5	23 46	11 50	0 11
T 17	11 28	21 22	2 48	8 19	1 2	20 55	0 55	2 49	0 52	18 11	1 8	21 25	0 45	10 47	0 48	22 40	0 52	16 11	6 49	8 20	8 4	23 48	11 53	0 12
W18	11 49	24 50	3 39	9 2	0 55	21 14	0 57	3 5	0 52	18 10	1 8	21 24	0 45	10 47	0 48	22 40	0 52	16 11	6 49	8 20	8 3	23 50	11 55	0 12
T 19	12 10	27 14	4 21	9 43	0 49	21 32	1 0	3 21	0 52	18 9	1 8	21 24	0 45	10 48	0 47	22 40	0 52	16 11	6 49	8 19	8 2	23 52	11 58	0 12
F 20	12 31	28 25	4 52	10 25	0 42	21 49	1 3	3 37	0 51	18 8	1 7	21 23	0 45	10 48	0 47	22 40	0 52	16 11	6 49	8 19	8 0	23 54	12 1	0 13
S 21	12 52	28 17	5 11	11 5	0 36	22 6	1 5	3 52	0 51	18 7	1 7	21 23	0 45	10 48	0 47	22 40	0 52	16 11	6 49	8 18	7 59	23 56	12 3	0 13
S 22	13 12	26 49	5 16	11 45	0 29	22 22	1 8	4 8	0 51	18 6	1 7	21 22	0 45	10 49	0 47	22 40	0 52	16 11	6 49	8 18	7 58	23 58	12 6	0 13
M23	13 32	24 1	5 7	12 25	0 23	22 38	1 10	4 24	0 50	18 5	1 7	21 22	0 45	10 49	0 47	22 40	0 52	16 11	6 49	8 17	7 57	24 0	12 8	0 13
T 24	13 52	20 2	4 43	13 4	0 16	22 53	1 13	4 40	0 50	18 3	1 7	21 21	0 45	10 49	0 47	22 40	0 52	16 11	6 49	8 18	7 56	24 2	12 11	0 14
W25	14 12	14 59	4 4	13 42	0 9	23 7	1 15	4 55	0 50	18 2	1 7	21 21	0 45	10 49	0 47	22 40	0 52	16 10	6 49	8 18	7 54	24 4	12 14	0 14
T 26	14 32	9 5	3 10	14 20	0 3	23 21	1 18	5 11	0 49	18 0	1 7	21 20	0 45	10 49	0 47	22 40	0 52	16 10	6 49	8 18	7 53	24 6	12 16	0 14
F 27	14 51	2 32	2 3	14 57	0s 4	23 34	1 20	5 27	0 49	17 59	1 6	21 19	0 45	10 50	0 47	22 40	0 52	16 10	6 49	8 19	7 52	24 8	12 19	0 14
S 28	15 10	4n21	0 47	15 33	0 11	23 46	1 22	5 43	0 48	17 57	1 6	21 19	0 45	10 50	0 47	22 40	0 52	16 10	6 49	8 19	7 51	24 10	12 21	0 15
S 29	15 29	11 11	0n35	16 9	0 17	23 58	1 25	5 58	0 48	17 56	1 6	21 18	0 45	10 50	0 47	22 40	0 52	16 10	6 49	8 19	7 50	24 12	12 24	0 15
M30	15 47	17 31	1 55	16 43	0 24	24 9	1 27	6 14	0 48	17 54	1 6	21 17	0 45	10 50	0 47	22 40	0 52	16 10	6 49	8 19	7 48	24 14	12 27	0 15
T 31	16s 6	22n49	3n 8	17s17	0s30	24s19	1s29	6s29	0n47	17s52	1s 6	21s17	0s45	10s50	0s47	22s40	0n52	16n10	6s49	8n18	7n47	24s16	12s29	0n15

Julian Day Number = 2147577.5, Delta T = 14m34s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'11, Lahiri = 12°15'11 Julian Calendar 1 Oct. 1167 == Greg. Calendar 8 Oct. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

NOVEMBER 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 5 7	14♏56'28	13♊ 0	17♏55	17♐28	18♎59	13♒41	28♑37	3°R57	2♑52	17°R27	21°R 8	19♈46	2♐56	3♏36	W 1
T 2	3 9 4	15°57'06	27°59	19°30	18°42	19°39	13°47	28°41	3♓56	2°54	17♊26	21♈ 4	19°43	3° 3	3°44	T 2
F 3	3 13 1	16°57'45	12♋39	21° 4	19°55	20°19	13°53	28°44	3°56	2°56	17°25	21° 1	19°40	3° 9	3°52	F 3
S 4	3 16 57	17°58'26	26°54	22°38	21° 9	20°59	13°59	28°48	3°56	2°57	17°24	20°59	19°36	3°16	4° 1	S 4
S 5	3 20 54	18°59'09	10♌43	24°11	22°22	21°39	14° 5	28°52	3°56	2°59	17°23	20°57	19°33	3°23	4° 9	S 5
M 6	3 24 50	19°59'53	24° 6	25°45	23°36	22°19	14°12	28°56	3°56	3° 1	17°22	20°D57	19°30	3°29	4°17	M 6
T 7	3 28 47	21° 0'38	7♍ 6	27°18	24°49	22°59	14°19	29° 0	3°D56	3° 3	17°21	20°58	19°27	3°36	4°25	T 7
W 8	3 32 43	22° 1'26	19°45	28°52	26° 3	23°39	14°25	29° 4	3°56	3° 4	17°20	20°59	19°24	3°43	4°33	W 8
T 9	3 36 40	23° 2'15	2♎ 8	0♐25	27°16	24°19	14°32	29° 8	3°56	3° 6	17°19	21° 1	19°21	3°49	4°41	T 9
F 10	3 40 36	24° 3'05	14°18	1°58	28°30	24°59	14°40	29°12	3°56	3° 8	17°18	21° 2	19°17	3°56	4°49	F 10
S 11	3 44 33	25° 3'57	26°19	3°31	29°43	25°39	14°47	29°17	3°56	3°10	17°17	21°R 2	19°14	4° 3	4°57	S 11
S 12	3 48 30	26° 4'50	8♏14	5° 4	0♑56	26°19	14°54	29°21	3°56	3°12	17°15	21° 1	19°11	4°10	5° 5	S 12
M13	3 52 26	27° 5'44	20° 5	6°37	2°10	26°59	15° 2	29°25	3°57	3°14	17°14	20°57	19° 8	4°16	5°13	M13
T 14	3 56 23	28° 6'40	1♐55	8°10	3°23	27°39	15°10	29°30	3°57	3°16	17°13	20°52	19° 5	4°23	5°21	T 14
W15	4 0 19	29° 7'37	13°45	9°42	4°36	28°19	15°18	29°35	3°57	3°18	17°12	20°45	19° 2	4°30	5°29	W15
T 16	4 4 16	0♐ 8'35	25°36	11°15	5°49	28°59	15°26	29°39	3°58	3°20	17°11	20°37	18°58	4°36	5°37	T 16
F 17	4 8 12	1° 9'33	7♑32	12°47	7° 3	29°40	15°34	29°44	3°58	3°22	17°10	20°29	18°55	4°43	5°44	F 17
S 18	4 12 9	2°10'33	19°33	14°20	8°16	0♏20	15°42	29°49	3°59	3°24	17° 9	20°22	18°52	4°50	5°52	S 18
S 19	4 16 6	3°11'33	1♒42	15°52	9°29	1° 0	15°51	29°54	3°59	3°26	17° 8	20°16	18°49	4°56	6° 0	S 19
M20	4 20 2	4°12'34	14° 4	17°24	10°42	1°40	16° 0	29°59	4° 0	3°28	17° 6	20°12	18°46	5° 3	6° 8	M20
T 21	4 23 59	5°13'36	26°41	18°55	11°55	2°21	16° 8	0♒ 4	4° 1	3°30	17° 5	20° 9	18°42	5°10	6°15	T 21
W22	4 27 55	6°14'38	9♓36	20°27	13° 8	3° 1	16°17	0° 9	4° 2	3°32	17° 4	20°D 9	18°39	5°16	6°23	W22
T 23	4 31 52	7°15'41	22°55	21°58	14°21	3°41	16°26	0°14	4° 2	3°34	17° 3	20°10	18°36	5°23	6°30	T 23
F 24	4 35 48	8°16'44	6♈39	23°29	15°34	4°22	16°36	0°20	4° 3	3°36	17° 2	20°11	18°33	5°30	6°38	F 24
S 25	4 39 45	9°17'48	20°51	24°59	16°47	5° 2	16°45	0°25	4° 4	3°38	17° 1	20°R12	18°30	5°36	6°46	S 25
S 26	4 43 41	10°18'52	5♉29	26°28	18° 0	5°42	16°54	0°30	4° 5	3°40	16°59	20°11	18°27	5°43	6°53	S 26
M27	4 47 38	11°19'57	20°30	27°57	19°12	6°23	17° 4	0°36	4° 6	3°42	16°58	20° 8	18°23	5°50	7° 0	M27
T 28	4 51 35	12°21'02	5♊45	29°25	20°25	7° 3	17°14	0°41	4° 7	3°44	16°57	20° 2	18°20	5°57	7° 8	T 28
W29	4 55 31	13°22'08	21° 5	0♑52	21°38	7°44	17°24	0°47	4° 8	3°47	16°56	19°54	18°17	6° 3	7°15	W29
T 30	4 59 28	14♐23'15	6♋18	2♑18	22♑50	8♏24	17♒34	0♒53	4♓ 9	3♑49	16♊55	19♈46	18♈14	6♐10	7♏22	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s24	26n33	4n 7	17s50	0s37	24s28	1s31	6s45	0n47	17s51	1s 6	21s16	0s45	10s50	0s47	22s40	0n52	16n 9	6s50	8n17	7n46	24s18	12s32	0n16
T 2	16 41	28 21	4 49	18 23	0 43	24 37	1 33	7 0	0 47	17 49	1 6	21 15	0 45	10 50	0 47	22 40	0 52	16 9	6 50	8 16	7 45	24 20	12 34	0 16
F 3	16 59	28 6	5 11	18 54	0 49	24 45	1 35	7 16	0 46	17 47	1 5	21 15	0 45	10 50	0 47	22 40	0 51	16 9	6 50	8 14	7 44	24 22	12 37	0 16
S 4	17 16	25 59	5 12	19 24	0 55	24 52	1 37	7 31	0 46	17 45	1 5	21 14	0 45	10 50	0 47	22 40	0 51	16 9	6 50	8 13	7 42	24 24	12 39	0 16
S 5	17 33	22 22	4 56	19 54	1 1	24 59	1 39	7 46	0 45	17 43	1 5	21 13	0 45	10 50	0 47	22 40	0 51	16 9	6 50	8 13	7 41	24 26	12 42	0 17
M 6	17 49	17 41	4 23	20 22	1 7	25 5	1 41	8 2	0 45	17 41	1 5	21 12	0 45	10 50	0 47	22 40	0 51	16 9	6 50	8 13	7 40	24 28	12 44	0 17
T 7	18 6	12 19	3 38	20 50	1 13	25 10	1 43	8 17	0 45	17 39	1 5	21 11	0 45	10 50	0 47	22 40	0 51	16 9	6 50	8 13	7 39	24 30	12 47	0 17
W 8	18 21	6 34	2 43	21 17	1 19	25 14	1 45	8 32	0 44	17 37	1 5	21 11	0 45	10 50	0 47	22 40	0 51	16 9	6 50	8 14	7 37	24 31	12 49	0 17
T 9	18 37	0 42	1 42	21 42	1 24	25 18	1 46	8 47	0 44	17 35	1 5	21 10	0 45	10 50	0 47	22 39	0 51	16 9	6 50	8 14	7 36	24 33	12 52	0 18
F 10	18 52	5s 6	0 37	22 6	1 29	25 21	1 48	9 3	0 43	17 32	1 5	21 9	0 45	10 50	0 47	22 39	0 51	16 8	6 50	8 15	7 35	24 35	12 54	0 18
S 11	19 7	10 39	0s29	22 30	1 34	25 23	1 50	9 18	0 43	17 30	1 4	21 8	0 45	10 50	0 47	22 39	0 51	16 8	6 50	8 15	7 34	24 37	12 57	0 18
S 12	19 22	15 46	1 32	22 52	1 39	25 24	1 51	9 33	0 42	17 28	1 4	21 7	0 45	10 50	0 47	22 39	0 51	16 8	6 50	8 14	7 33	24 39	12 59	0 19
M13	19 36	20 17	2 32	23 13	1 44	25 24	1 53	9 47	0 42	17 25	1 4	21 6	0 45	10 50	0 47	22 39	0 51	16 8	6 50	8 13	7 31	24 41	13 1	0 19
T 14	19 50	23 58	3 24	23 33	1 48	25 24	1 54	10 2	0 42	17 23	1 4	21 5	0 45	10 50	0 46	22 39	0 51	16 8	6 50	8 11	7 30	24 43	13 4	0 19
W15	20 3	26 39	4 8	23 52	1 52	25 23	1 55	10 17	0 41	17 20	1 4	21 4	0 45	10 49	0 46	22 39	0 51	16 8	6 50	8 8	7 29	24 45	13 6	0 19
T 16	20 16	28 9	4 40	24 9	1 56	25 22	1 56	10 32	0 41	17 18	1 4	21 3	0 45	10 49	0 46	22 39	0 51	16 8	6 50	8 5	7 28	24 47	13 9	0 20
F 17	20 29	28 21	5 1	24 25	2 0	25 19	1 58	10 47	0 40	17 15	1 4	21 2	0 45	10 49	0 46	22 39	0 51	16 8	6 50	8 2	7 27	24 48	13 11	0 20
S 18	20 42	27 13	5 9	24 40	2 3	25 16	1 59	11 1	0 40	17 13	1 4	21 1	0 45	10 49	0 46	22 39	0 51	16 8	6 50	8 0	7 25	24 50	13 13	0 20
S 19	20 54	24 47	5 3	24 53	2 6	25 12	2 0	11 16	0 39	17 10	1 4	21 0	0 45	10 49	0 46	22 39	0 51	16 7	6 50	7 57	7 24	24 52	13 16	0 20
M20	21 5	21 11	4 43	25 5	2 9	25 7	2 1	11 30	0 39	17 7	1 3	20 59	0 45	10 48	0 46	22 39	0 51	16 7	6 50	7 56	7 23	24 54	13 18	0 21
T 21	21 16	16 34	4 9	25 16	2 11	25 2	2 1	11 44	0 38	17 5	1 3	20 58	0 45	10 48	0 46	22 39	0 51	16 7	6 50	7 55	7 22	24 56	13 20	0 21
W22	21 27	11 6	3 21	25 25	2 13	24 55	2 2	11 59	0 38	17 2	1 3	20 57	0 45	10 48	0 46	22 39	0 51	16 7	6 50	7 55	7 21	24 58	13 22	0 21
T 23	21 37	5 0	2 22	25 33	2 15	24 48	2 3	12 13	0 38	16 59	1 3	20 56	0 45	10 47	0 46	22 39	0 51	16 7	6 50	7 55	7 19	24 59	13 25	0 22
F 24	21 47	1n33	1 12	25 39	2 16	24 41	2 3	12 27	0 37	16 56	1 3	20 55	0 45	10 47	0 46	22 39	0 51	16 7	6 50	7 55	7 18	25 1	13 27	0 22
S 25	21 57	8 14	0n 4	25 44	2 17	24 32	2 4	12 41	0 37	16 53	1 3	20 53	0 45	10 47	0 46	22 39	0 51	16 7	6 50	7 56	7 17	25 3	13 29	0 22
S 26	22 6	14 41	1 21	25 47	2 17	24 23	2 4	12 55	0 36	16 50	1 3	20 52	0 45	10 46	0 46	22 39	0 51	16 7	6 50	7 55	7 16	25 5	13 31	0 22
M27	22 15	20 27	2 35	25 49	2 17	24 13	2 4	13 9	0 36	16 47	1 3	20 51	0 45	10 46	0 46	22 39	0 51	16 7	6 50	7 54	7 14	25 7	13 33	0 23
T 28	22 23	24 58	3 40	25 49	2 16	24 3	2 5	13 23	0 35	16 44	1 3	20 50	0 45	10 45	0 46	22 39	0 51	16 7	6 50	7 52	7 13	25 9	13 36	0 23
W29	22 31	27 42	4 28	25 47	2 14	23 51	2 5	13 36	0 35	16 41	1 2	20 49	0 45	10 45	0 46	22 39	0 51	16 7	6 49	7 49	7 12	25 10	13 38	0 23
T 30	22s38	28n21	4n57	25s44	2s12	23s39	2s 5	13s50	0n34	16s38	1s 2	20s48	0s45	10s44	0s46	22s39	0n51	16n 7	6s49	7n46	7n11	25s12	13s40	0n24

Julian Day Number = 2147608.5, Delta T = 14m34s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'15, Lahiri = 12°15'16 Julian Calendar 1 Nov. 1167 == Greg. Calendar 8 Nov. 1167

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ASTRODIENST EPHEMERIS for the year 1167
geocentric

DECEMBER 1167 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 3 24	15♐24'22	21♋14	3♑42	24♑ 3	9♏ 5	17♒44	0♒58	4♓11	3♑51	16°R53	19°R37	18♈11	6♐17	7♏29	F 1
S 2	5 7 21	16°25'30	5♌45	5° 4	25°15	9°45	17°54	1° 4	4°12	3°53	16♊52	19♈29	18° 8	6°23	7°37	S 2
S 3	5 11 17	17°26'39	19°46	6°24	26°27	10°26	18° 4	1°10	4°13	3°55	16°51	19°24	18° 4	6°30	7°44	S 3
M 4	5 15 14	18°27'48	3♍17	7°42	27°40	11° 7	18°15	1°16	4°14	3°57	16°50	19°20	18° 1	6°37	7°51	M 4
T 5	5 19 10	19°28'58	16°20	8°57	28°52	11°47	18°25	1°22	4°16	4° 0	16°49	19°D19	17°58	6°43	7°58	T 5
W 6	5 23 7	20°30'09	28°58	10° 8	0♒ 4	12°28	18°36	1°28	4°17	4° 2	16°48	19°19	17°55	6°50	8° 5	W 6
T 7	5 27 4	21°31'20	11♎17	11°16	1°16	13° 9	18°47	1°34	4°19	4° 4	16°46	19°20	17°52	6°57	8°11	T 7
F 8	5 31 0	22°32'32	23°21	12°19	2°28	13°49	18°58	1°40	4°20	4° 6	16°45	19°R20	17°48	7° 3	8°18	F 8
S 9	5 34 57	23°33'44	5♏16	13°16	3°40	14°30	19° 9	1°46	4°22	4° 9	16°44	19°19	17°45	7°10	8°25	S 9
S 10	5 38 53	24°34'56	17° 6	14° 7	4°52	15°11	19°20	1°52	4°24	4°11	16°43	19°15	17°42	7°17	8°32	S 10
M11	5 42 50	25°36'09	28°54	14°52	6° 4	15°52	19°31	1°59	4°25	4°13	16°42	19° 8	17°39	7°24	8°38	M11
T 12	5 46 46	26°37'23	10♐43	15°28	7°16	16°32	19°42	2° 5	4°27	4°15	16°40	18°58	17°36	7°30	8°45	T 12
W13	5 50 43	27°38'36	22°36	15°56	8°28	17°13	19°54	2°11	4°29	4°18	16°39	18°46	17°33	7°37	8°51	W13
T 14	5 54 39	28°39'50	4♑33	16°14	9°39	17°54	20° 5	2°18	4°31	4°20	16°38	18°33	17°29	7°44	8°58	T 14
F 15	5 58 36	29°41'03	16°37	16°R22	10°51	18°35	20°17	2°24	4°32	4°22	16°37	18°19	17°26	7°50	9° 4	F 15
S 16	6 2 33	0♑42'17	28°48	16°18	12° 2	19°16	20°29	2°31	4°34	4°24	16°36	18° 6	17°23	7°57	9°10	S 16
S 17	6 6 29	1°43'30	11♒ 7	16° 3	13°14	19°57	20°40	2°37	4°36	4°27	16°35	17°54	17°20	8° 4	9°17	S 17
M18	6 10 26	2°44'42	23°36	15°36	14°25	20°38	20°52	2°44	4°38	4°29	16°33	17°45	17°17	8°10	9°23	M18
T 19	6 14 22	3°45'55	6♓17	14°57	15°36	21°19	21° 4	2°50	4°40	4°31	16°32	17°40	17°14	8°17	9°29	T 19
W20	6 18 19	4°47'07	19°12	14° 7	16°47	22° 0	21°16	2°57	4°42	4°34	16°31	17°37	17°10	8°24	9°35	W20
T 21	6 22 15	5°48'18	2♈25	13° 7	17°58	22°41	21°28	3° 3	4°44	4°36	16°30	17°D36	17° 7	8°30	9°41	T 21
F 22	6 26 12	6°49'29	15°59	11°59	19° 9	23°22	21°41	3°10	4°47	4°38	16°29	17°R36	17° 4	8°37	9°47	F 22
S 23	6 30 9	7°50'39	29°55	10°45	20°19	24° 3	21°53	3°17	4°49	4°40	16°28	17°36	17° 1	8°44	9°52	S 23
S 24	6 34 5	8°51'49	14♉15	9°26	21°30	24°44	22° 5	3°24	4°51	4°43	16°27	17°34	16°58	8°51	9°58	S 24
M25	6 38 2	9°52'58	28°57	8° 7	22°40	25°25	22°18	3°31	4°53	4°45	16°26	17°29	16°54	8°57	10° 4	M25
T 26	6 41 58	10°54'06	13♊56	6°48	23°50	26° 6	22°30	3°37	4°56	4°47	16°25	17°21	16°51	9° 4	10° 9	T 26
W27	6 45 55	11°55'14	29° 4	5°33	25° 1	26°47	22°43	3°44	4°58	4°49	16°24	17°11	16°48	9°11	10°15	W27
T 28	6 49 51	12°56'22	14♋12	4°24	26°11	27°28	22°56	3°51	5° 0	4°52	16°22	16°59	16°45	9°17	10°20	T 28
F 29	6 53 48	13°57'29	29° 8	3°21	27°21	28°10	23° 9	3°58	5° 3	4°54	16°21	16°47	16°42	9°24	10°25	F 29
S 30	6 57 44	14°58'35	13♌44	2°27	28°30	28°51	23°21	4° 5	5° 5	4°56	16°20	16°37	16°39	9°31	10°30	S 30
S 31	7 1 41	15♑59'40	27♌53	1♑42	29♒40	29♏32	23♒34	4♒12	5♓ 8	4♑58	16♊19	16♈28	16♈35	9♐37	10♏36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s45	26n53	5n 5	25s39	2s 9	23s27	2s 5	14s 3	0n34	16s35	1s 2	20s46	0s45	10s44	0s46	22s39	0n51	16n 7	6s49	7n42	7n10	25s14	13s42	0n24
S 2	22 51	23 39	4 53	25 33	2 6	23 13	2 4	14 17	0 33	16 31	1 2	20 45	0 45	10 44	0 46	22 39	0 51	16 6	6 49	7 40	7 8	25 16	13 44	0 24
S 3	22 57	19 8	4 24	25 25	2 2	22 59	2 4	14 30	0 33	16 28	1 2	20 44	0 45	10 43	0 46	22 39	0 51	16 6	6 49	7 37	7 7	25 17	13 46	0 24
M 4	23 3	13 46	3 41	25 16	1 56	22 45	2 4	14 43	0 32	16 25	1 2	20 42	0 45	10 42	0 46	22 39	0 51	16 6	6 49	7 36	7 6	25 19	13 48	0 25
T 5	23 8	7 59	2 47	25 5	1 50	22 30	2 3	14 56	0 31	16 21	1 2	20 41	0 45	10 42	0 46	22 39	0 51	16 6	6 49	7 36	7 5	25 21	13 50	0 25
W 6	23 12	2 3	1 47	24 53	1 43	22 14	2 3	15 9	0 31	16 18	1 2	20 40	0 46	10 41	0 46	22 39	0 51	16 6	6 49	7 36	7 4	25 23	13 52	0 25
T 7	23 17	3s49	0 43	24 39	1 35	21 57	2 2	15 22	0 30	16 14	1 2	20 39	0 46	10 41	0 46	22 39	0 51	16 6	6 49	7 36	7 2	25 24	13 54	0 26
F 8	23 20	9 27	0s21	24 25	1 26	21 40	2 1	15 35	0 30	16 11	1 2	20 37	0 46	10 40	0 46	22 38	0 51	16 6	6 49	7 36	7 1	25 26	13 56	0 26
S 9	23 24	14 39	1 24	24 9	1 16	21 22	2 1	15 48	0 29	16 7	1 2	20 36	0 46	10 40	0 46	22 38	0 51	16 6	6 49	7 36	7 0	25 28	13 58	0 26
S 10	23 26	19 17	2 22	23 53	1 5	21 4	2 0	16 0	0 29	16 4	1 1	20 35	0 46	10 39	0 45	22 38	0 51	16 6	6 49	7 34	6 59	25 29	14 0	0 26
M11	23 29	23 9	3 14	23 35	0 53	20 45	1 59	16 13	0 28	16 0	1 1	20 33	0 46	10 38	0 45	22 38	0 51	16 6	6 49	7 32	6 57	25 31	14 1	0 27
T 12	23 30	26 4	3 57	23 18	0 39	20 26	1 57	16 25	0 28	15 57	1 1	20 32	0 46	10 38	0 45	22 38	0 51	16 6	6 49	7 28	6 56	25 33	14 3	0 27
W13	23 32	27 51	4 31	23 0	0 24	20 6	1 56	16 37	0 27	15 53	1 1	20 30	0 46	10 37	0 45	22 38	0 51	16 6	6 49	7 23	6 55	25 35	14 5	0 27
T 14	23 33	28 20	4 52	22 42	0 8	19 45	1 55	16 49	0 26	15 49	1 1	20 29	0 46	10 36	0 45	22 38	0 51	16 6	6 49	7 18	6 54	25 36	14 7	0 28
F 15	23 33	27 29	5 1	22 24	0n 9	19 24	1 53	17 1	0 26	15 45	1 1	20 27	0 46	10 36	0 45	22 38	0 51	16 6	6 48	7 13	6 53	25 38	14 9	0 28
S 16	23 33	25 19	4 56	22 6	0 27	19 3	1 52	17 13	0 25	15 42	1 1	20 26	0 46	10 35	0 45	22 38	0 51	16 6	6 48	7 8	6 51	25 40	14 10	0 28
S 17	23 32	21 57	4 37	21 50	0 46	18 41	1 50	17 25	0 25	15 38	1 1	20 25	0 46	10 34	0 45	22 38	0 51	16 6	6 48	7 3	6 50	25 41	14 12	0 29
M18	23 31	17 34	4 5	21 34	1 5	18 18	1 48	17 36	0 24	15 34	1 1	20 23	0 46	10 33	0 45	22 38	0 51	16 6	6 48	7 0	6 49	25 43	14 14	0 29
T 19	23 30	12 21	3 20	21 19	1 24	17 55	1 46	17 48	0 24	15 30	1 1	20 22	0 46	10 33	0 45	22 38	0 51	16 6	6 48	6 58	6 48	25 45	14 15	0 29
W20	23 28	6 30	2 24	21 5	1 44	17 32	1 44	17 59	0 23	15 26	1 1	20 20	0 46	10 32	0 45	22 38	0 51	16 6	6 48	6 57	6 46	25 46	14 17	0 29
T 21	23 25	0 15	1 19	20 52	2 2	17 8	1 42	18 10	0 22	15 22	1 1	20 19	0 46	10 31	0 45	22 38	0 51	16 6	6 48	6 56	6 45	25 48	14 19	0 30
F 22	23 22	6n11	0 9	20 41	2 20	16 44	1 40	18 21	0 22	15 18	1 1	20 17	0 46	10 30	0 45	22 38	0 50	16 6	6 48	6 56	6 44	25 49	14 20	0 30
S 23	23 19	12 30	1n 5	20 31	2 36	16 19	1 38	18 32	0 21	15 14	1 1	20 16	0 46	10 29	0 45	22 38	0 50	16 6	6 48	6 56	6 43	25 51	14 22	0 30
S 24	23 15	18 21	2 16	20 23	2 50	15 54	1 35	18 43	0 20	15 10	1 0	20 14	0 46	10 28	0 45	22 37	0 50	16 6	6 48	6 55	6 42	25 53	14 23	0 31
M25	23 11	23 16	3 20	20 16	3 2	15 29	1 33	18 53	0 20	15 6	1 0	20 12	0 46	10 28	0 45	22 37	0 50	16 6	6 48	6 54	6 40	25 54	14 25	0 31
T 26	23 6	26 44	4 11	20 11	3 12	15 3	1 30	19 3	0 19	15 1	1 0	20 11	0 46	10 27	0 45	22 37	0 50	16 6	6 47	6 51	6 39	25 56	14 26	0 31
W27	23 1	28 18	4 45	20 7	3 19	14 37	1 27	19 14	0 19	14 57	1 0	20 9	0 46	10 26	0 45	22 37	0 50	16 6	6 47	6 47	6 38	25 57	14 27	0 32
T 28	22 55	27 45	5 0	20 5	3 24	14 10	1 24	19 24	0 18	14 53	1 0	20 8	0 46	10 25	0 45	22 37	0 50	16 6	6 47	6 42	6 37	25 59	14 29	0 32
F 29	22 49	25 12	4 53	20 5	3 26	13 44	1 22	19 34	0 17	14 49	1 0	20 6	0 46	10 24	0 45	22 37	0 50	16 6	6 47	6 38	6 35	26 1	14 30	0 32
S 30	22 42	21 3	4 27	20 6	3 26	13 16	1 18	19 44	0 17	14 45	1 0	20 4	0 46	10 23	0 45	22 37	0 50	16 6	6 47	6 33	6 34	26 2	14 32	0 33
S 31	22s35	15n47	3n46	20s 8	3n24	12s49	1s15	19s53	0n16	14s40	1s 0	20s 3	0s46	10s22	0s45	22s37	0n50	16n 6	6s47	6n30	6n33	26s 4	14s33	0n33

Julian Day Number = 2147638.5, Delta T = 14m33s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'19, Lahiri = 12°15'20 Julian Calendar 1 Dec. 1167 == Greg. Calendar 8 Dec. 1167

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

JANUARY 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 5 38	17♉ 0'46	11♍32	1°R 6	0♓49	0♐13	23♒47	4♒19	5♓10	5♉ 1	16°R18	16°R22	16♈32	9♐44	10♏41	M 1
T 2	7 9 34	18° 1'50	24°43	0♉40	1°59	0°55	24° 0	4°26	5°13	5° 3	16♊17	16♈19	16°29	9°51	10°46	T 2
W 3	7 13 31	19° 2'55	7♎26	0°23	3° 8	1°36	24°13	4°33	5°15	5° 5	16°16	16°17	16°26	9°57	10°50	W 3
T 4	7 17 27	20° 3'58	19°48	0°D14	4°17	2°17	24°27	4°40	5°18	5° 7	16°15	16°17	16°23	10° 4	10°55	T 4
F 5	7 21 24	21° 5'02	1♏54	0°15	5°25	2°59	24°40	4°47	5°21	5°10	16°14	16°17	16°20	10°11	11° 0	F 5
S 6	7 25 20	22° 6'05	13°49	0°22	6°34	3°40	24°53	4°54	5°23	5°12	16°13	16°15	16°16	10°18	11° 4	S 6
S 7	7 29 17	23° 7'07	25°38	0°37	7°43	4°22	25° 6	5° 1	5°26	5°14	16°13	16°12	16°13	10°24	11° 9	S 7
M 8	7 33 13	24° 8'08	7♐26	0°59	8°51	5° 3	25°20	5° 8	5°29	5°16	16°12	16° 5	16°10	10°31	11°13	M 8
T 9	7 37 10	25° 9'09	19°17	1°27	9°59	5°45	25°33	5°16	5°32	5°18	16°11	15°55	16° 7	10°38	11°18	T 9
W10	7 41 7	26°10'09	1♑15	2° 0	11° 7	6°26	25°47	5°23	5°34	5°21	16°10	15°43	16° 4	10°44	11°22	W10
T 11	7 45 3	27°11'08	13°20	2°39	12°14	7° 8	26° 0	5°30	5°37	5°23	16° 9	15°29	16° 0	10°51	11°26	T 11
F 12	7 49 0	28°12'07	25°35	3°22	13°22	7°49	26°14	5°37	5°40	5°25	16° 8	15°15	15°57	10°58	11°30	F 12
S 13	7 52 56	29°13'04	7♒59	4° 9	14°29	8°31	26°28	5°44	5°43	5°27	16° 7	15° 1	15°54	11° 4	11°34	S 13
S 14	7 56 53	0♒14'00	20°34	5° 0	15°36	9°12	26°41	5°52	5°46	5°29	16° 6	14°49	15°51	11°11	11°38	S 14
M15	8 0 49	1°14'54	3♓20	5°54	16°43	9°54	26°55	5°59	5°49	5°31	16° 6	14°40	15°48	11°18	11°41	M15
T 16	8 4 46	2°15'48	16°16	6°52	17°50	10°35	27° 9	6° 6	5°52	5°33	16° 5	14°34	15°45	11°25	11°45	T 16
W17	8 8 42	3°16'39	29°23	7°52	18°56	11°17	27°23	6°13	5°55	5°35	16° 4	14°31	15°41	11°31	11°48	W17
T 18	8 12 39	4°17'30	12♈43	8°55	20° 2	11°59	27°37	6°20	5°58	5°37	16° 3	14°D30	15°38	11°38	11°52	T 18
F 19	8 16 36	5°18'19	26°17	10° 1	21° 8	12°40	27°51	6°28	6° 1	5°39	16° 3	14°30	15°35	11°45	11°55	F 19
S 20	8 20 32	6°19'06	10♉ 7	11° 8	22°14	13°22	28° 5	6°35	6° 4	5°41	16° 2	14°R30	15°32	11°51	11°58	S 20
S 21	8 24 29	7°19'52	24°13	12°18	23°19	14° 4	28°19	6°42	6° 7	5°43	16° 1	14°29	15°29	11°58	12° 1	S 21
M22	8 28 25	8°20'36	8♊35	13°30	24°24	14°46	28°33	6°49	6°10	5°45	16° 1	14°25	15°26	12° 5	12° 4	M22
T 23	8 32 22	9°21'18	23°10	14°43	25°29	15°27	28°47	6°56	6°14	5°47	16° 0	14°19	15°22	12°11	12° 7	T 23
W24	8 36 18	10°21'59	7♋53	15°58	26°33	16° 9	29° 1	7° 4	6°17	5°49	15°59	14°11	15°19	12°18	12°10	W24
T 25	8 40 15	11°22'38	22°37	17°15	27°37	16°51	29°15	7°11	6°20	5°51	15°59	14° 1	15°16	12°25	12°13	T 25
F 26	8 44 12	12°23'16	7♌15	18°33	28°41	17°33	29°29	7°18	6°23	5°53	15°58	13°51	15°13	12°32	12°15	F 26
S 27	8 48 8	13°23'52	21°38	19°52	29°45	18°15	29°43	7°25	6°26	5°55	15°57	13°42	15°10	12°38	12°18	S 27
S 28	8 52 5	14°24'26	5♍40	21°13	0♈48	18°56	29°58	7°33	6°30	5°57	15°57	13°34	15° 6	12°45	12°20	S 28
M29	8 56 1	15°24'59	19°18	22°35	1°50	19°38	0♓12	7°40	6°33	5°59	15°56	13°29	15° 3	12°52	12°22	M29
T 30	8 59 58	16°25'31	2♎30	23°59	2°53	20°20	0°26	7°47	6°36	6° 1	15°56	13°26	15° 0	12°58	12°24	T 30
W31	9 3 54	17♒26'01	15♎18	25♉23	3♈55	21♐ 2	0♓41	7♒54	6♓39	6♉ 3	15♊55	13°D26	14♈57	13♐ 5	12♏26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s28	9n55	2n52	20s13	3n20	12s21	1s12	20s 3	0n15	14s36	1s 0	20s 1	0s46	10s21	0s45	22s37	0n50	16n 6	6s47	6n28	6n32	26s 5	14s34	0n33
T 2	22 20	3 49	1 51	20 18	3 15	11 53	1 9	20 12	0 14	14 31	1 0	20 0	0 46	10 20	0 45	22 37	0 50	16 6	6 47	6 27	6 31	26 7	14 35	0 34
W 3	22 11	2s15	0 47	20 25	3 8	11 25	1 5	20 21	0 14	14 27	1 0	19 58	0 47	10 19	0 45	22 37	0 50	16 6	6 46	6 26	6 29	26 8	14 37	0 34
T 4	22 3	8 4	0s19	20 32	3 1	10 57	1 2	20 30	0 13	14 23	1 0	19 56	0 47	10 18	0 45	22 37	0 50	16 6	6 46	6 26	6 28	26 10	14 38	0 34
F 5	21 53	13 28	1 22	20 41	2 52	10 28	0 58	20 39	0 12	14 18	1 0	19 55	0 47	10 17	0 45	22 37	0 50	16 6	6 46	6 26	6 27	26 11	14 39	0 35
S 6	21 44	18 17	2 20	20 50	2 43	9 59	0 54	20 48	0 12	14 14	1 0	19 53	0 47	10 16	0 45	22 36	0 50	16 6	6 46	6 25	6 26	26 13	14 40	0 35
S 7	21 34	22 22	3 12	20 59	2 34	9 30	0 50	20 56	0 11	14 9	1 0	19 51	0 47	10 15	0 45	22 36	0 50	16 6	6 46	6 24	6 24	26 15	14 41	0 35
M 8	21 23	25 31	3 55	21 9	2 24	9 0	0 46	21 4	0 10	14 4	1 0	19 50	0 47	10 14	0 45	22 36	0 50	16 6	6 46	6 21	6 23	26 16	14 42	0 36
T 9	21 12	27 35	4 29	21 19	2 14	8 31	0 42	21 12	0 10	14 0	1 0	19 48	0 47	10 13	0 45	22 36	0 50	16 6	6 46	6 17	6 22	26 18	14 43	0 36
W10	21 1	28 23	4 51	21 29	2 3	8 1	0 38	21 20	0 9	13 55	1 0	19 46	0 47	10 12	0 45	22 36	0 50	16 6	6 45	6 13	6 21	26 19	14 44	0 36
T 11	20 49	27 51	5 0	21 39	1 53	7 31	0 34	21 28	0 8	13 51	1 0	19 44	0 47	10 11	0 45	22 36	0 50	16 6	6 45	6 7	6 20	26 21	14 45	0 37
F 12	20 37	25 57	4 55	21 48	1 42	7 1	0 29	21 36	0 7	13 46	1 0	19 43	0 47	10 10	0 45	22 36	0 50	16 6	6 45	6 2	6 18	26 22	14 46	0 37
S 13	20 25	22 48	4 37	21 57	1 32	6 31	0 25	21 43	0 7	13 41	1 0	19 41	0 47	10 9	0 44	22 36	0 50	16 7	6 45	5 56	6 17	26 23	14 47	0 37
S 14	20 12	18 33	4 4	22 6	1 21	6 1	0 20	21 50	0 6	13 36	1 0	19 39	0 47	10 8	0 44	22 36	0 50	16 7	6 45	5 52	6 16	26 25	14 48	0 38
M15	19 58	13 26	3 19	22 14	1 11	5 31	0 16	21 57	0 5	13 32	1 0	19 38	0 47	10 7	0 44	22 36	0 50	16 7	6 45	5 48	6 15	26 26	14 48	0 38
T 16	19 45	7 39	2 24	22 22	1 1	5 0	0 11	22 4	0 4	13 27	1 0	19 36	0 47	10 5	0 44	22 36	0 50	16 7	6 44	5 46	6 13	26 28	14 49	0 38
W17	19 31	1 27	1 19	22 28	0 51	4 30	0 6	22 11	0 3	13 22	1 0	19 34	0 47	10 4	0 44	22 35	0 50	16 7	6 44	5 45	6 12	26 29	14 50	0 39
T 18	19 16	4n54	0 9	22 34	0 41	3 59	0 1	22 17	0 3	13 17	1 0	19 32	0 47	10 3	0 44	22 35	0 50	16 7	6 44	5 44	6 11	26 31	14 51	0 39
F 19	19 2	11 9	1n 2	22 39	0 31	3 28	0n 4	22 23	0 2	13 12	1 0	19 31	0 47	10 2	0 44	22 35	0 50	16 7	6 44	5 44	6 10	26 32	14 51	0 39
S 20	18 47	17 0	2 12	22 43	0 21	2 58	0 9	22 29	0 1	13 8	1 0	19 29	0 48	10 1	0 44	22 35	0 50	16 7	6 44	5 44	6 8	26 34	14 52	0 40
S 21	18 31	22 3	3 14	22 47	0 12	2 27	0 14	22 35	0 0	13 3	1 0	19 27	0 48	10 0	0 44	22 35	0 50	16 7	6 44	5 44	6 7	26 35	14 53	0 40
M22	18 16	25 53	4 6	22 49	0 3	1 56	0 19	22 41	0s 1	12 58	1 0	19 25	0 48	9 58	0 44	22 35	0 50	16 7	6 43	5 43	6 6	26 36	14 53	0 40
T 23	18 0	28 5	4 43	22 50	0s 6	1 26	0 25	22 46	0 1	12 53	1 0	19 24	0 48	9 57	0 44	22 35	0 50	16 7	6 43	5 40	6 5	26 38	14 54	0 41
W24	17 43	28 19	5 1	22 50	0 14	0 55	0 30	22 52	0 2	12 48	1 0	19 22	0 48	9 56	0 44	22 35	0 50	16 8	6 43	5 37	6 4	26 39	14 54	0 41
T 25	17 27	26 34	5 0	22 48	0 23	0 24	0 36	22 57	0 3	12 43	1 0	19 20	0 48	9 55	0 44	22 35	0 50	16 8	6 43	5 33	6 2	26 41	14 55	0 41
F 26	17 10	23 2	4 38	22 46	0 31	0n 6	0 41	23 2	0 4	12 38	1 0	19 18	0 48	9 54	0 44	22 35	0 50	16 8	6 43	5 29	6 1	26 42	14 55	0 42
S 27	16 53	18 8	4 0	22 42	0 39	0 37	0 47	23 6	0 5	12 33	1 0	19 16	0 48	9 52	0 44	22 35	0 50	16 8	6 43	5 26	6 0	26 43	14 56	0 42
S 28	16 35	12 22	3 7	22 38	0 46	1 7	0 53	23 11	0 6	12 28	1 0	19 15	0 48	9 51	0 44	22 34	0 50	16 8	6 42	5 23	5 59	26 45	14 56	0 43
M29	16 17	6 10	2 5	22 31	0 53	1 38	0 58	23 15	0 6	12 23	1 0	19 13	0 48	9 50	0 44	22 34	0 50	16 8	6 42	5 21	5 57	26 46	14 56	0 43
T 30	15 59	0s 7	0 58	22 24	1 0	2 8	1 4	23 19	0 7	12 18	1 0	19 11	0 48	9 49	0 44	22 34	0 50	16 8	6 42	5 20	5 56	26 47	14 57	0 43
W31	15s41	6s13	0s10	22s15	1s 7	2n38	1n10	23s23	0s 8	12s13	1s 0	19s 9	0s48	9s48	0s44	22s34	0n51	16n 8	6s42	5n19	5n55	26s49	14s57	0n44

Julian Day Number = 2147669.5, Delta T = 14m33s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'24, Lahiri = 12°15'24 Julian Calendar 1 Jan. 1168 == Greg. Calendar 8 Jan. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

FEBRUARY 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 7 51	18♒26'30	27♎45	26♑49	4♈57	21♐44	0♓55	8♒ 1	6♓43	6♑ 4	15°R55	13♈26	14♈54	13♐12	12♏28	T 1
F 2	9 11 47	19°26'57	9♏55	28°16	5°58	22°26	1° 9	8° 8	6°46	6° 6	15♊54	13°27	14°51	13°18	12°30	F 2
S 3	9 15 44	20°27'23	21°53	29°44	6°59	23° 8	1°24	8°15	6°49	6° 8	15°54	13°R28	14°47	13°25	12°32	S 3
S 4	9 19 41	21°27'48	3♐44	1♒13	7°59	23°50	1°38	8°23	6°53	6°10	15°54	13°27	14°44	13°32	12°33	S 4
M 5	9 23 37	22°28'12	15°35	2°43	8°59	24°32	1°52	8°30	6°56	6°11	15°53	13°24	14°41	13°39	12°35	M 5
T 6	9 27 34	23°28'33	27°28	4°14	9°59	25°14	2° 7	8°37	6°59	6°13	15°53	13°19	14°38	13°45	12°36	T 6
W 7	9 31 30	24°28'54	9♑29	5°46	10°58	25°56	2°21	8°44	7° 3	6°15	15°52	13°12	14°35	13°52	12°37	W 7
T 8	9 35 27	25°29'12	21°41	7°19	11°57	26°38	2°36	8°51	7° 6	6°17	15°52	13° 3	14°32	13°59	12°38	T 8
F 9	9 39 23	26°29'29	4♒ 5	8°53	12°55	27°20	2°50	8°58	7° 9	6°18	15°52	12°54	14°28	14° 5	12°39	F 9
S 10	9 43 20	27°29'45	16°44	10°28	13°52	28° 2	3° 5	9° 5	7°13	6°20	15°52	12°45	14°25	14°12	12°40	S 10
S 11	9 47 16	28°29'58	29°37	12° 5	14°50	28°45	3°19	9°12	7°16	6°21	15°51	12°38	14°22	14°19	12°41	S 11
M12	9 51 13	29°30'10	12♓43	13°42	15°46	29°27	3°34	9°19	7°20	6°23	15°51	12°32	14°19	14°26	12°42	M12
T 13	9 55 10	0♓30'19	26° 1	15°20	16°42	0♑ 9	3°48	9°26	7°23	6°24	15°51	12°29	14°16	14°32	12°42	T 13
W14	9 59 6	1°30'27	9♈31	17° 0	17°38	0°51	4° 3	9°33	7°27	6°26	15°51	12°D28	14°12	14°39	12°43	W14
T 15	10 3 3	2°30'33	23°11	18°40	18°32	1°33	4°17	9°40	7°30	6°27	15°50	12°28	14° 9	14°46	12°43	T 15
F 16	10 6 59	3°30'36	7♉ 1	20°22	19°27	2°16	4°32	9°46	7°33	6°29	15°50	12°29	14° 6	14°52	12°43	F 16
S 17	10 10 56	4°30'37	20°58	22° 4	20°20	2°58	4°46	9°53	7°37	6°30	15°50	12°31	14° 3	14°59	12°44	S 17
S 18	10 14 52	5°30'36	5♊ 3	23°48	21°13	3°40	5° 1	10° 0	7°40	6°32	15°50	12°R31	14° 0	15° 6	12°R44	S 18
M19	10 18 49	6°30'33	19°15	25°33	22° 5	4°22	5°15	10° 7	7°44	6°33	15°50	12°31	13°57	15°12	12°43	M19
T 20	10 22 45	7°30'28	3♋31	27°19	22°57	5° 4	5°30	10°13	7°47	6°34	15°50	12°28	13°53	15°19	12°43	T 20
W21	10 26 42	8°30'20	17°49	29° 6	23°47	5°47	5°44	10°20	7°51	6°36	15°50	12°25	13°50	15°26	12°43	W21
T 22	10 30 39	9°30'10	2♌ 4	0♓55	24°37	6°29	5°59	10°27	7°54	6°37	15°D50	12°20	13°47	15°33	12°42	T 22
F 23	10 34 35	10°29'58	16°12	2°44	25°26	7°11	6°13	10°33	7°57	6°38	15°50	12°15	13°44	15°39	12°42	F 23
S 24	10 38 32	11°29'43	0♍ 9	4°35	26°14	7°54	6°28	10°40	8° 1	6°39	15°50	12°10	13°41	15°46	12°41	S 24
S 25	10 42 28	12°29'27	13°51	6°27	27° 2	8°36	6°42	10°46	8° 4	6°41	15°50	12° 6	13°38	15°53	12°41	S 25
M26	10 46 25	13°29'08	27°14	8°20	27°48	9°18	6°57	10°53	8° 8	6°42	15°50	12° 4	13°34	15°59	12°40	M26
T 27	10 50 21	14°28'48	10♎18	10°14	28°34	10° 1	7°11	10°59	8°11	6°43	15°50	12°D 3	13°31	16° 6	12°39	T 27
W28	10 54 18	15°28'25	23° 2	12° 9	29°18	10°43	7°25	11° 6	8°15	6°44	15°50	12° 4	13°28	16°13	12°38	W28
T 29	10 58 14	16♓28'01	5♏29	14♓ 6	0♉ 1	11♑25	7♓40	11♒12	8♓18	6♑45	15♊50	12♈ 5	13♈25	16♐20	12♏36	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s22	11s54	1s16	22s 5	1s13	3n 8	1n16	23s26	0s 9	12s 8	1s 0	19s 8	0s48	9s46	0s44	22s34	0n51	16n 9	6s42	5n20	5n54	26s50	14s57	0n44
F 2	15 3	17 1	2 17	21 54	1 19	3 38	1 22	23 30	0 10	12 3	1 0	19 6	0 49	9 45	0 44	22 34	0 51	16 9	6 41	5 20	5 52	26 51	14 57	0 44
S 3	14 44	21 24	3 11	21 41	1 25	4 8	1 28	23 33	0 11	11 57	1 0	19 4	0 49	9 44	0 44	22 34	0 51	16 9	6 41	5 20	5 51	26 53	14 58	0 45
S 4	14 25	24 52	3 57	21 27	1 31	4 38	1 35	23 36	0 12	11 52	1 0	19 2	0 49	9 43	0 44	22 34	0 51	16 9	6 41	5 20	5 50	26 54	14 58	0 45
M 5	14 5	27 16	4 32	21 12	1 36	5 7	1 41	23 39	0 13	11 47	1 0	19 0	0 49	9 41	0 44	22 34	0 51	16 9	6 41	5 19	5 49	26 55	14 58	0 45
T 6	13 45	28 27	4 55	20 55	1 41	5 37	1 47	23 41	0 14	11 42	1 0	18 59	0 49	9 40	0 44	22 34	0 51	16 9	6 41	5 17	5 48	26 57	14 58	0 46
W 7	13 25	28 18	5 6	20 37	1 45	6 6	1 54	23 44	0 14	11 37	1 0	18 57	0 49	9 39	0 44	22 34	0 51	16 9	6 41	5 14	5 46	26 58	14 58	0 46
T 8	13 5	26 47	5 3	20 17	1 49	6 35	2 0	23 46	0 15	11 32	1 0	18 55	0 49	9 38	0 44	22 33	0 51	16 10	6 40	5 11	5 45	26 59	14 58	0 47
F 9	12 45	23 57	4 46	19 56	1 53	7 4	2 7	23 48	0 16	11 26	1 0	18 53	0 49	9 36	0 44	22 33	0 51	16 10	6 40	5 7	5 44	27 0	14 58	0 47
S 10	12 24	19 57	4 15	19 33	1 56	7 32	2 13	23 49	0 17	11 21	1 0	18 52	0 49	9 35	0 44	22 33	0 51	16 10	6 40	5 4	5 43	27 2	14 58	0 47
S 11	12 3	14 57	3 30	19 9	1 59	8 1	2 20	23 51	0 18	11 16	1 0	18 50	0 49	9 34	0 44	22 33	0 51	16 10	6 40	5 1	5 41	27 3	14 58	0 48
M12	11 42	9 11	2 34	18 44	2 2	8 29	2 26	23 52	0 19	11 11	1 0	18 48	0 49	9 32	0 44	22 33	0 51	16 10	6 40	4 59	5 40	27 4	14 57	0 48
T 13	11 21	2 56	1 28	18 17	2 4	8 57	2 33	23 53	0 20	11 5	1 0	18 46	0 50	9 31	0 44	22 33	0 51	16 10	6 39	4 57	5 39	27 5	14 57	0 48
W14	10 59	3n33	0 16	17 49	2 6	9 24	2 40	23 54	0 21	11 0	1 0	18 45	0 50	9 30	0 44	22 33	0 51	16 11	6 39	4 57	5 38	27 7	14 57	0 49
T 15	10 38	9 57	0n58	17 19	2 7	9 52	2 47	23 55	0 22	10 55	1 0	18 43	0 50	9 29	0 44	22 33	0 51	16 11	6 39	4 57	5 36	27 8	14 57	0 49
F 16	10 16	15 57	2 9	16 48	2 8	10 19	2 53	23 55	0 23	10 50	1 0	18 41	0 50	9 27	0 44	22 33	0 51	16 11	6 39	4 57	5 35	27 9	14 56	0 50
S 17	9 54	21 12	3 14	16 15	2 9	10 45	3 0	23 55	0 24	10 44	1 0	18 39	0 50	9 26	0 44	22 33	0 51	16 11	6 39	4 58	5 34	27 10	14 56	0 50
S 18	9 32	25 18	4 7	15 41	2 9	11 12	3 7	23 55	0 25	10 39	1 0	18 38	0 50	9 25	0 44	22 33	0 51	16 11	6 38	4 58	5 33	27 11	14 56	0 50
M19	9 10	27 52	4 46	15 5	2 9	11 38	3 14	23 55	0 26	10 34	1 0	18 36	0 50	9 23	0 44	22 33	0 51	16 12	6 38	4 58	5 31	27 13	14 55	0 51
T 20	8 48	28 37	5 7	14 28	2 8	12 4	3 21	23 54	0 27	10 28	1 0	18 34	0 50	9 22	0 44	22 32	0 51	16 12	6 38	4 57	5 30	27 14	14 55	0 51
W21	8 25	27 28	5 10	13 49	2 7	12 29	3 27	23 53	0 28	10 23	1 0	18 32	0 50	9 21	0 44	22 32	0 51	16 12	6 38	4 56	5 29	27 15	14 54	0 52
T 22	8 3	24 33	4 53	13 9	2 5	12 54	3 34	23 53	0 29	10 18	1 0	18 31	0 50	9 20	0 44	22 32	0 51	16 12	6 38	4 54	5 28	27 16	14 54	0 52
F 23	7 40	20 10	4 19	12 27	2 3	13 19	3 41	23 51	0 30	10 12	1 0	18 29	0 51	9 18	0 44	22 32	0 51	16 12	6 37	4 52	5 27	27 17	14 53	0 52
S 24	7 17	14 43	3 29	11 44	2 0	13 43	3 48	23 50	0 31	10 7	1 0	18 27	0 51	9 17	0 44	22 32	0 51	16 12	6 37	4 50	5 25	27 18	14 53	0 53
S 25	6 54	8 39	2 28	11 0	1 57	14 7	3 55	23 48	0 32	10 2	1 0	18 26	0 51	9 16	0 44	22 32	0 51	16 13	6 37	4 48	5 24	27 20	14 52	0 53
M26	6 31	2 20	1 20	10 14	1 53	14 30	4 2	23 47	0 33	9 56	1 1	18 24	0 51	9 14	0 44	22 32	0 51	16 13	6 37	4 48	5 23	27 21	14 52	0 53
T 27	6 8	3s57	0 10	9 27	1 49	14 53	4 9	23 45	0 34	9 51	1 1	18 22	0 51	9 13	0 44	22 32	0 51	16 13	6 37	4 47	5 22	27 22	14 51	0 54
W28	5 45	9 55	1s 0	8 38	1 44	15 15	4 16	23 42	0 35	9 46	1 1	18 21	0 51	9 12	0 44	22 32	0 51	16 13	6 36	4 47	5 20	27 23	14 50	0 54
T 29	5s22	15s22	2s 5	7s48	1s39	15n37	4n22	23s40	0s37	9s40	1s 1	18s19	0s51	9s11	0s44	22s32	0n51	16n14	6s36	4n48	5n19	27s24	14s50	0n55

Julian Day Number = 2147700.5, Delta T = 14m33s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'28, Lahiri = 12°15'28 Julian Calendar 1 Feb. 1168 == Greg. Calendar 8 Feb. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

MARCH 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 2 11	17♓27'35	17♏40	16♓ 3	0♉44	12♑ 8	7♓54	11♒18	8♓21	6♑46	15♊51	12♈ 7	13♈22	16♐26	12°R35	F 1
S 2	11 6 7	18°27'07	29°41	18° 2	1°25	12°50	8° 9	11°25	8°25	6°47	15°51	12° 8	13°18	16°33	12♏34	S 2
S 3	11 10 4	19°26'37	11♐35	20° 1	2° 5	13°33	8°23	11°31	8°28	6°48	15°51	12° 9	13°15	16°40	12°32	S 3
M 4	11 14 1	20°26'05	23°27	22° 2	2°44	14°15	8°37	11°37	8°32	6°49	15°51	12°R10	13°12	16°46	12°31	M 4
T 5	11 17 57	21°25'32	5♑22	24° 3	3°22	14°58	8°52	11°43	8°35	6°50	15°51	12° 9	13° 9	16°53	12°29	T 5
W 6	11 21 54	22°24'57	17°24	26° 4	3°58	15°40	9° 6	11°49	8°38	6°51	15°52	12° 7	13° 6	17° 0	12°27	W 6
T 7	11 25 50	23°24'20	29°39	28° 6	4°34	16°22	9°20	11°55	8°42	6°52	15°52	12° 5	13° 3	17° 6	12°25	T 7
F 8	11 29 47	24°23'41	12♒ 8	0♈ 9	5° 7	17° 5	9°35	12° 1	8°45	6°53	15°52	12° 2	12°59	17°13	12°23	F 8
S 9	11 33 43	25°23'00	24°55	2°11	5°40	17°47	9°49	12° 7	8°48	6°53	15°53	12° 0	12°56	17°20	12°21	S 9
S 10	11 37 40	26°22'17	8♓ 2	4°13	6°11	18°30	10° 3	12°13	8°52	6°54	15°53	11°57	12°53	17°27	12°19	S 10
M11	11 41 36	27°21'32	21°26	6°15	6°40	19°12	10°17	12°19	8°55	6°55	15°54	11°56	12°50	17°33	12°17	M11
T 12	11 45 33	28°20'45	5♈ 8	8°15	7° 8	19°55	10°31	12°25	8°58	6°56	15°54	11°D55	12°47	17°40	12°14	T 12
W13	11 49 30	29°19'56	19° 5	10°15	7°34	20°37	10°45	12°31	9° 2	6°56	15°54	11°55	12°43	17°47	12°12	W13
T 14	11 53 26	0♈19'05	3♉12	12°12	7°58	21°20	11° 0	12°36	9° 5	6°57	15°55	11°56	12°40	17°53	12° 9	T 14
F 15	11 57 23	1°18'12	17°27	14° 8	8°21	22° 2	11°14	12°42	9° 8	6°58	15°55	11°57	12°37	18° 0	12° 7	F 15
S 16	12 1 19	2°17'16	1♊45	16° 2	8°41	22°45	11°28	12°47	9°11	6°58	15°56	11°57	12°34	18° 7	12° 4	S 16
S 17	12 5 16	3°16'18	16° 4	17°53	9° 0	23°27	11°42	12°53	9°15	6°59	15°56	11°58	12°31	18°14	12° 1	S 17
M18	12 9 12	4°15'18	0♋18	19°40	9°17	24°10	11°56	12°58	9°18	6°59	15°57	11°R58	12°28	18°20	11°58	M18
T 19	12 13 9	5°14'15	14°28	21°25	9°32	24°52	12°10	13° 4	9°21	7° 0	15°57	11°58	12°24	18°27	11°55	T 19
W20	12 17 5	6°13'10	28°29	23° 5	9°45	25°35	12°23	13° 9	9°24	7° 0	15°58	11°58	12°21	18°34	11°52	W20
T 21	12 21 2	7°12'02	12♌21	24°42	9°55	26°17	12°37	13°14	9°27	7° 1	15°59	11°57	12°18	18°40	11°49	T 21
F 22	12 24 59	8°10'52	26° 2	26°14	10° 4	27° 0	12°51	13°19	9°30	7° 1	15°59	11°57	12°15	18°47	11°46	F 22
S 23	12 28 55	9° 9'40	9♍31	27°41	10°10	27°42	13° 5	13°24	9°34	7° 1	16° 0	11°57	12°12	18°54	11°43	S 23
S 24	12 32 52	10° 8'26	22°46	29° 3	10°14	28°25	13°19	13°29	9°37	7° 2	16° 1	11°56	12° 9	19° 1	11°39	S 24
M25	12 36 48	11° 7'09	5♎47	0♉21	10°R15	29° 7	13°32	13°34	9°40	7° 2	16° 1	11°56	12° 5	19° 7	11°36	M25
T 26	12 40 45	12° 5'51	18°34	1°33	10°14	29°50	13°46	13°39	9°43	7° 2	16° 2	11°56	12° 2	19°14	11°32	T 26
W27	12 44 41	13° 4'30	1♏ 7	2°40	10°11	0♒32	13°59	13°44	9°46	7° 2	16° 3	11°56	11°59	19°21	11°29	W27
T 28	12 48 38	14° 3'08	13°27	3°41	10° 5	1°15	14°13	13°49	9°49	7° 2	16° 3	11°56	11°56	19°27	11°25	T 28
F 29	12 52 34	15° 1'44	25°35	4°37	9°56	1°57	14°26	13°54	9°52	7° 3	16° 4	11°56	11°53	19°34	11°21	F 29
S 30	12 56 31	16° 0'18	7♐35	5°27	9°45	2°40	14°40	13°58	9°55	7° 3	16° 5	11°55	11°49	19°41	11°18	S 30
S 31	13 0 28	16♈58'50	19♐29	6♉11	9♉32	3♒22	14♓53	14♒ 3	9♓58	7♑ 3	16♊ 6	11♈55	11♈46	19♐48	11♏14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s59	20s 7	3s 3	6s57	1s33	15n59	4n29	23s37	0s38	9s35	1s 1	18s17	0s51	9s 9	0s44	22s32	0n51	16n14	6s36	4n49	5n18	27s25	14s49	0n55
S 2	4 35	23 57	3 52	6 5	1 27	16 20	4 36	23 34	0 39	9 30	1 1	18 16	0 51	9 8	0 44	22 32	0 51	16 14	6 36	4 49	5 17	27 26	14 48	0 55
S 3	4 12	26 45	4 31	5 11	1 20	16 40	4 43	23 31	0 40	9 24	1 1	18 14	0 52	9 7	0 44	22 32	0 51	16 14	6 36	4 50	5 15	27 27	14 47	0 56
M 4	3 48	28 21	4 58	4 17	1 12	17 0	4 49	23 28	0 41	9 19	1 1	18 12	0 52	9 5	0 44	22 32	0 51	16 14	6 35	4 50	5 14	27 29	14 46	0 56
T 5	3 25	28 39	5 13	3 21	1 4	17 19	4 56	23 24	0 42	9 14	1 1	18 11	0 52	9 4	0 44	22 31	0 51	16 15	6 35	4 49	5 13	27 30	14 45	0 57
W 6	3 1	27 35	5 13	2 25	0 55	17 38	5 2	23 20	0 43	9 8	1 1	18 9	0 52	9 3	0 44	22 31	0 51	16 15	6 35	4 49	5 12	27 31	14 45	0 57
T 7	2 38	25 12	5 0	1 28	0 46	17 56	5 9	23 16	0 44	9 3	1 1	18 8	0 52	9 2	0 44	22 31	0 51	16 15	6 35	4 48	5 10	27 32	14 44	0 57
F 8	2 14	21 35	4 33	0 30	0 37	18 14	5 15	23 12	0 45	8 58	1 1	18 6	0 52	9 0	0 44	22 31	0 51	16 15	6 35	4 47	5 9	27 33	14 43	0 58
S 9	1 51	16 54	3 51	0n28	0 27	18 31	5 22	23 8	0 47	8 52	1 1	18 5	0 52	8 59	0 44	22 31	0 51	16 16	6 34	4 46	5 8	27 34	14 42	0 58
S 10	1 27	11 19	2 56	1 26	0 16	18 47	5 28	23 3	0 48	8 47	1 2	18 3	0 52	8 58	0 44	22 31	0 51	16 16	6 34	4 45	5 7	27 35	14 41	0 58
M11	1 3	5 6	1 51	2 25	0 5	19 3	5 34	22 58	0 49	8 42	1 2	18 1	0 53	8 57	0 44	22 31	0 51	16 16	6 34	4 44	5 5	27 36	14 40	0 59
T 12	0 40	1n29	0 37	3 23	0n 6	19 18	5 40	22 53	0 50	8 36	1 2	18 0	0 53	8 55	0 44	22 31	0 51	16 16	6 34	4 44	5 4	27 37	14 38	0 59
W13	0 16	8 7	0n40	4 20	0 17	19 32	5 45	22 48	0 51	8 31	1 2	17 58	0 53	8 54	0 44	22 31	0 51	16 16	6 34	4 44	5 3	27 38	14 37	1 0
T 14	0n 8	14 26	1 55	5 18	0 29	19 45	5 51	22 43	0 52	8 26	1 2	17 57	0 53	8 53	0 44	22 31	0 51	16 17	6 33	4 44	5 2	27 39	14 36	1 0
F 15	0 31	20 4	3 4	6 14	0 41	19 58	5 57	22 37	0 54	8 21	1 2	17 56	0 53	8 52	0 44	22 31	0 51	16 17	6 33	4 45	5 0	27 40	14 35	1 0
S 16	0 55	24 33	4 2	7 9	0 53	20 10	6 2	22 31	0 55	8 15	1 2	17 54	0 53	8 51	0 44	22 31	0 51	16 17	6 33	4 45	4 59	27 41	14 34	1 1
S 17	1 18	27 32	4 45	8 2	1 4	20 21	6 7	22 25	0 56	8 10	1 2	17 53	0 53	8 49	0 44	22 31	0 51	16 17	6 33	4 45	4 58	27 42	14 33	1 1
M18	1 42	28 43	5 10	8 54	1 16	20 31	6 12	22 19	0 57	8 5	1 2	17 51	0 54	8 48	0 44	22 31	0 51	16 18	6 33	4 45	4 57	27 43	14 31	1 1
T 19	2 5	28 0	5 16	9 44	1 27	20 40	6 16	22 13	0 58	8 0	1 2	17 50	0 54	8 47	0 44	22 31	0 51	16 18	6 32	4 45	4 55	27 44	14 30	1 2
W20	2 29	25 31	5 4	10 32	1 38	20 48	6 21	22 6	1 0	7 54	1 3	17 48	0 54	8 46	0 44	22 31	0 51	16 18	6 32	4 45	4 54	27 45	14 29	1 2
T 21	2 52	21 32	4 33	11 18	1 49	20 55	6 25	21 59	1 1	7 49	1 3	17 47	0 54	8 45	0 44	22 31	0 51	16 18	6 32	4 45	4 53	27 46	14 27	1 3
F 22	3 16	16 28	3 48	12 1	1 59	21 2	6 28	21 52	1 2	7 44	1 3	17 46	0 54	8 43	0 44	22 31	0 51	16 19	6 32	4 45	4 52	27 47	14 26	1 3
S 23	3 39	10 40	2 50	12 42	2 9	21 7	6 32	21 45	1 3	7 39	1 3	17 44	0 54	8 42	0 44	22 31	0 51	16 19	6 32	4 45	4 50	27 48	14 25	1 3
S 24	4 2	4 29	1 44	13 20	2 18	21 11	6 35	21 38	1 5	7 33	1 3	17 43	0 54	8 41	0 44	22 31	0 51	16 19	6 32	4 44	4 49	27 49	14 23	1 4
M25	4 25	1s47	0 34	13 55	2 26	21 14	6 37	21 30	1 6	7 28	1 3	17 42	0 55	8 40	0 44	22 30	0 51	16 19	6 31	4 44	4 48	27 49	14 22	1 4
T 26	4 48	7 52	0s37	14 28	2 34	21 16	6 39	21 22	1 7	7 23	1 3	17 41	0 55	8 39	0 44	22 30	0 51	16 20	6 31	4 44	4 47	27 50	14 21	1 4
W27	5 11	13 33	1 44	14 57	2 40	21 16	6 41	21 14	1 8	7 18	1 3	17 39	0 55	8 38	0 44	22 30	0 51	16 20	6 31	4 44	4 46	27 51	14 19	1 5
T 28	5 34	18 35	2 46	15 24	2 46	21 15	6 42	21 6	1 10	7 13	1 3	17 38	0 55	8 37	0 44	22 30	0 51	16 20	6 31	4 44	4 44	27 52	14 18	1 5
F 29	5 57	22 47	3 39	15 48	2 51	21 13	6 43	20 58	1 11	7 8	1 4	17 37	0 55	8 36	0 44	22 30	0 51	16 20	6 31	4 44	4 43	27 53	14 16	1 6
S 30	6 19	25 59	4 22	16 8	2 55	21 10	6 43	20 50	1 12	7 3	1 4	17 36	0 55	8 34	0 44	22 30	0 51	16 21	6 30	4 44	4 42	27 54	14 15	1 6
S 31	6n42	28s 0	4s53	16n26	2n57	21n 5	6n43	20s41	1s13	6s58	1s 4	17s34	0s55	8s33	0s44	22s30	0n51	16n21	6s30	4n44	4n41	27s55	14s13	1n 6

Julian Day Number = 2147729.5, Delta T = 14m33s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'32, Lahiri = 12°15'32 Julian Calendar 1 March 1168 == Greg. Calendar 8 March 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

APRIL 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 4 24	17♈57'21	1♉22	6♉49	9°R16	4♒ 4	15♓ 7	14♒ 7	10♓ 0	7♉ 3	16♊ 7	11°R54	11♈43	19♐54	11°R10	M 1
T 2	13 8 21	18°55'49	13°17	7°21	8♉58	4°47	15°20	14°12	10° 3	7°R 3	16° 7	11♈54	11°40	20° 1	11♏ 6	T 2
W 3	13 12 17	19°54'17	25°18	7°47	8°38	5°29	15°33	14°16	10° 6	7° 3	16° 8	11°D54	11°37	20° 8	11° 2	W 3
T 4	13 16 14	20°52'42	7♒32	8° 8	8°15	6°12	15°46	14°20	10° 9	7° 3	16° 9	11°54	11°34	20°14	10°58	T 4
F 5	13 20 10	21°51'06	20° 1	8°22	7°50	6°54	15°59	14°24	10°12	7° 3	16°10	11°55	11°30	20°21	10°54	F 5
S 6	13 24 7	22°49'28	2♓50	8°31	7°24	7°37	16°12	14°28	10°15	7° 3	16°11	11°56	11°27	20°28	10°50	S 6
S 7	13 28 3	23°47'49	16° 2	8°R34	6°55	8°19	16°25	14°32	10°17	7° 2	16°12	11°57	11°24	20°35	10°46	S 7
M 8	13 32 0	24°46'08	29°37	8°32	6°24	9° 1	16°38	14°36	10°20	7° 2	16°13	11°58	11°21	20°41	10°41	M 8
T 9	13 35 56	25°44'25	13♈34	8°24	5°52	9°44	16°51	14°40	10°23	7° 2	16°14	11°R58	11°18	20°48	10°37	T 9
W10	13 39 53	26°42'40	27°53	8°11	5°18	10°26	17° 4	14°44	10°25	7° 2	16°15	11°58	11°15	20°55	10°33	W10
T 11	13 43 50	27°40'54	12♉26	7°54	4°43	11° 8	17°17	14°48	10°28	7° 1	16°16	11°56	11°11	21° 1	10°29	T 11
F 12	13 47 46	28°39'06	27° 9	7°32	4° 7	11°50	17°29	14°51	10°30	7° 1	16°17	11°54	11° 8	21° 8	10°24	F 12
S 13	13 51 43	29°37'16	11♊54	7° 6	3°30	12°33	17°42	14°55	10°33	7° 1	16°18	11°52	11° 5	21°15	10°20	S 13
S 14	13 55 39	0♉35'24	26°34	6°37	2°53	13°15	17°54	14°58	10°35	7° 0	16°19	11°50	11° 2	21°22	10°15	S 14
M15	13 59 36	1°33'30	11♋ 3	6° 5	2°15	13°57	18° 7	15° 1	10°38	7° 0	16°20	11°48	10°59	21°28	10°11	M15
T 16	14 3 32	2°31'34	25°18	5°30	1°37	14°39	18°19	15° 5	10°40	7° 0	16°21	11°47	10°55	21°35	10° 7	T 16
W17	14 7 29	3°29'36	9♌15	4°55	1° 0	15°21	18°31	15° 8	10°43	6°59	16°22	11°D47	10°52	21°42	10° 2	W17
T 18	14 11 26	4°27'36	22°55	4°18	0°22	16° 3	18°43	15°11	10°45	6°59	16°23	11°48	10°49	21°48	9°58	T 18
F 19	14 15 22	5°25'35	6♍18	3°41	29♈46	16°46	18°56	15°14	10°47	6°58	16°24	11°49	10°46	21°55	9°53	F 19
S 20	14 19 19	6°23'31	19°25	3° 4	29°10	17°28	19° 8	15°17	10°50	6°58	16°26	11°51	10°43	22° 2	9°49	S 20
S 21	14 23 15	7°21'25	2♎17	2°28	28°35	18°10	19°20	15°20	10°52	6°57	16°27	11°52	10°40	22° 9	9°44	S 21
M22	14 27 12	8°19'18	14°57	1°54	28° 1	18°52	19°31	15°22	10°54	6°56	16°28	11°R52	10°36	22°15	9°40	M22
T 23	14 31 8	9°17'08	27°25	1°22	27°29	19°34	19°43	15°25	10°56	6°56	16°29	11°51	10°33	22°22	9°35	T 23
W24	14 35 5	10°14'58	9♏44	0°52	26°59	20°15	19°55	15°27	10°58	6°55	16°30	11°49	10°30	22°29	9°31	W24
T 25	14 39 1	11°12'46	21°53	0°26	26°31	20°57	20° 7	15°30	11° 1	6°54	16°31	11°45	10°27	22°35	9°26	T 25
F 26	14 42 58	12°10'32	3♐55	0° 3	26° 4	21°39	20°18	15°32	11° 3	6°54	16°33	11°41	10°24	22°42	9°22	F 26
S 27	14 46 54	13° 8'17	15°52	29♈44	25°40	22°21	20°30	15°35	11° 5	6°53	16°34	11°35	10°20	22°49	9°17	S 27
S 28	14 50 51	14° 6'01	27°45	29°29	25°17	23° 3	20°41	15°37	11° 7	6°52	16°35	11°30	10°17	22°56	9°13	S 28
M29	14 54 48	15° 3'44	9♑37	29°19	24°58	23°44	20°52	15°39	11° 9	6°51	16°36	11°25	10°14	23° 2	9° 8	M29
T 30	14 58 44	16♉ 1'25	21♑32	29♈12	24♈40	24♒26	21♓ 3	15♒41	11♓10	6♑50	16♊38	11♈21	10♈11	23♐ 9	9♏ 4	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n 5	28s44	5s11	16n40	2n59	20n59	6n42	20s32	1s15	6s53	1s 4	17s33	0s56	8s32	0s45	22s30	0n51	16n21	6s30	4n44	4n39	27s56	14s12	1n 7
T 2	7 27	28 8	5 17	16 51	2 59	20 52	6 40	20 23	1 16	6 48	1 4	17 32	0 56	8 31	0 45	22 30	0 51	16 21	6 30	4 44	4 38	27 57	14 10	1 7
W 3	7 49	26 13	5 8	16 59	2 59	20 43	6 38	20 14	1 17	6 42	1 4	17 31	0 56	8 30	0 45	22 30	0 51	16 22	6 30	4 44	4 37	27 57	14 8	1 7
T 4	8 11	23 4	4 46	17 4	2 57	20 32	6 35	20 5	1 19	6 37	1 4	17 30	0 56	8 29	0 45	22 30	0 52	16 22	6 30	4 44	4 36	27 58	14 7	1 8
F 5	8 33	18 49	4 9	17 6	2 53	20 21	6 31	19 55	1 20	6 33	1 5	17 29	0 56	8 28	0 45	22 30	0 52	16 22	6 29	4 44	4 34	27 59	14 5	1 8
S 6	8 55	13 37	3 20	17 4	2 49	20 8	6 27	19 46	1 21	6 28	1 5	17 28	0 56	8 27	0 45	22 30	0 52	16 22	6 29	4 44	4 33	28 0	14 4	1 8
S 7	9 17	7 40	2 19	17 0	2 43	19 53	6 22	19 36	1 23	6 23	1 5	17 27	0 57	8 26	0 45	22 30	0 52	16 23	6 29	4 45	4 32	28 1	14 2	1 9
M 8	9 38	1 12	1 8	16 52	2 36	19 37	6 16	19 26	1 24	6 18	1 5	17 26	0 57	8 25	0 45	22 30	0 52	16 23	6 29	4 45	4 31	28 1	14 0	1 9
T 9	10 0	5n31	0n 9	16 42	2 27	19 20	6 9	19 16	1 25	6 13	1 5	17 25	0 57	8 24	0 45	22 30	0 52	16 23	6 29	4 45	4 29	28 2	13 59	1 9
W10	10 21	12 7	1 27	16 28	2 18	19 2	6 2	19 6	1 27	6 8	1 5	17 24	0 57	8 23	0 45	22 30	0 52	16 24	6 29	4 45	4 28	28 3	13 57	1 10
T 11	10 42	18 11	2 40	16 12	2 7	18 42	5 54	18 55	1 28	6 3	1 5	17 23	0 57	8 22	0 45	22 30	0 52	16 24	6 28	4 44	4 27	28 4	13 55	1 10
F 12	11 3	23 15	3 44	15 53	1 54	18 21	5 45	18 45	1 29	5 58	1 6	17 22	0 57	8 21	0 45	22 30	0 52	16 24	6 28	4 44	4 26	28 5	13 54	1 10
S 13	11 23	26 50	4 33	15 32	1 41	18 0	5 36	18 34	1 31	5 54	1 6	17 21	0 57	8 20	0 45	22 30	0 52	16 24	6 28	4 43	4 24	28 5	13 52	1 11
S 14	11 44	28 34	5 4	15 9	1 27	17 37	5 26	18 23	1 32	5 49	1 6	17 20	0 58	8 19	0 45	22 30	0 52	16 25	6 28	4 42	4 23	28 6	13 50	1 11
M15	12 4	28 19	5 15	14 44	1 12	17 14	5 15	18 12	1 33	5 44	1 6	17 19	0 58	8 18	0 45	22 30	0 52	16 25	6 28	4 41	4 22	28 7	13 49	1 11
T 16	12 24	26 11	5 6	14 18	0 56	16 50	5 4	18 1	1 35	5 39	1 6	17 19	0 58	8 17	0 45	22 30	0 52	16 25	6 28	4 41	4 21	28 8	13 47	1 12
W17	12 44	22 31	4 40	13 50	0 40	16 25	4 52	17 50	1 36	5 35	1 6	17 18	0 58	8 17	0 45	22 30	0 52	16 25	6 28	4 41	4 19	28 8	13 45	1 12
T 18	13 4	17 41	3 58	13 22	0 23	16 0	4 39	17 39	1 37	5 30	1 7	17 17	0 58	8 16	0 45	22 30	0 52	16 26	6 27	4 41	4 18	28 9	13 44	1 12
F 19	13 23	12 5	3 3	12 53	0 5	15 35	4 26	17 27	1 39	5 25	1 7	17 16	0 58	8 15	0 45	22 30	0 52	16 26	6 27	4 42	4 17	28 10	13 42	1 13
S 20	13 43	6 3	2 0	12 24	0s12	15 10	4 13	17 16	1 40	5 21	1 7	17 16	0 59	8 14	0 45	22 30	0 52	16 26	6 27	4 42	4 16	28 11	13 40	1 13
S 21	14 2	0s 7	0 52	11 56	0 29	14 45	4 0	17 4	1 42	5 16	1 7	17 15	0 59	8 13	0 45	22 30	0 52	16 26	6 27	4 43	4 14	28 11	13 38	1 13
M22	14 21	6 10	0s17	11 28	0 46	14 20	3 46	16 52	1 43	5 12	1 7	17 14	0 59	8 12	0 45	22 30	0 52	16 27	6 27	4 43	4 13	28 12	13 37	1 14
T 23	14 39	11 55	1 24	11 1	1 3	13 55	3 32	16 40	1 44	5 7	1 7	17 14	0 59	8 12	0 45	22 30	0 52	16 27	6 27	4 43	4 12	28 13	13 35	1 14
W24	14 58	17 7	2 27	10 36	1 19	13 31	3 17	16 28	1 46	5 3	1 8	17 13	0 59	8 11	0 45	22 30	0 52	16 27	6 27	4 42	4 11	28 13	13 33	1 14
T 25	15 16	21 34	3 21	10 12	1 35	13 7	3 3	16 16	1 47	4 58	1 8	17 13	1 0	8 10	0 45	22 30	0 52	16 27	6 26	4 40	4 9	28 14	13 31	1 15
F 26	15 34	25 4	4 7	9 50	1 50	12 44	2 49	16 4	1 49	4 54	1 8	17 12	1 0	8 9	0 45	22 30	0 52	16 28	6 26	4 38	4 8	28 15	13 30	1 15
S 27	15 51	27 27	4 41	9 30	2 4	12 22	2 34	15 51	1 50	4 50	1 8	17 12	1 0	8 8	0 45	22 30	0 52	16 28	6 26	4 36	4 7	28 15	13 28	1 15
S 28	16 9	28 34	5 2	9 13	2 17	12 0	2 20	15 39	1 51	4 45	1 8	17 11	1 0	8 8	0 45	22 30	0 52	16 28	6 26	4 34	4 6	28 16	13 26	1 15
M29	16 26	28 22	5 11	8 58	2 29	11 40	2 6	15 26	1 53	4 41	1 9	17 11	1 0	8 7	0 45	22 30	0 52	16 28	6 26	4 32	4 4	28 17	13 25	1 16
T 30	16n43	26s51	5s 6	8n45	2s40	11n20	1n52	15s14	1s54	4s37	1s 9	17s10	1s 0	8s 6	0s45	22s30	0n52	16n29	6s26	4n30	4n 3	28s17	13s23	1n16

Julian Day Number = 2147760.5, Delta T = 14m33s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'36, Lahiri = 12°15'37 Julian Calendar 1 Apr. 1168 == Greg. Calendar 8 Apr. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

MAY 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 2 41	16♉59'06	3♒32	29°D11	24°R25	25♒ 8	21♓14	15♒43	11♓12	6°R49	16♊39	11°R18	10♈ 8	23♐16	8°R59	W 1
T 2	15 6 37	17°56'45	15°44	29♈14	24♈12	25°49	21°25	15°44	11°14	6♑49	16°40	11°D17	10° 5	23°22	8♏55	T 2
F 3	15 10 34	18°54'23	28°10	29°21	24° 2	26°31	21°36	15°46	11°16	6°48	16°41	11♈17	10° 1	23°29	8°51	F 3
S 4	15 14 30	19°52'00	10♓55	29°33	23°54	27°12	21°47	15°48	11°18	6°47	16°43	11°19	9°58	23°36	8°46	S 4
S 5	15 18 27	20°49'36	24° 4	29°49	23°48	27°54	21°58	15°49	11°19	6°46	16°44	11°20	9°55	23°43	8°42	S 5
M 6	15 22 24	21°47'11	7♈40	0♉10	23°45	28°35	22° 8	15°51	11°21	6°45	16°45	11°R21	9°52	23°49	8°38	M 6
T 7	15 26 20	22°44'46	21°42	0°35	23°D44	29°16	22°19	15°52	11°23	6°44	16°47	11°21	9°49	23°56	8°33	T 7
W 8	15 30 17	23°42'19	6♉11	1° 4	23°46	29°57	22°29	15°53	11°24	6°43	16°48	11°19	9°46	24° 3	8°29	W 8
T 9	15 34 13	24°39'51	21° 0	1°38	23°50	0♓39	22°39	15°54	11°26	6°42	16°49	11°14	9°42	24° 9	8°25	T 9
F 10	15 38 10	25°37'22	6♊ 4	2°15	23°56	1°20	22°49	15°55	11°27	6°40	16°51	11° 9	9°39	24°16	8°21	F 10
S 11	15 42 6	26°34'52	21°11	2°57	24° 4	2° 1	22°59	15°56	11°29	6°39	16°52	11° 2	9°36	24°23	8°17	S 11
S 12	15 46 3	27°32'21	6♋14	3°42	24°15	2°42	23° 9	15°57	11°30	6°38	16°53	10°56	9°33	24°30	8°13	S 12
M13	15 49 59	28°29'49	21° 2	4°31	24°27	3°22	23°19	15°58	11°31	6°37	16°55	10°50	9°30	24°36	8° 9	M13
T 14	15 53 56	29°27'15	5♌29	5°23	24°42	4° 3	23°29	15°58	11°33	6°36	16°56	10°46	9°26	24°43	8° 5	T 14
W15	15 57 53	0♊24'40	19°32	6°19	24°58	4°44	23°38	15°59	11°34	6°35	16°57	10°43	9°23	24°50	8° 1	W15
T 16	16 1 49	1°22'04	3♍11	7°19	25°17	5°24	23°48	15°59	11°35	6°33	16°59	10°D43	9°20	24°57	7°57	T 16
F 17	16 5 46	2°19'26	16°26	8°22	25°37	6° 5	23°57	16° 0	11°36	6°32	17° 0	10°43	9°17	25° 3	7°53	F 17
S 18	16 9 42	3°16'48	29°21	9°28	25°59	6°45	24° 6	16° 0	11°37	6°31	17° 2	10°44	9°14	25°10	7°49	S 18
S 19	16 13 39	4°14'08	11♎59	10°37	26°22	7°26	24°15	16° 0	11°38	6°30	17° 3	10°R45	9°11	25°17	7°45	S 19
M20	16 17 35	5°11'27	24°24	11°49	26°47	8° 6	24°24	16°R 0	11°39	6°28	17° 4	10°44	9° 7	25°23	7°42	M20
T 21	16 21 32	6° 8'45	6♏38	13° 5	27°14	8°46	24°33	16° 0	11°40	6°27	17° 6	10°41	9° 4	25°30	7°38	T 21
W22	16 25 28	7° 6'02	18°44	14°24	27°43	9°26	24°42	16° 0	11°41	6°26	17° 7	10°35	9° 1	25°37	7°35	W22
T 23	16 29 25	8° 3'19	0♐44	15°45	28°13	10° 6	24°50	16° 0	11°42	6°24	17° 9	10°27	8°58	25°44	7°31	T 23
F 24	16 33 22	9° 0'35	12°40	17°10	28°44	10°46	24°59	15°59	11°43	6°23	17°10	10°18	8°55	25°50	7°28	F 24
S 25	16 37 18	9°57'50	24°33	18°38	29°17	11°26	25° 7	15°59	11°44	6°21	17°12	10° 7	8°52	25°57	7°25	S 25
S 26	16 41 15	10°55'05	6♑26	20° 8	29°51	12° 6	25°15	15°58	11°45	6°20	17°13	9°55	8°48	26° 4	7°21	S 26
M27	16 45 11	11°52'19	18°19	21°42	0♉26	12°45	25°23	15°58	11°45	6°19	17°14	9°45	8°45	26°10	7°18	M27
T 28	16 49 8	12°49'33	0♒15	23°19	1° 2	13°25	25°31	15°57	11°46	6°17	17°16	9°36	8°42	26°17	7°15	T 28
W29	16 53 4	13°46'46	12°17	24°58	1°40	14° 4	25°39	15°56	11°46	6°16	17°17	9°29	8°39	26°24	7°12	W29
T 30	16 57 1	14°43'59	24°28	26°40	2°19	14°43	25°47	15°55	11°47	6°14	17°19	9°25	8°36	26°31	7° 9	T 30
F 31	17 0 57	15♊41'12	6♓52	28♉25	2♉59	15♓22	25♓54	15♒54	11♓47	6♑13	17♊20	9♈23	8♈32	26♐37	7♏ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n59	24s 7	4s48	8n35	2s50	11n 2	1n38	15s 1	1s56	4s33	1s 9	17s10	1s 1	8s 6	0s45	22s30	0n52	16n29	6s26	4n29	4n 2	28s18	13s21	1n16
T 2	17 15	20 17	4 17	8 27	2 59	10 44	1 25	14 48	1 57	4 28	1 9	17 9	1 1	8 5	0 45	22 31	0 52	16 29	6 26	4 29	4 1	28 18	13 20	1 17
F 3	17 31	15 30	3 33	8 22	3 7	10 28	1 11	14 35	1 58	4 24	1 9	17 9	1 1	8 4	0 45	22 31	0 52	16 29	6 25	4 29	3 59	28 19	13 18	1 17
S 4	17 47	9 56	2 38	8 20	3 15	10 13	0 58	14 22	2 0	4 20	1 10	17 9	1 1	8 4	0 45	22 31	0 52	16 29	6 25	4 30	3 58	28 20	13 16	1 17
S 5	18 3	3 47	1 32	8 20	3 21	9 59	0 46	14 9	2 1	4 16	1 10	17 9	1 1	8 3	0 45	22 31	0 52	16 30	6 25	4 30	3 57	28 20	13 15	1 17
M 6	18 18	2n45	0 20	8 22	3 26	9 46	0 33	13 56	2 3	4 12	1 10	17 8	1 1	8 3	0 46	22 31	0 52	16 30	6 25	4 31	3 56	28 21	13 13	1 18
T 7	18 33	9 22	0n56	8 27	3 30	9 35	0 21	13 43	2 4	4 8	1 10	17 8	1 2	8 2	0 46	22 31	0 52	16 30	6 25	4 30	3 54	28 21	13 11	1 18
W 8	18 47	15 41	2 10	8 35	3 33	9 25	0 9	13 30	2 6	4 4	1 10	17 8	1 2	8 1	0 46	22 31	0 52	16 30	6 25	4 30	3 53	28 22	13 10	1 18
T 9	19 1	21 16	3 18	8 44	3 35	9 16	0s 2	13 16	2 7	4 0	1 11	17 8	1 2	8 1	0 46	22 31	0 52	16 31	6 25	4 28	3 52	28 22	13 8	1 18
F 10	19 15	25 33	4 12	8 56	3 36	9 8	0 13	13 3	2 8	3 57	1 11	17 8	1 2	8 0	0 46	22 31	0 52	16 31	6 25	4 26	3 50	28 23	13 7	1 19
S 11	19 29	28 4	4 50	9 9	3 37	9 1	0 24	12 50	2 10	3 53	1 11	17 7	1 2	8 0	0 46	22 31	0 52	16 31	6 25	4 23	3 49	28 23	13 5	1 19
S 12	19 42	28 30	5 7	9 25	3 36	8 55	0 34	12 36	2 11	3 49	1 11	17 7	1 3	7 59	0 46	22 31	0 52	16 31	6 24	4 21	3 48	28 24	13 4	1 19
M13	19 55	26 53	5 3	9 43	3 35	8 50	0 44	12 23	2 13	3 45	1 12	17 7	1 3	7 59	0 46	22 31	0 52	16 32	6 24	4 18	3 47	28 24	13 2	1 19
T 14	20 8	23 30	4 40	10 2	3 33	8 47	0 54	12 9	2 14	3 42	1 12	17 7	1 3	7 58	0 46	22 31	0 52	16 32	6 24	4 17	3 45	28 25	13 0	1 20
W15	20 20	18 50	4 0	10 23	3 30	8 44	1 3	11 55	2 16	3 38	1 12	17 7	1 3	7 58	0 46	22 31	0 52	16 32	6 24	4 16	3 44	28 26	12 59	1 20
T 16	20 32	13 18	3 8	10 46	3 26	8 43	1 12	11 42	2 17	3 35	1 12	17 7	1 3	7 57	0 46	22 31	0 52	16 32	6 24	4 16	3 43	28 26	12 58	1 20
F 17	20 43	7 20	2 7	11 10	3 22	8 42	1 20	11 28	2 19	3 31	1 12	17 7	1 3	7 57	0 46	22 31	0 52	16 32	6 24	4 16	3 42	28 26	12 56	1 20
S 18	20 55	1 11	1 1	11 36	3 17	8 42	1 28	11 14	2 20	3 28	1 13	17 8	1 4	7 57	0 46	22 31	0 52	16 33	6 24	4 16	3 40	28 27	12 55	1 21
S 19	21 5	4s52	0s 7	12 3	3 12	8 44	1 36	11 0	2 21	3 24	1 13	17 8	1 4	7 56	0 46	22 31	0 52	16 33	6 24	4 16	3 39	28 27	12 53	1 21
M20	21 16	10 37	1 13	12 31	3 5	8 46	1 44	10 47	2 23	3 21	1 13	17 8	1 4	7 56	0 46	22 31	0 52	16 33	6 24	4 16	3 38	28 28	12 52	1 21
T 21	21 26	15 54	2 14	13 0	2 59	8 49	1 51	10 33	2 24	3 18	1 13	17 8	1 4	7 56	0 46	22 31	0 52	16 33	6 24	4 15	3 37	28 28	12 50	1 21
W22	21 36	20 30	3 9	13 30	2 51	8 53	1 58	10 19	2 26	3 15	1 14	17 8	1 4	7 55	0 46	22 32	0 52	16 33	6 24	4 13	3 35	28 29	12 49	1 22
T 23	21 45	24 13	3 54	14 2	2 43	8 57	2 4	10 5	2 27	3 11	1 14	17 9	1 5	7 55	0 46	22 32	0 52	16 34	6 24	4 10	3 34	28 29	12 48	1 22
F 24	21 54	26 52	4 29	14 34	2 35	9 2	2 10	9 51	2 29	3 8	1 14	17 9	1 5	7 55	0 46	22 32	0 52	16 34	6 23	4 6	3 33	28 30	12 46	1 22
S 25	22 3	28 18	4 52	15 6	2 26	9 9	2 16	9 37	2 30	3 5	1 14	17 9	1 5	7 54	0 46	22 32	0 52	16 34	6 23	4 1	3 32	28 30	12 45	1 22
S 26	22 11	28 26	5 3	15 40	2 17	9 15	2 22	9 23	2 32	3 2	1 15	17 9	1 5	7 54	0 46	22 32	0 52	16 34	6 23	3 57	3 30	28 30	12 44	1 22
M27	22 19	27 14	5 0	16 14	2 7	9 23	2 27	9 9	2 33	2 59	1 15	17 10	1 5	7 54	0 46	22 32	0 52	16 34	6 23	3 53	3 29	28 31	12 43	1 23
T 28	22 26	24 49	4 44	16 48	1 57	9 31	2 32	8 55	2 34	2 56	1 15	17 10	1 5	7 54	0 46	22 32	0 52	16 35	6 23	3 49	3 28	28 31	12 42	1 23
W29	22 34	21 17	4 15	17 22	1 46	9 39	2 37	8 41	2 36	2 53	1 15	17 11	1 6	7 54	0 46	22 32	0 52	16 35	6 23	3 47	3 27	28 32	12 40	1 23
T 30	22 40	16 48	3 35	17 57	1 36	9 48	2 41	8 28	2 37	2 51	1 16	17 11	1 6	7 53	0 46	22 32	0 52	16 35	6 23	3 45	3 25	28 32	12 39	1 23
F 31	22n47	11s34	2s44	18n31	1s25	9n58	2s46	8s14	2s39	2s48	1s16	17s12	1s 6	7s53	0s46	22s32	0n52	16n35	6s23	3n44	3n24	28s32	12s38	1n23

Julian Day Number = 2147790.5, Delta T = 14m32s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'40, Lahiri = 12°15'41 Julian Calendar 1 May 1168 == Greg. Calendar 8 May 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

JUNE 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 54	16♊38'24	19♓34	0♊13	3♉40	16♓ 1	26♓ 1	15°R53	11♓48	6°R11	17♊22	9°D23	8♈29	26♐44	7°R 4	S 1
S 2	17 8 51	17°35'37	2♈37	2° 4	4°22	16°40	26° 8	15♒52	11°48	6♑10	17°23	9°R23	8°26	26°51	7♏ 1	S 2
M 3	17 12 47	18°32'49	16° 7	3°57	5° 5	17°19	26°15	15°50	11°49	6° 8	17°24	9♈23	8°23	26°57	6°58	M 3
T 4	17 16 44	19°30'01	0♉ 5	5°52	5°49	17°57	26°22	15°49	11°49	6° 7	17°26	9°22	8°20	27° 4	6°56	T 4
W 5	17 20 40	20°27'14	14°31	7°50	6°33	18°36	26°29	15°47	11°49	6° 5	17°27	9°18	8°17	27°11	6°53	W 5
T 6	17 24 37	21°24'26	29°22	9°51	7°19	19°14	26°36	15°46	11°49	6° 4	17°29	9°12	8°13	27°18	6°51	T 6
F 7	17 28 33	22°21'38	14♊31	11°53	8° 5	19°52	26°42	15°44	11°50	6° 2	17°30	9° 3	8°10	27°24	6°49	F 7
S 8	17 32 30	23°18'50	29°50	13°58	8°53	20°30	26°48	15°42	11°50	6° 1	17°32	8°53	8° 7	27°31	6°46	S 8
S 9	17 36 27	24°16'02	15♋ 5	16° 4	9°41	21° 8	26°54	15°41	11°50	5°59	17°33	8°43	8° 4	27°38	6°44	S 9
M10	17 40 23	25°13'14	0♌ 8	18°11	10°29	21°45	27° 0	15°39	11°R50	5°57	17°35	8°34	8° 1	27°45	6°42	M10
T 11	17 44 20	26°10'25	14°48	20°20	11°19	22°23	27° 6	15°37	11°50	5°56	17°36	8°27	7°58	27°51	6°41	T 11
W12	17 48 16	27° 7'36	29° 1	22°29	12° 9	23° 0	27°12	15°34	11°50	5°54	17°37	8°22	7°54	27°58	6°39	W12
T 13	17 52 13	28° 4'46	12♍45	24°39	13° 0	23°37	27°17	15°32	11°49	5°53	17°39	8°19	7°51	28° 5	6°37	T 13
F 14	17 56 9	29° 1'56	26° 2	26°50	13°51	24°14	27°22	15°30	11°49	5°51	17°40	8°D19	7°48	28°11	6°35	F 14
S 15	18 0 6	29°59'06	8♎54	29° 0	14°43	24°51	27°27	15°27	11°49	5°49	17°42	8°R19	7°45	28°18	6°34	S 15
S 16	18 4 2	0♋56'15	21°27	1♋10	15°36	25°28	27°32	15°25	11°49	5°48	17°43	8°18	7°42	28°25	6°33	S 16
M17	18 7 59	1°53'25	3♏44	3°20	16°29	26° 4	27°37	15°22	11°48	5°46	17°44	8°16	7°38	28°32	6°31	M17
T 18	18 11 56	2°50'34	15°50	5°29	17°22	26°40	27°42	15°20	11°48	5°45	17°46	8°12	7°35	28°38	6°30	T 18
W19	18 15 52	3°47'43	27°49	7°37	18°17	27°16	27°46	15°17	11°48	5°43	17°47	8° 5	7°32	28°45	6°29	W19
T 20	18 19 49	4°44'53	9♐43	9°44	19°11	27°52	27°50	15°14	11°47	5°41	17°49	7°55	7°29	28°52	6°28	T 20
F 21	18 23 45	5°42'02	21°36	11°49	20° 7	28°27	27°54	15°11	11°47	5°40	17°50	7°43	7°26	28°59	6°27	F 21
S 22	18 27 42	6°39'12	3♑28	13°54	21° 2	29° 3	27°58	15° 8	11°46	5°38	17°51	7°29	7°23	29° 5	6°26	S 22
S 23	18 31 38	7°36'22	15°22	15°56	21°59	29°38	28° 2	15° 5	11°45	5°36	17°53	7°16	7°19	29°12	6°25	S 23
M24	18 35 35	8°33'32	27°19	17°57	22°55	0♈13	28° 5	15° 2	11°45	5°35	17°54	7° 3	7°16	29°19	6°25	M24
T 25	18 39 31	9°30'43	9♒20	19°57	23°52	0°47	28° 9	14°59	11°44	5°33	17°56	6°51	7°13	29°25	6°24	T 25
W26	18 43 28	10°27'54	21°27	21°54	24°50	1°22	28°12	14°56	11°43	5°32	17°57	6°43	7°10	29°32	6°24	W26
T 27	18 47 25	11°25'06	3♓43	23°50	25°48	1°56	28°15	14°53	11°43	5°30	17°58	6°37	7° 7	29°39	6°24	T 27
F 28	18 51 21	12°22'18	16°11	25°44	26°46	2°30	28°17	14°49	11°42	5°28	18° 0	6°34	7° 4	29°46	6°23	F 28
S 29	18 55 18	13°19'31	28°54	27°37	27°45	3° 3	28°20	14°46	11°41	5°27	18° 1	6°32	7° 0	29°52	6°D23	S 29
S 30	18 59 14	14♋16'45	11♈55	29♋27	28♉44	3♈37	28♓22	14♒42	11♓40	5♑25	18♊ 2	6♈32	6♈57	29♐59	6♏23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	5s44	1s43	19n 6	1s13	10n 8	2s49	8s 0	2s40	2s45	1s16	17s12	1s 6	7s53	0s47	22s32	0n52	16n35	6s23	3n44	3n23	28s33	12s37	1n24
S 2	22 58	0n30	0 36	19 39	1 2	10 19	2 53	7 46	2 42	2 43	1 16	17 13	1 6	7 53	0 47	22 32	0 52	16 36	6 23	3 44	3 22	28 33	12 36	1 24
M 3	23 3	6 55	0n36	20 12	0 51	10 30	2 57	7 32	2 43	2 40	1 17	17 13	1 7	7 53	0 47	22 32	0 52	16 36	6 23	3 44	3 20	28 33	12 35	1 24
T 4	23 8	13 14	1 47	20 45	0 39	10 42	3 0	7 18	2 44	2 38	1 17	17 14	1 7	7 53	0 47	22 32	0 52	16 36	6 23	3 44	3 19	28 34	12 34	1 24
W 5	23 12	19 3	2 55	21 16	0 28	10 54	3 3	7 4	2 46	2 35	1 17	17 14	1 7	7 53	0 47	22 32	0 52	16 36	6 23	3 42	3 18	28 34	12 33	1 24
T 6	23 16	23 53	3 52	21 46	0 16	11 6	3 5	6 50	2 47	2 33	1 18	17 15	1 7	7 53	0 47	22 33	0 52	16 36	6 23	3 40	3 17	28 34	12 32	1 24
F 7	23 20	27 11	4 34	22 14	0 5	11 18	3 8	6 37	2 49	2 30	1 18	17 16	1 7	7 53	0 47	22 33	0 52	16 36	6 23	3 36	3 15	28 35	12 31	1 25
S 8	23 23	28 30	4 57	22 41	0n 6	11 31	3 10	6 23	2 50	2 28	1 18	17 16	1 7	7 53	0 47	22 33	0 52	16 37	6 23	3 32	3 14	28 35	12 30	1 25
S 9	23 25	27 39	4 59	23 6	0 17	11 44	3 12	6 9	2 51	2 26	1 18	17 17	1 8	7 53	0 47	22 33	0 52	16 37	6 23	3 28	3 13	28 35	12 29	1 25
M10	23 28	24 47	4 40	23 29	0 28	11 58	3 14	5 56	2 53	2 24	1 19	17 18	1 8	7 53	0 47	22 33	0 52	16 37	6 23	3 25	3 12	28 36	12 29	1 25
T 11	23 30	20 21	4 3	23 49	0 38	12 11	3 16	5 42	2 54	2 22	1 19	17 19	1 8	7 53	0 47	22 33	0 52	16 37	6 23	3 22	3 10	28 36	12 28	1 25
W12	23 31	14 52	3 12	24 7	0 47	12 25	3 17	5 29	2 56	2 20	1 19	17 20	1 8	7 53	0 47	22 33	0 52	16 37	6 23	3 20	3 9	28 36	12 27	1 25
T 13	23 32	8 49	2 11	24 23	0 56	12 39	3 18	5 15	2 57	2 18	1 20	17 20	1 8	7 53	0 47	22 33	0 52	16 37	6 23	3 19	3 8	28 36	12 26	1 26
F 14	23 33	2 34	1 5	24 35	1 5	12 54	3 20	5 2	2 58	2 16	1 20	17 21	1 9	7 53	0 47	22 33	0 52	16 38	6 23	3 19	3 7	28 37	12 26	1 26
S 15	23 33	3s36	0s 3	24 45	1 12	13 8	3 21	4 48	3 0	2 14	1 20	17 22	1 9	7 53	0 47	22 33	0 52	16 38	6 23	3 19	3 5	28 37	12 25	1 26
S 16	23 33	9 28	1 9	24 52	1 19	13 22	3 21	4 35	3 1	2 13	1 20	17 23	1 9	7 53	0 47	22 33	0 52	16 38	6 23	3 19	3 4	28 37	12 24	1 26
M17	23 32	14 51	2 10	24 56	1 26	13 37	3 22	4 22	3 3	2 11	1 21	17 24	1 9	7 53	0 47	22 33	0 52	16 38	6 23	3 18	3 3	28 37	12 24	1 26
T 18	23 31	19 35	3 4	24 58	1 32	13 52	3 22	4 9	3 4	2 10	1 21	17 25	1 9	7 54	0 47	22 33	0 52	16 38	6 22	3 16	3 1	28 38	12 23	1 26
W19	23 30	23 29	3 50	24 56	1 37	14 6	3 22	3 55	3 5	2 8	1 21	17 26	1 9	7 54	0 47	22 34	0 52	16 38	6 22	3 13	3 0	28 38	12 23	1 27
T 20	23 28	26 22	4 24	24 52	1 41	14 21	3 22	3 42	3 7	2 7	1 22	17 27	1 10	7 54	0 47	22 34	0 52	16 38	6 22	3 9	2 59	28 38	12 22	1 27
F 21	23 26	28 4	4 48	24 45	1 44	14 36	3 22	3 29	3 8	2 5	1 22	17 28	1 10	7 54	0 47	22 34	0 52	16 38	6 22	3 4	2 58	28 38	12 22	1 27
S 22	23 23	28 29	4 59	24 36	1 47	14 51	3 22	3 17	3 9	2 4	1 22	17 29	1 10	7 55	0 47	22 34	0 52	16 39	6 22	2 59	2 56	28 38	12 22	1 27
S 23	23 20	27 34	4 56	24 24	1 49	15 6	3 22	3 4	3 11	2 3	1 23	17 30	1 10	7 55	0 47	22 34	0 52	16 39	6 22	2 54	2 55	28 38	12 21	1 27
M24	23 16	25 23	4 41	24 10	1 50	15 21	3 21	2 51	3 12	2 2	1 23	17 31	1 10	7 55	0 47	22 34	0 52	16 39	6 22	2 48	2 54	28 39	12 21	1 27
T 25	23 12	22 4	4 13	23 53	1 51	15 35	3 21	2 38	3 13	2 1	1 23	17 32	1 10	7 55	0 47	22 34	0 52	16 39	6 22	2 44	2 53	28 39	12 21	1 27
W26	23 8	17 47	3 34	23 35	1 51	15 50	3 20	2 26	3 15	2 0	1 23	17 33	1 10	7 56	0 47	22 34	0 52	16 39	6 22	2 41	2 51	28 39	12 20	1 27
T 27	23 3	12 44	2 44	23 15	1 50	16 5	3 19	2 13	3 16	1 59	1 24	17 34	1 11	7 56	0 47	22 34	0 52	16 39	6 22	2 38	2 50	28 39	12 20	1 28
F 28	22 58	7 6	1 45	22 53	1 49	16 19	3 18	2 1	3 17	1 58	1 24	17 35	1 11	7 56	0 48	22 34	0 52	16 39	6 22	2 37	2 49	28 39	12 20	1 28
S 29	22 53	1 4	0 40	22 29	1 47	16 33	3 17	1 49	3 19	1 57	1 24	17 37	1 11	7 57	0 48	22 34	0 52	16 39	6 22	2 37	2 48	28 39	12 20	1 28
S 30	22n47	5n10	0n28	22n 4	1n45	16n48	3s15	1s37	3s20	1s57	1s25	17s38	1s11	7s57	0s48	22s34	0n52	16n39	6s23	2n36	2n46	28s39	12s20	1n28

Julian Day Number = 2147821.5, Delta T = 14m32s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'44, Lahiri = 12°15'45 Julian Calendar 1 June 1168 == Greg. Calendar 8 June 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

JULY 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 3 11	15♋13'59	25♈19	1♌16	29♉44	4♈10	28♓25	14°R39	11°R39	5°R24	18♊ 4	6°R32	6♈54	0♑ 6	6♏23	M 1
T 2	19 7 7	16°11'15	9♉ 9	3° 3	0♊43	4°43	28°27	14♒35	11♓38	5♑22	18° 5	6♈31	6°51	0°12	6°24	T 2
W 3	19 11 4	17° 8'31	23°25	4°48	1°44	5°15	28°28	14°31	11°37	5°20	18° 6	6°27	6°48	0°19	6°24	W 3
T 4	19 15 0	18° 5'49	8♊ 5	6°32	2°44	5°48	28°30	14°28	11°36	5°19	18° 7	6°21	6°44	0°26	6°24	T 4
F 5	19 18 57	19° 3'07	23° 6	8°13	3°45	6°20	28°31	14°24	11°35	5°17	18° 9	6°12	6°41	0°33	6°25	F 5
S 6	19 22 54	20° 0'26	8♋19	9°53	4°46	6°51	28°33	14°20	11°33	5°16	18°10	6° 2	6°38	0°39	6°26	S 6
S 7	19 26 50	20°57'46	23°33	11°31	5°48	7°22	28°34	14°16	11°32	5°14	18°11	5°52	6°35	0°46	6°26	S 7
M 8	19 30 47	21°55'07	8♌37	13° 7	6°49	7°53	28°35	14°12	11°31	5°13	18°12	5°42	6°32	0°53	6°27	M 8
T 9	19 34 43	22°52'28	23°22	14°42	7°51	8°24	28°35	14° 8	11°30	5°11	18°14	5°35	6°29	1° 0	6°28	T 9
W10	19 38 40	23°49'50	7♍41	16°15	8°54	8°54	28°36	14° 4	11°28	5°10	18°15	5°30	6°25	1° 6	6°29	W10
T 11	19 42 36	24°47'13	21°32	17°45	9°56	9°24	28°36	14° 0	11°27	5° 8	18°16	5°27	6°22	1°13	6°30	T 11
F 12	19 46 33	25°44'36	4♎53	19°15	10°59	9°54	28°R36	13°56	11°25	5° 7	18°17	5°D26	6°19	1°20	6°31	F 12
S 13	19 50 29	26°42'00	17°49	20°42	12° 2	10°23	28°36	13°52	11°24	5° 5	18°18	5°27	6°16	1°26	6°33	S 13
S 14	19 54 26	27°39'24	0♏23	22° 7	13° 5	10°52	28°35	13°47	11°23	5° 4	18°20	5°R27	6°13	1°33	6°34	S 14
M15	19 58 23	28°36'49	12°39	23°31	14° 9	11°20	28°35	13°43	11°21	5° 2	18°21	5°26	6°10	1°40	6°36	M15
T 16	20 2 19	29°34'15	24°43	24°52	15°13	11°48	28°34	13°39	11°19	5° 1	18°22	5°23	6° 6	1°47	6°38	T 16
W17	20 6 16	0♌31'42	6♐40	26°12	16°17	12°16	28°33	13°35	11°18	4°59	18°23	5°18	6° 3	1°53	6°39	W17
T 18	20 10 12	1°29'09	18°32	27°30	17°21	12°43	28°32	13°30	11°16	4°58	18°24	5°10	6° 0	2° 0	6°41	T 18
F 19	20 14 9	2°26'38	0♑24	28°46	18°26	13°10	28°31	13°26	11°14	4°56	18°25	5° 0	5°57	2° 7	6°43	F 19
S 20	20 18 5	3°24'07	12°18	29°59	19°30	13°37	28°29	13°21	11°13	4°55	18°26	4°49	5°54	2°14	6°45	S 20
S 21	20 22 2	4°21'38	24°16	1♍11	20°35	14° 2	28°27	13°17	11°11	4°54	18°27	4°38	5°50	2°20	6°47	S 21
M22	20 25 59	5°19'10	6♒20	2°20	21°40	14°28	28°26	13°13	11° 9	4°52	18°28	4°27	5°47	2°27	6°50	M22
T 23	20 29 55	6°16'42	18°31	3°27	22°46	14°53	28°23	13° 8	11° 7	4°51	18°29	4°18	5°44	2°34	6°52	T 23
W24	20 33 52	7°14'16	0♓49	4°31	23°51	15°18	28°21	13° 4	11° 6	4°50	18°30	4°11	5°41	2°40	6°55	W24
T 25	20 37 48	8°11'52	13°17	5°33	24°57	15°42	28°19	12°59	11° 4	4°48	18°31	4° 6	5°38	2°47	6°57	T 25
F 26	20 41 45	9° 9'29	25°56	6°32	26° 3	16° 5	28°16	12°55	11° 2	4°47	18°32	4° 4	5°35	2°54	7° 0	F 26
S 27	20 45 41	10° 7'07	8♈48	7°29	27° 9	16°28	28°13	12°50	11° 0	4°46	18°33	4°D 4	5°31	3° 1	7° 3	S 27
S 28	20 49 38	11° 4'47	21°55	8°23	28°15	16°51	28°10	12°46	10°58	4°45	18°34	4° 5	5°28	3° 7	7° 5	S 28
M29	20 53 34	12° 2'28	5♉20	9°13	29°22	17°13	28° 7	12°41	10°56	4°43	18°35	4° 6	5°25	3°14	7° 8	M29
T 30	20 57 31	13° 0'11	19° 5	10° 1	0♋29	17°35	28° 3	12°37	10°54	4°42	18°36	4°R 6	5°22	3°21	7°11	T 30
W31	21 1 27	13♌57'56	3♊10	10♍44	1♋35	17♈56	28♓ 0	12♒32	10♓52	4♑41	18♊37	4♈ 4	5♈19	3♑27	7♏15	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n41	11n21	1n38	21n37	1n42	17n 2	3s14	1s25	3s21	1s56	1s25	17s39	1s11	7s58	0s48	22s34	0n52	16n40	6s23	2n36	2n45	28s40	12s20	1n28
T 2	22 34	17 11	2 43	21 9	1 38	17 16	3 12	1 13	3 22	1 55	1 25	17 40	1 11	7 58	0 48	22 35	0 52	16 40	6 23	2 36	2 44	28 40	12 20	1 28
W 3	22 27	22 16	3 41	20 40	1 34	17 29	3 11	1 1	3 24	1 55	1 26	17 41	1 12	7 58	0 48	22 35	0 52	16 40	6 23	2 34	2 43	28 40	12 19	1 28
T 4	22 19	26 7	4 26	20 10	1 29	17 43	3 9	0 49	3 25	1 55	1 26	17 43	1 12	7 59	0 48	22 35	0 52	16 40	6 23	2 32	2 41	28 40	12 20	1 28
F 5	22 11	28 15	4 53	19 39	1 24	17 56	3 7	0 38	3 26	1 54	1 26	17 44	1 12	7 59	0 48	22 35	0 52	16 40	6 23	2 29	2 40	28 40	12 20	1 29
S 6	22 3	28 17	5 1	19 7	1 19	18 9	3 5	0 26	3 27	1 54	1 26	17 45	1 12	8 0	0 48	22 35	0 52	16 40	6 23	2 25	2 39	28 40	12 20	1 29
S 7	21 54	26 12	4 47	18 34	1 13	18 22	3 3	0 15	3 29	1 54	1 27	17 46	1 12	8 0	0 48	22 35	0 52	16 40	6 23	2 20	2 38	28 40	12 20	1 29
M 8	21 45	22 16	4 13	18 1	1 6	18 35	3 1	0 4	3 30	1 54	1 27	17 48	1 12	8 1	0 48	22 35	0 52	16 40	6 23	2 17	2 36	28 40	12 20	1 29
T 9	21 36	16 59	3 23	17 27	0 59	18 47	2 58	0n 7	3 31	1 54	1 27	17 49	1 12	8 1	0 48	22 35	0 52	16 40	6 23	2 14	2 35	28 40	12 20	1 29
W10	21 26	10 55	2 22	16 52	0 52	18 59	2 56	0 18	3 32	1 54	1 28	17 50	1 12	8 2	0 48	22 35	0 52	16 40	6 23	2 12	2 34	28 40	12 20	1 29
T 11	21 16	4 30	1 13	16 17	0 45	19 11	2 54	0 28	3 34	1 54	1 28	17 52	1 13	8 2	0 48	22 35	0 52	16 40	6 23	2 11	2 32	28 40	12 21	1 29
F 12	21 6	1s54	0 3	15 42	0 37	19 22	2 51	0 39	3 35	1 55	1 28	17 53	1 13	8 3	0 48	22 35	0 52	16 40	6 23	2 10	2 31	28 40	12 21	1 29
S 13	20 55	8 2	1s 5	15 7	0 29	19 33	2 48	0 49	3 36	1 55	1 29	17 54	1 13	8 4	0 48	22 35	0 52	16 41	6 23	2 10	2 30	28 40	12 21	1 29
S 14	20 44	13 40	2 8	14 31	0 20	19 44	2 46	1 0	3 37	1 55	1 29	17 56	1 13	8 4	0 48	22 36	0 52	16 41	6 23	2 10	2 29	28 40	12 22	1 30
M15	20 32	18 38	3 4	13 56	0 12	19 54	2 43	1 10	3 38	1 56	1 29	17 57	1 13	8 5	0 48	22 36	0 52	16 41	6 23	2 10	2 27	28 40	12 22	1 30
T 16	20 20	22 46	3 51	13 20	0 3	20 4	2 40	1 20	3 39	1 56	1 30	17 58	1 13	8 5	0 48	22 36	0 52	16 41	6 23	2 9	2 26	28 40	12 23	1 30
W17	20 8	25 54	4 26	12 44	0s 7	20 14	2 37	1 29	3 40	1 57	1 30	18 0	1 13	8 6	0 48	22 36	0 52	16 41	6 23	2 7	2 25	28 40	12 23	1 30
T 18	19 55	27 52	4 50	12 9	0 16	20 23	2 34	1 39	3 41	1 58	1 30	18 1	1 13	8 7	0 48	22 36	0 52	16 41	6 23	2 4	2 24	28 40	12 24	1 30
F 19	19 42	28 35	5 2	11 33	0 26	20 32	2 31	1 48	3 43	1 59	1 30	18 2	1 14	8 7	0 48	22 36	0 52	16 41	6 23	2 0	2 22	28 40	12 24	1 30
S 20	19 29	27 58	5 0	10 58	0 36	20 40	2 28	1 58	3 44	1 59	1 31	18 4	1 14	8 8	0 48	22 36	0 52	16 41	6 23	1 55	2 21	28 40	12 25	1 30
S 21	19 15	26 3	4 46	10 24	0 46	20 48	2 25	2 7	3 45	2 0	1 31	18 5	1 14	8 9	0 48	22 36	0 51	16 41	6 23	1 51	2 20	28 40	12 25	1 30
M22	19 2	22 56	4 18	9 49	0 56	20 56	2 22	2 16	3 46	2 1	1 31	18 7	1 14	8 10	0 48	22 36	0 51	16 41	6 23	1 47	2 19	28 40	12 26	1 30
T 23	18 47	18 48	3 38	9 15	1 7	21 3	2 19	2 24	3 47	2 3	1 32	18 8	1 14	8 10	0 48	22 36	0 51	16 41	6 23	1 43	2 17	28 40	12 27	1 31
W24	18 33	13 51	2 48	8 42	1 17	21 9	2 15	2 33	3 48	2 4	1 32	18 9	1 14	8 11	0 48	22 36	0 51	16 41	6 23	1 40	2 16	28 40	12 27	1 31
T 25	18 18	8 16	1 49	8 10	1 28	21 15	2 12	2 41	3 49	2 5	1 32	18 11	1 14	8 12	0 48	22 36	0 51	16 41	6 23	1 38	2 15	28 39	12 28	1 31
F 26	18 3	2 17	0 44	7 38	1 38	21 21	2 8	2 50	3 50	2 6	1 32	18 12	1 14	8 12	0 48	22 36	0 51	16 41	6 24	1 38	2 14	28 39	12 29	1 31
S 27	17 47	3n53	0n25	7 7	1 49	21 26	2 5	2 58	3 51	2 8	1 33	18 13	1 14	8 13	0 48	22 37	0 51	16 41	6 24	1 37	2 12	28 39	12 30	1 31
S 28	17 32	10 2	1 34	6 37	2 0	21 31	2 1	3 5	3 51	2 9	1 33	18 15	1 14	8 14	0 48	22 37	0 51	16 41	6 24	1 38	2 11	28 39	12 31	1 31
M29	17 16	15 52	2 40	6 8	2 11	21 35	1 58	3 13	3 52	2 11	1 33	18 16	1 14	8 15	0 48	22 37	0 51	16 41	6 24	1 38	2 10	28 39	12 31	1 31
T 30	16 59	21 3	3 38	5 40	2 22	21 39	1 54	3 20	3 53	2 12	1 34	18 18	1 15	8 16	0 48	22 37	0 51	16 41	6 24	1 38	2 8	28 39	12 32	1 31
W31	16n43	25n12	4n24	5n13	2s32	21n42	1s51	3n28	3s54	2s14	1s34	18s19	1s15	8s16	0s48	22s37	0n51	16n41	6s24	1n38	2n 7	28s39	12s33	1n31

Julian Day Number = 2147851.5, Delta T = 14m32s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'49, Lahiri = 12°15'49 Julian Calendar 1 July 1168 == Greg. Calendar 8 July 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

AUGUST 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 24	14♌55'43	17♊36	11♍25	2♋42	18♈16	27°R56	12°R28	10°R50	4°R40	18♊38	4°R 1	5♈16	3♉34	7♏18	T 1
F 2	21 9 21	15°53'32	2♋19	12° 1	3°50	18°36	27♓52	12♒23	10♓48	4♉39	18°39	3♈55	5°12	3°41	7°21	F 2
S 3	21 13 17	16°51'22	17°12	12°34	4°57	18°55	27°48	12°19	10°46	4°38	18°40	3°49	5° 9	3°48	7°25	S 3
S 4	21 17 14	17°49'14	2♌ 9	13° 2	6° 5	19°13	27°43	12°14	10°43	4°37	18°41	3°42	5° 6	3°54	7°28	S 4
M 5	21 21 10	18°47'07	16°59	13°26	7°12	19°31	27°39	12°10	10°41	4°36	18°41	3°35	5° 3	4° 1	7°32	M 5
T 6	21 25 7	19°45'02	1♍36	13°45	8°20	19°49	27°34	12° 5	10°39	4°35	18°42	3°30	5° 0	4° 8	7°35	T 6
W 7	21 29 3	20°42'59	15°52	13°59	9°28	20° 5	27°29	12° 1	10°37	4°34	18°43	3°27	4°56	4°15	7°39	W 7
T 8	21 33 0	21°40'56	29°42	14° 7	10°36	20°21	27°24	11°56	10°35	4°33	18°44	3°D26	4°53	4°21	7°43	T 8
F 9	21 36 57	22°38'56	13♎ 7	14°R10	11°45	20°37	27°19	11°52	10°32	4°32	18°44	3°26	4°50	4°28	7°47	F 9
S 10	21 40 53	23°36'56	26° 6	14° 7	12°53	20°51	27°14	11°47	10°30	4°31	18°45	3°27	4°47	4°35	7°51	S 10
S 11	21 44 50	24°34'58	8♏43	13°59	14° 2	21° 5	27° 8	11°43	10°28	4°30	18°46	3°29	4°44	4°41	7°55	S 11
M12	21 48 46	25°33'02	21° 2	13°44	15°10	21°18	27° 3	11°39	10°26	4°29	18°47	3°R30	4°41	4°48	7°59	M12
T 13	21 52 43	26°31'07	3♐ 8	13°23	16°19	21°31	26°57	11°34	10°23	4°28	18°47	3°29	4°37	4°55	8° 4	T 13
W14	21 56 39	27°29'14	15° 5	12°55	17°28	21°42	26°51	11°30	10°21	4°27	18°48	3°28	4°34	5° 2	8° 8	W14
T 15	22 0 36	28°27'22	26°58	12°22	18°37	21°53	26°45	11°26	10°19	4°26	18°49	3°25	4°31	5° 8	8°13	T 15
F 16	22 4 32	29°25'31	8♑51	11°42	19°46	22° 4	26°38	11°22	10°16	4°26	18°49	3°20	4°28	5°15	8°17	F 16
S 17	22 8 29	0♍23'42	20°48	10°58	20°56	22°13	26°32	11°18	10°14	4°25	18°50	3°15	4°25	5°22	8°22	S 17
S 18	22 12 26	1°21'55	2♒51	10° 8	22° 5	22°22	26°26	11°14	10°12	4°24	18°50	3° 9	4°22	5°29	8°27	S 18
M19	22 16 22	2°20'09	15° 3	9°14	23°15	22°30	26°19	11°10	10° 9	4°24	18°51	3° 4	4°18	5°35	8°31	M19
T 20	22 20 19	3°18'25	27°26	8°16	24°25	22°37	26°12	11° 5	10° 7	4°23	18°51	2°59	4°15	5°42	8°36	T 20
W21	22 24 15	4°16'43	9♓59	7°17	25°35	22°43	26° 5	11° 2	10° 4	4°22	18°52	2°56	4°12	5°49	8°41	W21
T 22	22 28 12	5°15'03	22°45	6°16	26°45	22°48	25°58	10°58	10° 2	4°22	18°52	2°54	4° 9	5°55	8°46	T 22
F 23	22 32 8	6°13'24	5♈43	5°16	27°55	22°53	25°51	10°54	10° 0	4°21	18°53	2°D54	4° 6	6° 2	8°51	F 23
S 24	22 36 5	7°11'48	18°53	4°17	29° 5	22°57	25°44	10°50	9°57	4°21	18°53	2°54	4° 2	6° 9	8°57	S 24
S 25	22 40 1	8°10'14	2♉17	3°22	0♌15	22°59	25°37	10°46	9°55	4°20	18°54	2°56	3°59	6°16	9° 2	S 25
M26	22 43 58	9° 8'42	15°53	2°31	1°26	23° 1	25°30	10°42	9°52	4°20	18°54	2°57	3°56	6°22	9° 7	M26
T 27	22 47 54	10° 7'12	29°43	1°45	2°36	23° 3	25°22	10°39	9°50	4°19	18°54	2°58	3°53	6°29	9°13	T 27
W28	22 51 51	11° 5'45	13♊45	1° 7	3°47	23°R 3	25°15	10°35	9°48	4°19	18°55	2°R59	3°50	6°36	9°18	W28
T 29	22 55 48	12° 4'19	27°59	0°37	4°58	23° 2	25° 7	10°32	9°45	4°18	18°55	2°58	3°47	6°42	9°24	T 29
F 30	22 59 44	13° 2'57	12♋23	0°15	6° 9	23° 1	24°59	10°28	9°43	4°18	18°55	2°56	3°43	6°49	9°29	F 30
S 31	23 3 41	14♍ 1'36	26♋52	0♍ 3	7♌20	22°R58	24♓51	10♒25	9♓40	4♉18	18♊56	2°R54	3°R40	6♉56	9♏35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n26	27n52	4n55	4n48	2s43	21n44	1s47	3n34	3s55	2s16	1s34	18s20	1s15	8s17	0s48	22s37	0n51	16n41	6s24	1n36	2n 6	28s39	12s34	1n31
F 2	16 9	28 39	5 7	4 25	2 54	21 46	1 44	3 41	3 56	2 18	1 34	18 22	1 15	8 18	0 48	22 37	0 51	16 41	6 24	1 34	2 5	28 38	12 35	1 32
S 3	15 51	27 23	4 59	4 3	3 4	21 48	1 40	3 48	3 56	2 20	1 35	18 23	1 15	8 19	0 48	22 37	0 51	16 41	6 24	1 31	2 3	28 38	12 36	1 32
S 4	15 34	24 10	4 31	3 43	3 14	21 49	1 36	3 54	3 57	2 22	1 35	18 24	1 15	8 20	0 49	22 37	0 51	16 41	6 24	1 29	2 2	28 38	12 37	1 32
M 5	15 16	19 22	3 44	3 25	3 24	21 49	1 32	4 0	3 58	2 24	1 35	18 26	1 15	8 20	0 49	22 37	0 51	16 41	6 24	1 26	2 1	28 38	12 38	1 32
T 6	14 58	13 30	2 43	3 9	3 33	21 49	1 29	4 6	3 59	2 26	1 35	18 27	1 15	8 21	0 49	22 37	0 51	16 41	6 24	1 24	2 0	28 38	12 39	1 32
W 7	14 39	7 2	1 34	2 55	3 42	21 48	1 25	4 12	3 59	2 28	1 36	18 28	1 15	8 22	0 49	22 37	0 51	16 41	6 24	1 23	1 58	28 37	12 41	1 32
T 8	14 21	0 26	0 20	2 44	3 50	21 47	1 21	4 17	4 0	2 30	1 36	18 30	1 15	8 23	0 49	22 37	0 51	16 41	6 24	1 22	1 57	28 37	12 42	1 32
F 9	14 2	6s 0	0s52	2 36	3 58	21 45	1 17	4 22	4 0	2 32	1 36	18 31	1 15	8 24	0 49	22 37	0 51	16 41	6 25	1 22	1 56	28 37	12 43	1 32
S 10	13 43	11 59	2 0	2 31	4 5	21 42	1 14	4 27	4 1	2 35	1 36	18 32	1 15	8 25	0 49	22 37	0 51	16 41	6 25	1 23	1 55	28 37	12 44	1 32
S 11	13 23	17 19	3 0	2 28	4 11	21 39	1 10	4 32	4 1	2 37	1 37	18 33	1 15	8 26	0 49	22 38	0 51	16 41	6 25	1 23	1 53	28 36	12 45	1 32
M12	13 4	21 47	3 50	2 29	4 16	21 35	1 6	4 36	4 2	2 40	1 37	18 35	1 15	8 27	0 49	22 38	0 51	16 41	6 25	1 24	1 52	28 36	12 47	1 32
T 13	12 44	25 16	4 29	2 34	4 20	21 31	1 2	4 41	4 2	2 42	1 37	18 36	1 15	8 27	0 49	22 38	0 51	16 41	6 25	1 24	1 51	28 36	12 48	1 33
W14	12 24	27 36	4 55	2 42	4 23	21 26	0 58	4 45	4 3	2 45	1 37	18 37	1 15	8 28	0 49	22 38	0 51	16 41	6 25	1 23	1 49	28 36	12 49	1 33
T 15	12 4	28 40	5 9	2 54	4 24	21 21	0 55	4 48	4 3	2 47	1 37	18 38	1 16	8 29	0 49	22 38	0 51	16 41	6 25	1 22	1 48	28 35	12 51	1 33
F 16	11 44	28 24	5 10	3 9	4 23	21 15	0 51	4 52	4 3	2 50	1 38	18 40	1 16	8 30	0 49	22 38	0 51	16 41	6 25	1 20	1 47	28 35	12 52	1 33
S 17	11 23	26 49	4 57	3 28	4 21	21 8	0 47	4 55	4 4	2 53	1 38	18 41	1 16	8 31	0 49	22 38	0 51	16 41	6 25	1 18	1 46	28 35	12 53	1 33
S 18	11 2	24 0	4 31	3 50	4 17	21 1	0 43	4 58	4 4	2 56	1 38	18 42	1 16	8 32	0 49	22 38	0 51	16 41	6 25	1 15	1 44	28 35	12 55	1 33
M19	10 41	20 5	3 52	4 16	4 11	20 53	0 40	5 1	4 4	2 58	1 38	18 43	1 16	8 33	0 49	22 38	0 51	16 41	6 25	1 13	1 43	28 34	12 56	1 33
T 20	10 20	15 16	3 2	4 45	4 3	20 45	0 36	5 4	4 4	3 1	1 38	18 44	1 16	8 34	0 49	22 38	0 51	16 41	6 25	1 12	1 42	28 34	12 58	1 33
W21	9 59	9 44	2 2	5 16	3 53	20 36	0 32	5 6	4 4	3 4	1 39	18 45	1 16	8 35	0 49	22 38	0 51	16 41	6 26	1 10	1 41	28 34	12 59	1 33
T 22	9 38	3 44	0 55	5 49	3 42	20 26	0 28	5 8	4 4	3 7	1 39	18 46	1 16	8 36	0 49	22 38	0 50	16 41	6 26	1 10	1 39	28 33	13 1	1 34
F 23	9 16	2n31	0n15	6 24	3 28	20 16	0 25	5 10	4 4	3 10	1 39	18 48	1 16	8 36	0 49	22 38	0 50	16 40	6 26	1 9	1 38	28 33	13 2	1 34
S 24	8 54	8 46	1 27	6 59	3 13	20 5	0 21	5 11	4 4	3 13	1 39	18 49	1 16	8 37	0 49	22 38	0 50	16 40	6 26	1 10	1 37	28 33	13 4	1 34
S 25	8 33	14 44	2 34	7 35	2 56	19 54	0 18	5 13	4 4	3 16	1 39	18 50	1 16	8 38	0 49	22 38	0 50	16 40	6 26	1 10	1 36	28 32	13 5	1 34
M26	8 11	20 5	3 35	8 10	2 38	19 42	0 14	5 14	4 3	3 19	1 39	18 51	1 16	8 39	0 49	22 38	0 50	16 40	6 26	1 11	1 34	28 32	13 7	1 34
T 27	7 49	24 28	4 23	8 43	2 20	19 30	0 10	5 14	4 3	3 22	1 39	18 52	1 16	8 40	0 49	22 38	0 50	16 40	6 26	1 11	1 33	28 31	13 9	1 34
W28	7 26	27 28	4 57	9 15	2 0	19 17	0 7	5 15	4 2	3 25	1 40	18 53	1 16	8 41	0 49	22 38	0 50	16 40	6 26	1 11	1 32	28 31	13 10	1 34
T 29	7 4	28 46	5 13	9 44	1 41	19 4	0 3	5 15	4 2	3 28	1 40	18 54	1 16	8 42	0 49	22 39	0 50	16 40	6 26	1 11	1 30	28 31	13 12	1 34
F 30	6 41	28 7	5 10	10 10	1 21	18 49	0n 0	5 15	4 1	3 32	1 40	18 55	1 16	8 43	0 49	22 39	0 50	16 40	6 26	1 10	1 29	28 30	13 14	1 34
S 31	6n19	25n35	4n48	10n33	1s 2	18n35	0n 4	5n15	4s 1	3s35	1s40	18s56	1s16	8s44	0s49	22s39	0n50	16n40	6s27	1n10	1n28	28s30	13s15	1n34

Julian Day Number = 2147882.5, Delta T = 14m32s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'53, Lahiri = 12°15'53 Julian Calendar 1 Aug. 1168 == Greg. Calendar 8 Aug. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

SEPTEMBER 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 37	15♍ 0'17	11♌22	29°D59	8♌31	22°R55	24°R44	10°R22	9°R38	4°R17	18♊56	2°R52	3♈37	7♉ 3	9♏41	S 1
M 2	23 11 34	15°59'01	25°48	0♍ 7	9°42	22♈50	24♓36	10♒18	9♓36	4♉17	18°56	2♈50	3°34	7° 9	9°47	M 2
T 3	23 15 30	16°57'47	10♍ 3	0°24	10°54	22°45	24°28	10°15	9°33	4°17	18°56	2°48	3°31	7°16	9°52	T 3
W 4	23 19 27	17°56'35	24° 2	0°50	12° 5	22°39	24°20	10°12	9°31	4°17	18°57	2°47	3°28	7°23	9°58	W 4
T 5	23 23 23	18°55'24	7♎43	1°25	13°17	22°32	24°12	10° 9	9°29	4°17	18°57	2°D47	3°24	7°30	10° 4	T 5
F 6	23 27 20	19°54'16	21° 2	2°10	14°28	22°25	24° 4	10° 6	9°26	4°17	18°57	2°47	3°21	7°36	10°11	F 6
S 7	23 31 17	20°53'10	4♏ 1	3° 2	15°40	22°16	23°56	10° 3	9°24	4°16	18°57	2°48	3°18	7°43	10°17	S 7
S 8	23 35 13	21°52'05	16°39	4° 3	16°52	22° 6	23°48	10° 0	9°22	4°16	18°57	2°50	3°15	7°50	10°23	S 8
M 9	23 39 10	22°51'02	29° 0	5°10	18° 4	21°56	23°40	9°58	9°19	4°D16	18°57	2°50	3°12	7°56	10°29	M 9
T 10	23 43 6	23°50'02	11♐ 8	6°23	19°16	21°45	23°32	9°55	9°17	4°16	18°57	2°51	3° 8	8° 3	10°35	T 10
W11	23 47 3	24°49'03	23° 6	7°43	20°28	21°33	23°24	9°53	9°15	4°16	18°57	2°R51	3° 5	8°10	10°42	W11
T 12	23 50 59	25°48'05	5♑ 0	9° 7	21°40	21°21	23°16	9°50	9°12	4°17	18°R57	2°51	3° 2	8°17	10°48	T 12
F 13	23 54 56	26°47'10	16°53	10°35	22°52	21° 7	23° 8	9°48	9°10	4°17	18°57	2°51	2°59	8°23	10°55	F 13
S 14	23 58 52	27°46'16	28°51	12° 7	24° 5	20°53	23° 0	9°46	9° 8	4°17	18°57	2°50	2°56	8°30	11° 1	S 14
S 15	0 2 49	28°45'25	10♒58	13°42	25°17	20°38	22°52	9°43	9° 6	4°17	18°57	2°50	2°53	8°37	11° 8	S 15
M16	0 6 46	29°44'35	23°16	15°20	26°30	20°23	22°44	9°41	9° 3	4°17	18°57	2°49	2°49	8°44	11°15	M16
T 17	0 10 42	0♎43'47	5♓49	16°59	27°42	20° 7	22°36	9°39	9° 1	4°17	18°57	2°49	2°46	8°50	11°21	T 17
W18	0 14 39	1°43'01	18°37	18°41	28°55	19°51	22°28	9°37	8°59	4°18	18°57	2°49	2°43	8°57	11°28	W18
T 19	0 18 35	2°42'17	1♈43	20°23	0♍ 8	19°33	22°20	9°35	8°57	4°18	18°57	2°49	2°40	9° 4	11°35	T 19
F 20	0 22 32	3°41'35	15° 4	22° 7	1°20	19°16	22°12	9°34	8°55	4°18	18°57	2°49	2°37	9°10	11°42	F 20
S 21	0 26 28	4°40'55	28°40	23°51	2°33	18°58	22° 5	9°32	8°53	4°19	18°56	2°49	2°33	9°17	11°49	S 21
S 22	0 30 25	5°40'17	12♉30	25°36	3°46	18°39	21°57	9°31	8°51	4°19	18°56	2°48	2°30	9°24	11°56	S 22
M23	0 34 21	6°39'42	26°29	27°21	4°59	18°21	21°50	9°29	8°49	4°20	18°56	2°48	2°27	9°31	12° 3	M23
T 24	0 38 18	7°39'09	10♊35	29° 5	6°12	18° 1	21°42	9°28	8°47	4°20	18°56	2°48	2°24	9°37	12°10	T 24
W25	0 42 15	8°38'38	24°46	0♎50	7°26	17°42	21°35	9°27	8°45	4°21	18°55	2°47	2°21	9°44	12°17	W25
T 26	0 46 11	9°38'10	8♋59	2°35	8°39	17°22	21°28	9°25	8°43	4°21	18°55	2°D47	2°18	9°51	12°24	T 26
F 27	0 50 8	10°37'45	23°11	4°19	9°52	17° 2	21°20	9°24	8°41	4°22	18°55	2°47	2°14	9°57	12°31	F 27
S 28	0 54 4	11°37'21	7♌20	6° 3	11° 6	16°42	21°13	9°23	8°39	4°22	18°54	2°48	2°11	10° 4	12°38	S 28
S 29	0 58 1	12°37'00	21°24	7°47	12°19	16°22	21° 6	9°23	8°37	4°23	18°54	2°49	2° 8	10°11	12°45	S 29
M30	1 1 57	13♎36'41	5♍21	9♎30	13♍33	16♈ 2	20♓59	9♒22	8♓35	4♉24	18♊54	2♈49	2♈ 5	10♉18	12♏53	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n56	21n24	4n 7	10n52	0s43	18n20	0n 7	5n14	4s 0	3s38	1s40	18s56	1s16	8s45	0s49	22s39	0n50	16n40	6s27	1n 9	1n27	28s29	13s17	1n35
M 2	5 33	15 57	3 10	11 6	0 24	18 4	0 10	5 13	3 59	3 41	1 40	18 57	1 16	8 46	0 49	22 39	0 50	16 40	6 27	1 8	1 25	28 29	13 19	1 35
T 3	5 10	9 43	2 2	11 17	0 7	17 48	0 14	5 12	3 58	3 44	1 40	18 58	1 16	8 46	0 49	22 39	0 50	16 40	6 27	1 7	1 24	28 29	13 21	1 35
W 4	4 47	3 7	0 48	11 23	0n10	17 31	0 17	5 11	3 57	3 48	1 40	18 59	1 16	8 47	0 49	22 39	0 50	16 40	6 27	1 7	1 23	28 28	13 22	1 35
T 5	4 24	3s29	0s27	11 25	0 25	17 14	0 20	5 9	3 56	3 51	1 40	19 0	1 16	8 48	0 49	22 39	0 50	16 40	6 27	1 7	1 22	28 28	13 24	1 35
F 6	4 1	9 47	1 39	11 22	0 39	16 56	0 23	5 8	3 55	3 54	1 40	19 1	1 16	8 49	0 49	22 39	0 50	16 39	6 27	1 7	1 20	28 27	13 26	1 35
S 7	3 38	15 29	2 44	11 15	0 52	16 38	0 26	5 6	3 54	3 57	1 40	19 1	1 16	8 50	0 49	22 39	0 50	16 39	6 27	1 7	1 19	28 27	13 28	1 35
S 8	3 14	20 24	3 39	11 4	1 4	16 19	0 29	5 3	3 52	4 0	1 40	19 2	1 16	8 51	0 49	22 39	0 50	16 39	6 27	1 8	1 18	28 26	13 30	1 35
M 9	2 51	24 18	4 23	10 49	1 14	16 0	0 32	5 1	3 51	4 4	1 40	19 3	1 16	8 52	0 49	22 39	0 50	16 39	6 27	1 8	1 17	28 26	13 31	1 36
T 10	2 28	27 4	4 54	10 30	1 24	15 40	0 35	4 58	3 49	4 7	1 40	19 4	1 16	8 53	0 49	22 39	0 50	16 39	6 27	1 8	1 15	28 25	13 33	1 36
W11	2 4	28 34	5 12	10 8	1 31	15 20	0 38	4 55	3 47	4 10	1 40	19 4	1 16	8 53	0 49	22 39	0 50	16 39	6 28	1 8	1 14	28 25	13 35	1 36
T 12	1 41	28 43	5 16	9 42	1 38	15 0	0 41	4 52	3 46	4 13	1 40	19 5	1 16	8 54	0 49	22 39	0 50	16 39	6 28	1 8	1 13	28 24	13 37	1 36
F 13	1 17	27 33	5 7	9 14	1 44	14 39	0 44	4 49	3 44	4 17	1 40	19 6	1 16	8 55	0 49	22 39	0 50	16 39	6 28	1 8	1 11	28 24	13 39	1 36
S 14	0 53	25 7	4 45	8 42	1 48	14 17	0 47	4 46	3 42	4 20	1 40	19 6	1 16	8 56	0 49	22 39	0 50	16 39	6 28	1 8	1 10	28 23	13 41	1 36
S 15	0 30	21 33	4 9	8 9	1 51	13 56	0 49	4 42	3 40	4 23	1 40	19 7	1 16	8 57	0 49	22 39	0 50	16 39	6 28	1 8	1 9	28 23	13 43	1 36
M16	0 6	17 0	3 22	7 33	1 54	13 33	0 52	4 39	3 37	4 26	1 40	19 7	1 16	8 58	0 49	22 39	0 50	16 38	6 28	1 8	1 8	28 22	13 45	1 36
T 17	0s17	11 39	2 24	6 55	1 55	13 11	0 55	4 35	3 35	4 29	1 40	19 8	1 16	8 58	0 49	22 39	0 50	16 38	6 28	1 7	1 6	28 22	13 47	1 37
W18	0 41	5 43	1 18	6 16	1 56	12 48	0 57	4 31	3 33	4 32	1 40	19 8	1 16	8 59	0 48	22 39	0 49	16 38	6 28	1 7	1 5	28 21	13 49	1 37
T 19	1 5	0n35	0 6	5 36	1 55	12 24	0 59	4 27	3 30	4 35	1 40	19 9	1 16	9 0	0 48	22 39	0 49	16 38	6 28	1 7	1 4	28 20	13 51	1 37
F 20	1 28	7 0	1n 7	4 54	1 55	12 1	1 2	4 23	3 27	4 38	1 40	19 9	1 16	9 1	0 48	22 39	0 49	16 38	6 28	1 7	1 3	28 20	13 53	1 37
S 21	1 52	13 12	2 18	4 11	1 53	11 36	1 4	4 18	3 25	4 41	1 40	19 10	1 15	9 2	0 48	22 39	0 49	16 38	6 29	1 7	1 1	28 19	13 54	1 37
S 22	2 16	18 52	3 23	3 27	1 51	11 12	1 6	4 14	3 22	4 44	1 40	19 10	1 15	9 2	0 48	22 39	0 49	16 38	6 29	1 7	1 0	28 19	13 56	1 37
M23	2 39	23 35	4 15	2 43	1 48	10 47	1 8	4 10	3 19	4 47	1 40	19 10	1 15	9 3	0 48	22 39	0 49	16 38	6 29	1 7	0 59	28 18	13 58	1 37
T 24	3 3	26 58	4 53	1 58	1 45	10 22	1 11	4 5	3 16	4 50	1 40	19 11	1 15	9 4	0 48	22 39	0 49	16 38	6 29	1 7	0 57	28 17	14 0	1 38
W25	3 27	28 40	5 14	1 13	1 41	9 57	1 13	4 1	3 13	4 53	1 40	19 11	1 15	9 5	0 48	22 39	0 49	16 37	6 29	1 7	0 56	28 17	14 3	1 38
T 26	3 50	28 29	5 15	0 27	1 37	9 31	1 14	3 56	3 9	4 56	1 40	19 11	1 15	9 5	0 48	22 40	0 49	16 37	6 29	1 7	0 55	28 16	14 5	1 38
F 27	4 14	26 25	4 57	0s19	1 33	9 5	1 16	3 52	3 6	4 58	1 39	19 11	1 15	9 6	0 48	22 40	0 49	16 37	6 29	1 7	0 54	28 15	14 7	1 38
S 28	4 37	22 44	4 21	1 4	1 28	8 38	1 18	3 47	3 3	5 1	1 39	19 12	1 15	9 7	0 48	22 40	0 49	16 37	6 29	1 7	0 52	28 15	14 9	1 38
S 29	5 0	17 44	3 30	1 50	1 23	8 12	1 20	3 42	2 59	5 4	1 39	19 12	1 15	9 7	0 48	22 40	0 49	16 37	6 29	1 7	0 51	28 14	14 11	1 38
M30	5s24	11n52	2n26	2s36	1n17	7n45	1n22	3n38	2s56	5s 6	1s39	19s12	1s15	9s 8	0s48	22s40	0n49	16n37	6s29	1n 8	0n50	28s14	14s13	1n38

Julian Day Number = 2147913.5, Delta T = 14m32s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°08'57, Lahiri = 12°15'58 Julian Calendar 1 Sept. 1168 == Greg. Calendar 8 Sept. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

OCTOBER 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 54	14♎36'24	19♍ 7	11♎12	14♍46	15°R42	20°R53	9°R21	8°R33	4♉24	18°R53	2♈50	2♈ 2	10♉24	13♏ 0	T 1
W 2	1 9 50	15°36'10	2♎42	12°54	16° 0	15♈22	20♓46	9♒21	8♓31	4°25	18♊53	2°R50	1°59	10°31	13° 7	W 2
T 3	1 13 47	16°35'57	16° 3	14°36	17°14	15° 2	20°40	9°20	8°30	4°26	18°52	2°50	1°55	10°38	13°15	T 3
F 4	1 17 44	17°35'46	29° 9	16°16	18°28	14°42	20°33	9°20	8°28	4°27	18°52	2°49	1°52	10°45	13°22	F 4
S 5	1 21 40	18°35'38	11♏58	17°57	19°42	14°23	20°27	9°20	8°26	4°28	18°51	2°47	1°49	10°51	13°30	S 5
S 6	1 25 37	19°35'31	24°32	19°37	20°55	14° 3	20°21	9°19	8°25	4°28	18°51	2°45	1°46	10°58	13°37	S 6
M 7	1 29 33	20°35'27	6♐52	21°16	22° 9	13°45	20°15	9°D19	8°23	4°29	18°50	2°42	1°43	11° 5	13°45	M 7
T 8	1 33 30	21°35'24	18°59	22°54	23°23	13°26	20° 9	9°20	8°21	4°30	18°50	2°39	1°39	11°11	13°52	T 8
W 9	1 37 26	22°35'22	0♑57	24°33	24°38	13° 8	20° 4	9°20	8°20	4°31	18°49	2°37	1°36	11°18	14° 0	W 9
T 10	1 41 23	23°35'23	12°50	26°10	25°52	12°50	19°58	9°20	8°18	4°32	18°49	2°35	1°33	11°25	14° 7	T 10
F 11	1 45 19	24°35'25	24°43	27°47	27° 6	12°33	19°53	9°20	8°17	4°33	18°48	2°D35	1°30	11°32	14°15	F 11
S 12	1 49 16	25°35'29	6♒39	29°24	28°20	12°17	19°48	9°21	8°16	4°34	18°47	2°35	1°27	11°38	14°23	S 12
S 13	1 53 13	26°35'34	18°45	1♏ 0	29°34	12° 1	19°43	9°21	8°14	4°35	18°47	2°37	1°24	11°45	14°30	S 13
M14	1 57 9	27°35'41	1♓ 4	2°36	0♎49	11°45	19°38	9°22	8°13	4°37	18°46	2°38	1°20	11°52	14°38	M14
T 15	2 1 6	28°35'50	13°40	4°11	2° 3	11°30	19°33	9°23	8°12	4°38	18°45	2°40	1°17	11°58	14°46	T 15
W16	2 5 2	29°36'00	26°38	5°46	3°17	11°16	19°29	9°24	8°10	4°39	18°45	2°R41	1°14	12° 5	14°53	W16
T 17	2 8 59	0♏36'12	9♈57	7°20	4°32	11° 3	19°25	9°25	8° 9	4°40	18°44	2°41	1°11	12°12	15° 1	T 17
F 18	2 12 55	1°36'25	23°39	8°54	5°46	10°50	19°20	9°26	8° 8	4°41	18°43	2°40	1° 8	12°19	15° 9	F 18
S 19	2 16 52	2°36'41	7♉41	10°28	7° 1	10°38	19°17	9°27	8° 7	4°43	18°42	2°37	1° 5	12°25	15°17	S 19
S 20	2 20 48	3°36'58	22° 0	12° 1	8°15	10°27	19°13	9°28	8° 6	4°44	18°42	2°32	1° 1	12°32	15°25	S 20
M21	2 24 45	4°37'17	6♊28	13°34	9°30	10°17	19° 9	9°30	8° 5	4°45	18°41	2°28	0°58	12°39	15°32	M21
T 22	2 28 41	5°37'38	21° 2	15° 7	10°44	10° 7	19° 6	9°31	8° 4	4°47	18°40	2°23	0°55	12°46	15°40	T 22
W23	2 32 38	6°38'01	5♋33	16°39	11°59	9°58	19° 3	9°33	8° 3	4°48	18°39	2°18	0°52	12°52	15°48	W23
T 24	2 36 35	7°38'26	19°57	18°11	13°14	9°50	19° 0	9°35	8° 2	4°49	18°38	2°16	0°49	12°59	15°56	T 24
F 25	2 40 31	8°38'53	4♌11	19°43	14°29	9°42	18°57	9°37	8° 1	4°51	18°37	2°D14	0°45	13° 6	16° 4	F 25
S 26	2 44 28	9°39'22	18°12	21°14	15°43	9°36	18°55	9°38	8° 0	4°52	18°37	2°14	0°42	13°12	16°12	S 26
S 27	2 48 24	10°39'52	1♍59	22°45	16°58	9°30	18°52	9°40	8° 0	4°54	18°36	2°16	0°39	13°19	16°19	S 27
M28	2 52 21	11°40'25	15°33	24°16	18°13	9°25	18°50	9°43	7°59	4°55	18°35	2°17	0°36	13°26	16°27	M28
T 29	2 56 17	12°40'59	28°54	25°47	19°28	9°21	18°48	9°45	7°58	4°57	18°34	2°R18	0°33	13°33	16°35	T 29
W30	3 0 14	13°41'35	12♎ 3	27°17	20°43	9°17	18°47	9°47	7°58	4°58	18°33	2°18	0°30	13°39	16°43	W30
T 31	3 4 10	14♏42'13	25♎ 1	28♏47	21♎58	9♈15	18♓45	9♒50	7♓57	5♉ 0	18♊32	2♈15	0♈26	13♉46	16♏51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s47	5n28	1n15	3s21	1n12	7n18	1n23	3n34	2s52	5s 9	1s39	19s12	1s15	9s 9	0s48	22s40	0n49	16n37	6s29	1n 8	0n49	28s13	14s15	1n39
W 2	6 10	1s 4	0 1	4 6	1 6	6 51	1 25	3 29	2 48	5 11	1 39	19 12	1 15	9 9	0 48	22 40	0 49	16 37	6 30	1 8	0 47	28 12	14 17	1 39
T 3	6 33	7 27	1s12	4 51	1 0	6 23	1 26	3 25	2 45	5 14	1 39	19 12	1 15	9 10	0 48	22 40	0 49	16 37	6 30	1 8	0 46	28 11	14 19	1 39
F 4	6 56	13 24	2 20	5 36	0 54	5 55	1 27	3 21	2 41	5 16	1 39	19 12	1 15	9 11	0 48	22 40	0 49	16 36	6 30	1 7	0 45	28 11	14 21	1 39
S 5	7 19	18 40	3 19	6 20	0 48	5 27	1 29	3 17	2 37	5 18	1 38	19 12	1 15	9 11	0 48	22 40	0 49	16 36	6 30	1 7	0 44	28 10	14 23	1 39
S 6	7 42	22 59	4 8	7 4	0 41	4 59	1 30	3 13	2 33	5 21	1 38	19 12	1 15	9 12	0 48	22 40	0 49	16 36	6 30	1 6	0 42	28 9	14 25	1 39
M 7	8 5	26 13	4 43	7 48	0 35	4 31	1 31	3 9	2 29	5 23	1 38	19 12	1 15	9 12	0 48	22 40	0 49	16 36	6 30	1 5	0 41	28 9	14 27	1 40
T 8	8 27	28 10	5 6	8 31	0 28	4 2	1 32	3 6	2 25	5 25	1 38	19 12	1 15	9 13	0 48	22 40	0 49	16 36	6 30	1 4	0 40	28 8	14 29	1 40
W 9	8 50	28 47	5 15	9 13	0 22	3 34	1 33	3 2	2 21	5 27	1 38	19 12	1 15	9 13	0 48	22 40	0 49	16 36	6 30	1 3	0 38	28 7	14 31	1 40
T 10	9 12	28 4	5 10	9 55	0 15	3 5	1 34	2 59	2 17	5 29	1 37	19 12	1 15	9 14	0 48	22 40	0 49	16 36	6 30	1 2	0 37	28 6	14 33	1 40
F 11	9 34	26 4	4 52	10 36	0 8	2 36	1 35	2 56	2 13	5 31	1 37	19 12	1 15	9 15	0 48	22 40	0 49	16 36	6 30	1 2	0 36	28 6	14 36	1 40
S 12	9 56	22 54	4 21	11 17	0 2	2 7	1 35	2 53	2 9	5 33	1 37	19 12	1 15	9 15	0 48	22 40	0 49	16 35	6 30	1 2	0 35	28 5	14 38	1 40
S 13	10 18	18 44	3 38	11 57	0s 5	1 38	1 36	2 51	2 5	5 35	1 37	19 11	1 14	9 15	0 48	22 40	0 49	16 35	6 30	1 3	0 33	28 4	14 40	1 41
M14	10 40	13 43	2 45	12 37	0 12	1 9	1 36	2 49	2 1	5 36	1 37	19 11	1 14	9 16	0 48	22 40	0 49	16 35	6 30	1 3	0 32	28 3	14 42	1 41
T 15	11 2	8 1	1 42	13 16	0 18	0 40	1 37	2 47	1 57	5 38	1 36	19 11	1 14	9 16	0 48	22 40	0 48	16 35	6 31	1 4	0 31	28 3	14 44	1 41
W16	11 23	1 51	0 33	13 54	0 25	0 11	1 37	2 45	1 53	5 39	1 36	19 11	1 14	9 17	0 48	22 40	0 48	16 35	6 31	1 4	0 30	28 2	14 46	1 41
T 17	11 44	4n34	0n40	14 31	0 32	0s19	1 38	2 43	1 49	5 41	1 36	19 10	1 14	9 17	0 48	22 40	0 48	16 35	6 31	1 4	0 28	28 1	14 48	1 41
F 18	12 5	10 58	1 52	15 8	0 38	0 48	1 38	2 42	1 45	5 42	1 36	19 10	1 14	9 18	0 48	22 40	0 48	16 35	6 31	1 4	0 27	28 0	14 50	1 42
S 19	12 26	16 58	3 0	15 44	0 45	1 18	1 38	2 41	1 41	5 44	1 35	19 10	1 14	9 18	0 48	22 40	0 48	16 35	6 31	1 3	0 26	27 59	14 52	1 42
S 20	12 47	22 10	3 57	16 19	0 51	1 47	1 38	2 40	1 37	5 45	1 35	19 9	1 14	9 18	0 48	22 40	0 48	16 34	6 31	1 1	0 25	27 58	14 54	1 42
M21	13 7	26 5	4 40	16 54	0 57	2 16	1 38	2 39	1 33	5 46	1 35	19 9	1 14	9 19	0 48	22 40	0 48	16 34	6 31	0 59	0 23	27 58	14 56	1 42
T 22	13 27	28 19	5 5	17 27	1 3	2 46	1 38	2 39	1 29	5 47	1 35	19 8	1 14	9 19	0 48	22 40	0 48	16 34	6 31	0 57	0 22	27 57	14 58	1 42
W23	13 48	28 36	5 11	18 0	1 9	3 15	1 38	2 39	1 26	5 48	1 34	19 8	1 14	9 19	0 48	22 40	0 48	16 34	6 31	0 55	0 21	27 56	15 1	1 43
T 24	14 7	26 57	4 57	18 32	1 15	3 45	1 38	2 39	1 22	5 49	1 34	19 7	1 14	9 20	0 47	22 40	0 48	16 34	6 31	0 54	0 19	27 55	15 3	1 43
F 25	14 27	23 35	4 24	19 3	1 21	4 14	1 38	2 40	1 18	5 50	1 34	19 7	1 14	9 20	0 47	22 40	0 48	16 34	6 31	0 54	0 18	27 54	15 5	1 43
S 26	14 46	18 53	3 37	19 33	1 27	4 43	1 37	2 41	1 14	5 51	1 34	19 6	1 14	9 20	0 47	22 39	0 48	16 34	6 31	0 54	0 17	27 53	15 7	1 43
S 27	15 5	13 16	2 37	20 2	1 32	5 12	1 37	2 42	1 11	5 51	1 33	19 6	1 14	9 20	0 47	22 39	0 48	16 34	6 31	0 54	0 16	27 52	15 9	1 43
M28	15 24	7 6	1 30	20 30	1 38	5 41	1 36	2 43	1 7	5 52	1 33	19 5	1 14	9 21	0 47	22 39	0 48	16 34	6 31	0 55	0 14	27 52	15 11	1 44
T 29	15 43	0 43	0 18	20 57	1 43	6 10	1 36	2 45	1 4	5 52	1 33	19 4	1 14	9 21	0 47	22 39	0 48	16 33	6 31	0 55	0 13	27 51	15 13	1 44
W30	16 1	5s36	0s53	21 23	1 48	6 39	1 35	2 47	1 0	5 53	1 33	19 4	1 14	9 21	0 47	22 39	0 48	16 33	6 31	0 55	0 12	27 50	15 15	1 44
T 31	16s19	11s35	2s 0	21s48	1s53	7s 8	1n35	2n49	0s57	5s53	1s32	19s 3	1s14	9s21	0s47	22s39	0n48	16n33	6s31	0n54	0n11	27s49	15s17	1n44

Julian Day Number = 2147943.5, Delta T = 14m31s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'01, Lahiri = 12°16'02 Julian Calendar 1 Oct. 1168 == Greg. Calendar 8 Oct. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

NOVEMBER 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 8 7	15♏42'52	7♏47	0♐16	23♎13	9°R13	18°R44	9♒52	7°R57	5♉ 2	18°R31	2°R11	0♈23	13♉53	16♏59	F 1
S 2	3 12 4	16°43'33	20°22	1°45	24°28	9♈12	18♓43	9°55	7♓56	5° 3	18♊30	2♈ 4	0°20	13°59	17° 7	S 2
S 3	3 16 0	17°44'16	2♐46	3°14	25°43	9°D12	18°42	9°57	7°56	5° 5	18°29	1°56	0°17	14° 6	17°15	S 3
M 4	3 19 57	18°44'59	14°59	4°42	26°58	9°13	18°41	10° 0	7°56	5° 7	18°28	1°46	0°14	14°13	17°22	M 4
T 5	3 23 53	19°45'45	27° 3	6°10	28°13	9°15	18°41	10° 3	7°55	5° 8	18°27	1°37	0°11	14°20	17°30	T 5
W 6	3 27 50	20°46'31	8♉59	7°37	29°28	9°17	18°40	10° 6	7°55	5°10	18°26	1°29	0° 7	14°26	17°38	W 6
T 7	3 31 46	21°47'18	20°50	9° 4	0♏43	9°20	18°D40	10° 9	7°55	5°12	18°25	1°22	0° 4	14°33	17°46	T 7
F 8	3 35 43	22°48'07	2♒41	10°30	1°58	9°24	18°40	10°12	7°55	5°14	18°24	1°17	0° 1	14°40	17°54	F 8
S 9	3 39 40	23°48'56	14°34	11°55	3°13	9°29	18°41	10°16	7°55	5°15	18°23	1°15	29♓58	14°46	18° 2	S 9
S 10	3 43 36	24°49'46	26°36	13°19	4°29	9°34	18°41	10°19	7°D55	5°17	18°22	1°D14	29°55	14°53	18°10	S 10
M11	3 47 33	25°50'38	8♓51	14°42	5°44	9°40	18°42	10°22	7°55	5°19	18°21	1°15	29°51	15° 0	18°17	M11
T 12	3 51 29	26°51'30	21°24	16° 4	6°59	9°47	18°43	10°26	7°55	5°21	18°20	1°16	29°48	15° 7	18°25	T 12
W13	3 55 26	27°52'23	4♈20	17°25	8°14	9°54	18°44	10°30	7°55	5°23	18°18	1°R16	29°45	15°13	18°33	W13
T 14	3 59 22	28°53'17	17°43	18°43	9°29	10° 3	18°46	10°33	7°55	5°25	18°17	1°15	29°42	15°20	18°41	T 14
F 15	4 3 19	29°54'11	1♉33	20° 1	10°45	10°12	18°47	10°37	7°55	5°27	18°16	1°11	29°39	15°27	18°49	F 15
S 16	4 7 15	0♐55'07	15°51	21°15	12° 0	10°21	18°49	10°41	7°56	5°29	18°15	1° 5	29°36	15°34	18°56	S 16
S 17	4 11 12	1°56'04	0♊31	22°28	13°15	10°31	18°51	10°45	7°56	5°31	18°14	0°57	29°32	15°40	19° 4	S 17
M18	4 15 9	2°57'02	15°26	23°38	14°30	10°42	18°53	10°49	7°56	5°33	18°13	0°47	29°29	15°47	19°12	M18
T 19	4 19 5	3°58'00	0♋28	24°44	15°46	10°54	18°56	10°53	7°57	5°35	18°12	0°37	29°26	15°54	19°20	T 19
W20	4 23 2	4°59'00	15°26	25°46	17° 1	11° 6	18°58	10°57	7°57	5°37	18°10	0°28	29°23	16° 0	19°27	W20
T 21	4 26 58	6° 0'01	0♌12	26°44	18°16	11°19	19° 1	11° 2	7°58	5°39	18° 9	0°21	29°20	16° 7	19°35	T 21
F 22	4 30 55	7° 1'03	14°40	27°37	19°32	11°32	19° 4	11° 6	7°58	5°41	18° 8	0°16	29°17	16°14	19°43	F 22
S 23	4 34 51	8° 2'06	28°46	28°25	20°47	11°46	19° 7	11°10	7°59	5°43	18° 7	0°14	29°13	16°21	19°50	S 23
S 24	4 38 48	9° 3'10	12♍31	29° 6	22° 2	12° 0	19°11	11°15	8° 0	5°45	18° 6	0°D14	29°10	16°27	19°58	S 24
M25	4 42 44	10° 4'15	25°55	29°39	23°18	12°15	19°14	11°20	8° 0	5°47	18° 5	0°R14	29° 7	16°34	20° 5	M25
T 26	4 46 41	11° 5'21	9♎ 1	0♉ 4	24°33	12°31	19°18	11°24	8° 1	5°49	18° 3	0°14	29° 4	16°41	20°13	T 26
W27	4 50 38	12° 6'28	21°52	0°21	25°48	12°47	19°22	11°29	8° 2	5°51	18° 2	0°12	29° 1	16°47	20°20	W27
T 28	4 54 34	13° 7'36	4♏30	0°R27	27° 4	13° 3	19°26	11°34	8° 3	5°53	18° 1	0° 7	28°57	16°54	20°28	T 28
F 29	4 58 31	14° 8'45	16°58	0°22	28°19	13°20	19°31	11°39	8° 4	5°55	18° 0	29♓59	28°54	17° 1	20°35	F 29
S 30	5 2 27	15♐ 9'54	29♏17	0♉ 6	29♏35	13♈38	19♓35	11♒44	8♓ 5	5♉57	17♊59	29♓49	28♓51	17♉ 8	20♏43	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s37	17s 0	3s 0	22s12	1s57	7s37	1n34	2n51	0s53	5s53	1s32	19s 2	1s13	9s21	0s47	22s39	0n48	16n33	6s31	0n52	0n 9	27s48	15s19	1n44
S 2	16 55	21 37	3 50	22 35	2 1	8 5	1 33	2 54	0 50	5 54	1 32	19 1	1 13	9 22	0 47	22 39	0 48	16 33	6 31	0 50	0 8	27 47	15 21	1 45
S 3	17 12	25 11	4 28	22 57	2 5	8 33	1 32	2 57	0 47	5 54	1 32	19 1	1 13	9 22	0 47	22 39	0 48	16 33	6 31	0 46	0 7	27 46	15 23	1 45
M 4	17 29	27 34	4 54	23 17	2 9	9 1	1 31	3 0	0 43	5 54	1 31	19 0	1 13	9 22	0 47	22 39	0 48	16 33	6 31	0 42	0 5	27 45	15 25	1 45
T 5	17 45	28 36	5 6	23 36	2 12	9 29	1 30	3 4	0 40	5 54	1 31	18 59	1 13	9 22	0 47	22 39	0 48	16 33	6 31	0 39	0 4	27 44	15 27	1 45
W 6	18 2	28 18	5 4	23 54	2 15	9 57	1 29	3 8	0 37	5 54	1 31	18 58	1 13	9 22	0 47	22 39	0 48	16 33	6 32	0 35	0 3	27 43	15 29	1 46
T 7	18 18	26 41	4 49	24 11	2 18	10 24	1 28	3 12	0 34	5 53	1 30	18 57	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 33	0 2	27 42	15 31	1 46
F 8	18 33	23 54	4 22	24 26	2 20	10 52	1 27	3 16	0 31	5 53	1 30	18 56	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 31	0 0	27 41	15 33	1 46
S 9	18 49	20 6	3 44	24 40	2 22	11 19	1 25	3 21	0 28	5 53	1 30	18 55	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 30	0s 1	27 40	15 35	1 46
S 10	19 4	15 27	2 55	24 53	2 24	11 45	1 24	3 25	0 25	5 52	1 30	18 54	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 30	0 2	27 39	15 37	1 47
M11	19 18	10 6	1 57	25 4	2 25	12 12	1 23	3 30	0 22	5 52	1 29	18 53	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 30	0 3	27 38	15 39	1 47
T 12	19 33	4 14	0 53	25 13	2 25	12 38	1 21	3 36	0 19	5 51	1 29	18 52	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 30	0 5	27 37	15 41	1 47
W13	19 47	1n59	0n16	25 21	2 25	13 4	1 20	3 41	0 17	5 50	1 29	18 51	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 30	0 6	27 36	15 42	1 47
T 14	20 0	8 19	1 27	25 28	2 24	13 29	1 18	3 47	0 14	5 49	1 28	18 50	1 13	9 22	0 47	22 39	0 48	16 32	6 32	0 30	0 7	27 35	15 44	1 48
F 15	20 13	14 29	2 34	25 33	2 23	13 54	1 16	3 53	0 12	5 48	1 28	18 49	1 13	9 21	0 47	22 39	0 48	16 32	6 32	0 28	0 8	27 34	15 46	1 48
S 16	20 26	20 4	3 34	25 36	2 21	14 19	1 15	3 59	0 9	5 47	1 28	18 48	1 13	9 21	0 47	22 39	0 47	16 32	6 32	0 26	0 10	27 33	15 48	1 48
S 17	20 39	24 37	4 22	25 38	2 18	14 44	1 13	4 5	0 6	5 46	1 28	18 47	1 13	9 21	0 47	22 39	0 47	16 31	6 32	0 23	0 11	27 32	15 50	1 48
M18	20 51	27 35	4 52	25 38	2 15	15 8	1 11	4 12	0 4	5 45	1 27	18 46	1 13	9 21	0 47	22 39	0 47	16 31	6 32	0 19	0 12	27 31	15 52	1 49
T 19	21 2	28 36	5 3	25 37	2 10	15 32	1 9	4 18	0 2	5 44	1 27	18 45	1 13	9 21	0 46	22 39	0 47	16 31	6 32	0 15	0 14	27 30	15 54	1 49
W20	21 14	27 30	4 53	25 34	2 5	15 55	1 8	4 25	0n 1	5 43	1 27	18 43	1 13	9 21	0 46	22 38	0 47	16 31	6 32	0 11	0 15	27 29	15 55	1 49
T 21	21 24	24 29	4 23	25 29	1 58	16 18	1 6	4 32	0 3	5 41	1 26	18 42	1 13	9 20	0 46	22 38	0 47	16 31	6 32	0 8	0 16	27 28	15 57	1 49
F 22	21 35	19 58	3 37	25 23	1 51	16 40	1 4	4 40	0 5	5 40	1 26	18 41	1 12	9 20	0 46	22 38	0 47	16 31	6 32	0 7	0 17	27 27	15 59	1 50
S 23	21 45	14 26	2 39	25 15	1 43	17 2	1 2	4 47	0 7	5 38	1 26	18 40	1 12	9 20	0 46	22 38	0 47	16 31	6 31	0 6	0 19	27 25	16 1	1 50
S 24	21 55	8 19	1 33	25 6	1 33	17 24	1 0	4 55	0 9	5 37	1 26	18 38	1 12	9 20	0 46	22 38	0 47	16 31	6 31	0 6	0 20	27 24	16 2	1 50
M25	22 4	1 59	0 23	24 55	1 22	17 45	0 58	5 2	0 12	5 35	1 25	18 37	1 12	9 19	0 46	22 38	0 47	16 31	6 31	0 6	0 21	27 23	16 4	1 51
T 26	22 12	4s18	0s46	24 42	1 9	18 6	0 56	5 10	0 14	5 33	1 25	18 36	1 12	9 19	0 46	22 38	0 47	16 31	6 31	0 6	0 22	27 22	16 6	1 51
W27	22 21	10 17	1 52	24 29	0 56	18 26	0 53	5 18	0 16	5 32	1 25	18 34	1 12	9 19	0 46	22 38	0 47	16 31	6 31	0 5	0 24	27 21	16 8	1 51
T 28	22 29	15 45	2 51	24 14	0 41	18 46	0 51	5 27	0 17	5 30	1 24	18 33	1 12	9 18	0 46	22 38	0 47	16 31	6 31	0 3	0 25	27 20	16 9	1 51
F 29	22 36	20 30	3 40	23 57	0 24	19 5	0 49	5 35	0 19	5 28	1 24	18 32	1 12	9 18	0 46	22 38	0 47	16 31	6 31	0s 0	0 26	27 19	16 11	1 52
S 30	22s43	24s18	4s19	23s40	0s 7	19s23	0n47	5n44	0n21	5s26	1s24	18s30	1s12	9s17	0s46	22s38	0n47	16n30	6s31	0s 4	0s28	27s18	16s13	1n52

Julian Day Number = 2147974.5, Delta T = 14m31s
Ecliptic obliquity = 23°32'59, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'05, Lahiri = 12°16'06 Julian Calendar 1 Nov. 1168 == Greg. Calendar 8 Nov. 1168

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ASTRODIENST EPHEMERIS for the year 1168
geocentric

DECEMBER 1168 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 24	16♐11'04	11♐28	29°R39	0♐50	13♈56	19♓40	11♒49	8♓ 6	6♉ 0	17°R57	29°R36	28♓48	17♉14	20♏50	S 1
M 2	5 10 20	17°12'14	23°33	29♐ 0	2° 5	14°14	19°45	11°54	8° 7	6° 2	17♊56	29♓21	28°45	17°21	20°57	M 2
T 3	5 14 17	18°13'25	5♉31	28° 9	3°21	14°33	19°50	11°59	8° 8	6° 4	17°55	29° 6	28°42	17°28	21° 5	T 3
W 4	5 18 13	19°14'36	17°24	27° 9	4°36	14°53	19°55	12° 5	8° 9	6° 6	17°54	28°53	28°38	17°34	21°12	W 4
T 5	5 22 10	20°15'48	29°14	25°59	5°52	15°13	20° 1	12°10	8°11	6° 8	17°53	28°41	28°35	17°41	21°19	T 5
F 6	5 26 7	21°16'59	11♒ 4	24°43	7° 7	15°33	20° 6	12°15	8°12	6°11	17°52	28°32	28°32	17°48	21°26	F 6
S 7	5 30 3	22°18'11	22°56	23°22	8°23	15°54	20°12	12°21	8°13	6°13	17°50	28°26	28°29	17°55	21°34	S 7
S 8	5 34 0	23°19'22	4♓55	22° 0	9°38	16°15	20°18	12°26	8°15	6°15	17°49	28°23	28°26	18° 1	21°41	S 8
M 9	5 37 56	24°20'34	17° 5	20°39	10°53	16°36	20°24	12°32	8°16	6°17	17°48	28°22	28°23	18° 8	21°48	M 9
T 10	5 41 53	25°21'45	29°33	19°22	12° 9	16°58	20°31	12°38	8°17	6°19	17°47	28°22	28°19	18°15	21°55	T 10
W11	5 45 49	26°22'56	12♈22	18°10	13°24	17°21	20°37	12°43	8°19	6°22	17°46	28°22	28°16	18°21	22° 2	W11
T 12	5 49 46	27°24'07	25°38	17° 7	14°40	17°43	20°44	12°49	8°21	6°24	17°44	28°20	28°13	18°28	22° 9	T 12
F 13	5 53 43	28°25'18	9♉24	16°12	15°55	18° 6	20°51	12°55	8°22	6°26	17°43	28°16	28°10	18°35	22°15	F 13
S 14	5 57 39	29°26'29	23°41	15°28	17°11	18°30	20°58	13° 1	8°24	6°28	17°42	28° 8	28° 7	18°42	22°22	S 14
S 15	6 1 36	0♉27'39	8♊25	14°53	18°26	18°53	21° 5	13° 7	8°26	6°31	17°41	27°59	28° 3	18°48	22°29	S 15
M16	6 5 32	1°28'50	23°32	14°29	19°41	19°17	21°12	13°13	8°27	6°33	17°40	27°47	28° 0	18°55	22°36	M16
T 17	6 9 29	2°30'00	8♋50	14°15	20°57	19°42	21°20	13°19	8°29	6°35	17°39	27°36	27°57	19° 2	22°42	T 17
W18	6 13 25	3°31'10	24° 8	14°D10	22°12	20° 6	21°27	13°25	8°31	6°38	17°37	27°25	27°54	19° 8	22°49	W18
T 19	6 17 22	4°32'20	9♌16	14°15	23°28	20°31	21°35	13°31	8°33	6°40	17°36	27°16	27°51	19°15	22°56	T 19
F 20	6 21 18	5°33'30	24° 3	14°27	24°43	20°56	21°43	13°38	8°35	6°42	17°35	27°10	27°48	19°22	23° 2	F 20
S 21	6 25 15	6°34'40	8♍25	14°47	25°58	21°22	21°51	13°44	8°37	6°44	17°34	27° 7	27°44	19°29	23° 9	S 21
S 22	6 29 12	7°35'49	22°19	15°14	27°14	21°48	21°59	13°50	8°39	6°47	17°33	27°D 6	27°41	19°35	23°15	S 22
M23	6 33 8	8°36'59	5♎47	15°48	28°29	22°14	22° 8	13°56	8°41	6°49	17°32	27°R 6	27°38	19°42	23°21	M23
T 24	6 37 5	9°38'08	18°51	16°27	29°45	22°40	22°16	14° 3	8°43	6°51	17°31	27° 6	27°35	19°49	23°28	T 24
W25	6 41 1	10°39'18	1♏36	17°10	1♉ 0	23° 7	22°25	14° 9	8°45	6°53	17°30	27° 4	27°32	19°55	23°34	W25
T 26	6 44 58	11°40'27	14° 4	17°59	2°15	23°34	22°34	14°16	8°47	6°56	17°29	27° 0	27°29	20° 2	23°40	T 26
F 27	6 48 54	12°41'36	26°21	18°51	3°31	24° 1	22°43	14°22	8°49	6°58	17°27	26°52	27°25	20° 9	23°46	F 27
S 28	6 52 51	13°42'45	8♐28	19°47	4°46	24°28	22°52	14°29	8°52	7° 0	17°26	26°42	27°22	20°16	23°52	S 28
S 29	6 56 47	14°43'54	20°29	20°47	6° 2	24°56	23° 1	14°36	8°54	7° 3	17°25	26°30	27°19	20°22	23°58	S 29
M30	7 0 44	15°45'02	2♉25	21°49	7°17	25°23	23°11	14°42	8°56	7° 5	17°24	26°16	27°16	20°29	24° 4	M30
T 31	7 4 41	16♉46'09	14♉19	22♐54	8♉32	25♈52	23♓20	14♒49	8♓59	7♉ 7	17♊23	26♓ 2	27♓13	20♉36	24♏10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s50	26s58	4s45	23s21	0n12	19s42	0n45	5n52	0n23	5s24	1s24	18s29	1s12	9s17	0s46	22s38	0n47	16n30	6s31	0s10	0s29	27s16	16s14	1n52
M 2	22 56	28 21	4 58	23 1	0 31	19 59	0 42	6 1	0 25	5 21	1 23	18 27	1 12	9 16	0 46	22 38	0 47	16 30	6 31	0 16	0 30	27 15	16 16	1 53
T 3	23 1	28 23	4 58	22 41	0 51	20 16	0 40	6 10	0 26	5 19	1 23	18 26	1 12	9 16	0 46	22 37	0 47	16 30	6 31	0 21	0 31	27 14	16 18	1 53
W 4	23 7	27 7	4 44	22 20	1 11	20 32	0 38	6 19	0 28	5 17	1 23	18 24	1 12	9 16	0 46	22 37	0 47	16 30	6 31	0 27	0 33	27 13	16 19	1 53
T 5	23 11	24 37	4 19	21 58	1 31	20 48	0 35	6 28	0 30	5 14	1 23	18 23	1 12	9 15	0 46	22 37	0 47	16 30	6 31	0 32	0 34	27 12	16 21	1 54
F 6	23 16	21 5	3 42	21 37	1 50	21 3	0 33	6 38	0 31	5 12	1 22	18 21	1 12	9 14	0 46	22 37	0 47	16 30	6 31	0 35	0 35	27 10	16 22	1 54
S 7	23 19	16 42	2 55	21 16	2 8	21 18	0 31	6 47	0 33	5 9	1 22	18 20	1 12	9 14	0 46	22 37	0 47	16 30	6 31	0 37	0 36	27 9	16 24	1 54
S 8	23 23	11 37	2 1	20 55	2 23	21 32	0 28	6 57	0 34	5 7	1 22	18 18	1 12	9 13	0 46	22 37	0 47	16 30	6 31	0 39	0 38	27 8	16 25	1 55
M 9	23 26	6 2	0 59	20 36	2 37	21 45	0 26	7 7	0 36	5 4	1 22	18 16	1 12	9 13	0 46	22 37	0 47	16 30	6 31	0 39	0 39	27 7	16 27	1 55
T 10	23 28	0 5	0n 6	20 19	2 49	21 58	0 23	7 16	0 37	5 1	1 21	18 15	1 12	9 12	0 46	22 37	0 47	16 30	6 31	0 39	0 40	27 6	16 28	1 55
W11	23 30	6n 2	1 13	20 4	2 58	22 10	0 21	7 26	0 39	4 58	1 21	18 13	1 12	9 12	0 46	22 37	0 47	16 30	6 31	0 39	0 41	27 4	16 30	1 56
T 12	23 31	12 6	2 19	19 52	3 5	22 21	0 18	7 36	0 40	4 56	1 21	18 11	1 12	9 11	0 46	22 37	0 47	16 30	6 31	0 40	0 43	27 3	16 31	1 56
F 13	23 32	17 49	3 18	19 42	3 9	22 32	0 16	7 46	0 42	4 53	1 20	18 10	1 12	9 10	0 46	22 37	0 47	16 30	6 30	0 42	0 44	27 2	16 33	1 56
S 14	23 33	22 47	4 8	19 35	3 11	22 42	0 14	7 56	0 43	4 50	1 20	18 8	1 12	9 10	0 45	22 37	0 47	16 30	6 30	0 45	0 45	27 1	16 34	1 57
S 15	23 33	26 28	4 43	19 31	3 11	22 52	0 11	8 7	0 44	4 47	1 20	18 6	1 12	9 9	0 45	22 36	0 47	16 30	6 30	0 48	0 47	26 59	16 36	1 57
M16	23 32	28 22	4 59	19 30	3 9	23 0	0 9	8 17	0 45	4 43	1 20	18 5	1 12	9 8	0 45	22 36	0 47	16 30	6 30	0 53	0 48	26 58	16 37	1 57
T 17	23 32	28 9	4 54	19 32	3 6	23 8	0 6	8 27	0 47	4 40	1 19	18 3	1 12	9 8	0 45	22 36	0 47	16 30	6 30	0 58	0 49	26 57	16 38	1 58
W18	23 30	25 47	4 28	19 36	3 2	23 15	0 4	8 38	0 48	4 37	1 19	18 1	1 12	9 7	0 45	22 36	0 47	16 30	6 30	1 2	0 50	26 55	16 40	1 58
T 19	23 28	21 37	3 44	19 42	2 56	23 22	0 1	8 48	0 49	4 34	1 19	17 59	1 12	9 6	0 45	22 36	0 47	16 30	6 30	1 6	0 52	26 54	16 41	1 58
F 20	23 26	16 9	2 45	19 50	2 50	23 28	0s 1	8 59	0 50	4 30	1 19	17 57	1 12	9 5	0 45	22 36	0 47	16 30	6 30	1 8	0 53	26 53	16 42	1 59
S 21	23 23	9 57	1 37	19 59	2 42	23 33	0 4	9 10	0 51	4 27	1 18	17 56	1 12	9 5	0 45	22 36	0 47	16 30	6 30	1 9	0 54	26 51	16 43	1 59
S 22	23 20	3 27	0 25	20 10	2 35	23 37	0 6	9 20	0 52	4 23	1 18	17 54	1 12	9 4	0 45	22 36	0 47	16 30	6 30	1 10	0 55	26 50	16 45	1 59
M23	23 16	3s 1	0s46	20 22	2 26	23 41	0 8	9 31	0 53	4 20	1 18	17 52	1 12	9 3	0 45	22 36	0 47	16 30	6 30	1 10	0 57	26 49	16 46	2 0
T 24	23 12	9 9	1 52	20 34	2 18	23 44	0 11	9 42	0 54	4 16	1 18	17 50	1 12	9 2	0 45	22 35	0 47	16 30	6 29	1 10	0 58	26 47	16 47	2 0
W25	23 7	14 46	2 52	20 48	2 9	23 46	0 13	9 53	0 55	4 13	1 18	17 48	1 12	9 1	0 45	22 35	0 47	16 30	6 29	1 10	0 59	26 46	16 48	2 0
T 26	23 2	19 39	3 41	21 1	1 59	23 47	0 16	10 4	0 56	4 9	1 17	17 46	1 12	9 0	0 45	22 35	0 47	16 30	6 29	1 12	1 1	26 45	16 49	2 1
F 27	22 56	23 38	4 20	21 15	1 50	23 48	0 18	10 15	0 57	4 5	1 17	17 44	1 12	9 0	0 45	22 35	0 47	16 30	6 29	1 15	1 2	26 43	16 51	2 1
S 28	22 50	26 31	4 46	21 29	1 41	23 48	0 20	10 26	0 58	4 1	1 17	17 42	1 12	8 59	0 45	22 35	0 47	16 30	6 29	1 19	1 3	26 42	16 52	2 2
S 29	22 44	28 11	4 59	21 42	1 31	23 47	0 23	10 37	0 59	3 57	1 17	17 40	1 12	8 58	0 45	22 35	0 47	16 30	6 29	1 24	1 4	26 41	16 53	2 2
M30	22 37	28 31	4 59	21 56	1 22	23 46	0 25	10 48	1 0	3 53	1 16	17 39	1 12	8 57	0 45	22 35	0 47	16 30	6 29	1 29	1 6	26 39	16 54	2 2
T 31	22s30	27s31	4s46	22s 9	1n13	23s44	0s27	10n59	1n 1	3s49	1s16	17s37	1s12	8s56	0s45	22s35	0n47	16n30	6s29	1s35	1s 7	26s38	16s55	2n 3

Julian Day Number = 2148004.5, Delta T = 14m31s
Ecliptic obliquity = 23°32'58, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'10, Lahiri = 12°16'10 Julian Calendar 1 Dec. 1168 == Greg. Calendar 8 Dec. 1168

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

JANUARY 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 8 37	17♑47'16	26♑10	24♐ 2	9♑48	26♈20	23♓30	14♒56	9♓ 1	7♑ 9	17°R22	25°R49	27♓ 9	20♑42	24♏15	W 1
T 2	7 12 34	18°48'22	8♒ 1	25°11	11° 3	26°48	23°39	15° 3	9° 4	7°12	17♊21	25♓38	27° 6	20°49	24°21	T 2
F 3	7 16 30	19°49'27	19°53	26°23	12°19	27°17	23°49	15° 9	9° 6	7°14	17°20	25°29	27° 3	20°56	24°27	F 3
S 4	7 20 27	20°50'31	1♓48	27°36	13°34	27°46	23°59	15°16	9° 9	7°16	17°19	25°24	27° 0	21° 3	24°32	S 4
S 5	7 24 23	21°51'34	13°50	28°51	14°49	28°15	24° 9	15°23	9°11	7°18	17°18	25°21	26°57	21° 9	24°38	S 5
M 6	7 28 20	22°52'36	26° 2	0♑ 7	16° 5	28°44	24°20	15°30	9°14	7°20	17°17	25°D20	26°54	21°16	24°43	M 6
T 7	7 32 16	23°53'37	8♈28	1°25	17°20	29°14	24°30	15°37	9°16	7°23	17°16	25°20	26°50	21°23	24°48	T 7
W 8	7 36 13	24°54'36	21°13	2°45	18°35	29°43	24°41	15°44	9°19	7°25	17°15	25°R21	26°47	21°29	24°54	W 8
T 9	7 40 10	25°55'35	4♉22	4° 5	19°51	0♉13	24°51	15°51	9°22	7°27	17°15	25°21	26°44	21°36	24°59	T 9
F 10	7 44 6	26°56'32	17°57	5°27	21° 6	0°43	25° 2	15°58	9°24	7°29	17°14	25°19	26°41	21°43	25° 4	F 10
S 11	7 48 3	27°57'28	2♊ 2	6°49	22°21	1°13	25°13	16° 5	9°27	7°31	17°13	25°14	26°38	21°50	25° 9	S 11
S 12	7 51 59	28°58'23	16°35	8°13	23°36	1°44	25°24	16°12	9°30	7°34	17°12	25° 8	26°35	21°56	25°14	S 12
M13	7 55 56	29°59'16	1♋32	9°38	24°52	2°14	25°35	16°19	9°33	7°36	17°11	25° 0	26°31	22° 3	25°18	M13
T 14	7 59 52	1♒ 0'08	16°46	11° 4	26° 7	2°45	25°46	16°26	9°36	7°38	17°10	24°51	26°28	22°10	25°23	T 14
W15	8 3 49	2° 0'59	2♌ 6	12°30	27°22	3°16	25°57	16°33	9°39	7°40	17° 9	24°43	26°25	22°16	25°28	W15
T 16	8 7 46	3° 1'48	17°21	13°58	28°37	3°47	26° 8	16°40	9°41	7°42	17° 9	24°36	26°22	22°23	25°32	T 16
F 17	8 11 42	4° 2'37	2♍21	15°26	29°53	4°18	26°20	16°48	9°44	7°44	17° 8	24°32	26°19	22°30	25°37	F 17
S 18	8 15 39	5° 3'24	16°56	16°55	1♒ 8	4°49	26°31	16°55	9°47	7°46	17° 7	24°30	26°15	22°37	25°41	S 18
S 19	8 19 35	6° 4'10	1♎ 5	18°25	2°23	5°20	26°43	17° 2	9°50	7°48	17° 6	24°D30	26°12	22°43	25°46	S 19
M20	8 23 32	7° 4'55	14°44	19°56	3°38	5°52	26°54	17° 9	9°53	7°50	17° 6	24°31	26° 9	22°50	25°50	M20
T 21	8 27 28	8° 5'39	27°56	21°28	4°54	6°23	27° 6	17°16	9°56	7°52	17° 5	24°32	26° 6	22°57	25°54	T 21
W22	8 31 25	9° 6'22	10♏45	23° 1	6° 9	6°55	27°18	17°24	9°59	7°54	17° 4	24°R33	26° 3	23° 3	25°58	W22
T 23	8 35 21	10° 7'04	23°14	24°34	7°24	7°27	27°30	17°31	10° 2	7°56	17° 4	24°31	26° 0	23°10	26° 2	T 23
F 24	8 39 18	11° 7'44	5♐27	26° 9	8°39	7°59	27°42	17°38	10° 5	7°58	17° 3	24°28	25°56	23°17	26° 6	F 24
S 25	8 43 15	12° 8'24	17°30	27°44	9°54	8°31	27°54	17°46	10° 9	8° 0	17° 2	24°24	25°53	23°23	26°10	S 25
S 26	8 47 11	13° 9'02	29°26	29°20	11° 9	9° 3	28° 7	17°53	10°12	8° 2	17° 2	24°17	25°50	23°30	26°13	S 26
M27	8 51 8	14° 9'39	11♑17	0♒57	12°25	9°36	28°19	18° 0	10°15	8° 4	17° 1	24° 9	25°47	23°37	26°17	M27
T 28	8 55 4	15°10'15	23° 8	2°34	13°40	10° 8	28°31	18° 7	10°18	8° 6	17° 1	24° 1	25°44	23°44	26°20	T 28
W29	8 59 1	16°10'49	4♒59	4°13	14°55	10°41	28°44	18°15	10°21	8° 8	17° 0	23°54	25°41	23°50	26°24	W29
T 30	9 2 57	17°11'22	16°53	5°52	16°10	11°13	28°56	18°22	10°24	8°10	17° 0	23°48	25°37	23°57	26°27	T 30
F 31	9 6 54	18♒11'52	28♒52	7♒33	17♒25	11♉46	29♓ 9	18♒29	10♓28	8♑12	16♊59	23♓43	25♓34	24♑ 4	26♏30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s22	25s16	4s20	22s21	1n 3	23s41	0s30	11n10	1n 2	3s45	1s16	17s35	1s12	8s55	0s45	22s35	0n47	16n30	6s29	1s40	1s 8	26s36	16s56	2n 3
T 2	22 13	21 57	3 43	22 34	0 54	23 37	0 32	11 21	1 2	3 41	1 16	17 33	1 12	8 54	0 45	22 34	0 47	16 30	6 28	1 45	1 9	26 35	16 57	2 4
F 3	22 5	17 43	2 57	22 45	0 45	23 33	0 34	11 32	1 3	3 37	1 16	17 31	1 12	8 53	0 45	22 34	0 47	16 30	6 28	1 48	1 11	26 34	16 58	2 4
S 4	21 56	12 47	2 2	22 56	0 36	23 27	0 36	11 43	1 4	3 33	1 15	17 29	1 12	8 52	0 45	22 34	0 47	16 30	6 28	1 50	1 12	26 32	16 59	2 4
S 5	21 46	7 19	1 1	23 5	0 27	23 21	0 38	11 54	1 5	3 29	1 15	17 27	1 12	8 51	0 45	22 34	0 47	16 30	6 28	1 51	1 13	26 31	17 0	2 5
M 6	21 36	1 32	0n 4	23 14	0 19	23 15	0 41	12 6	1 5	3 25	1 15	17 24	1 12	8 50	0 45	22 34	0 47	16 30	6 28	1 52	1 14	26 29	17 1	2 5
T 7	21 26	4n26	1 10	23 22	0 10	23 7	0 43	12 17	1 6	3 20	1 15	17 22	1 12	8 49	0 45	22 34	0 47	16 30	6 28	1 52	1 16	26 28	17 2	2 6
W 8	21 15	10 23	2 14	23 29	0 2	22 59	0 45	12 28	1 7	3 16	1 15	17 20	1 12	8 48	0 45	22 34	0 47	16 30	6 28	1 51	1 17	26 26	17 2	2 6
T 9	21 4	16 3	3 13	23 35	0s 6	22 51	0 47	12 39	1 8	3 11	1 14	17 18	1 12	8 47	0 45	22 34	0 47	16 30	6 27	1 51	1 18	26 25	17 3	2 6
F 10	20 52	21 9	4 3	23 40	0 14	22 41	0 49	12 50	1 8	3 7	1 14	17 16	1 12	8 46	0 45	22 34	0 47	16 30	6 27	1 52	1 20	26 24	17 4	2 7
S 11	20 40	25 15	4 41	23 44	0 22	22 31	0 51	13 2	1 9	3 3	1 14	17 14	1 12	8 45	0 45	22 33	0 47	16 30	6 27	1 54	1 21	26 22	17 5	2 7
S 12	20 28	27 52	5 2	23 47	0 30	22 20	0 52	13 13	1 9	2 58	1 14	17 12	1 12	8 44	0 45	22 33	0 47	16 31	6 27	1 57	1 22	26 21	17 6	2 8
M13	20 15	28 36	5 3	23 49	0 37	22 9	0 54	13 24	1 10	2 53	1 14	17 10	1 12	8 43	0 45	22 33	0 47	16 31	6 27	2 0	1 23	26 19	17 6	2 8
T 14	20 2	27 11	4 44	23 49	0 44	21 57	0 56	13 35	1 11	2 49	1 13	17 8	1 12	8 42	0 45	22 33	0 47	16 31	6 27	2 3	1 25	26 18	17 7	2 9
W15	19 48	23 44	4 3	23 48	0 51	21 44	0 58	13 46	1 11	2 44	1 13	17 6	1 12	8 41	0 45	22 33	0 47	16 31	6 27	2 7	1 26	26 16	17 8	2 9
T 16	19 34	18 39	3 6	23 46	0 57	21 30	1 0	13 58	1 12	2 40	1 13	17 4	1 12	8 39	0 45	22 33	0 47	16 31	6 26	2 9	1 27	26 15	17 8	2 9
F 17	19 20	12 30	1 56	23 42	1 4	21 16	1 1	14 9	1 12	2 35	1 13	17 1	1 12	8 38	0 44	22 33	0 47	16 31	6 26	2 11	1 28	26 13	17 9	2 10
S 18	19 5	5 48	0 41	23 38	1 10	21 1	1 3	14 20	1 13	2 30	1 13	16 59	1 12	8 37	0 44	22 33	0 47	16 31	6 26	2 12	1 30	26 11	17 10	2 10
S 19	18 50	0s58	0s35	23 31	1 16	20 46	1 5	14 31	1 13	2 25	1 13	16 57	1 12	8 36	0 44	22 32	0 47	16 31	6 26	2 12	1 31	26 10	17 10	2 11
M20	18 35	7 28	1 47	23 24	1 21	20 30	1 6	14 42	1 14	2 20	1 12	16 55	1 12	8 35	0 44	22 32	0 47	16 31	6 26	2 11	1 32	26 8	17 11	2 11
T 21	18 20	13 26	2 50	23 15	1 26	20 13	1 8	14 53	1 14	2 16	1 12	16 53	1 12	8 34	0 44	22 32	0 47	16 31	6 26	2 11	1 33	26 7	17 11	2 12
W22	18 4	18 39	3 43	23 5	1 31	19 56	1 9	15 4	1 15	2 11	1 12	16 51	1 13	8 33	0 44	22 32	0 47	16 31	6 25	2 11	1 35	26 5	17 12	2 12
T 23	17 47	22 55	4 24	22 53	1 36	19 38	1 10	15 15	1 15	2 6	1 12	16 48	1 13	8 31	0 44	22 32	0 47	16 32	6 25	2 11	1 36	26 4	17 12	2 13
F 24	17 31	26 6	4 52	22 40	1 40	19 20	1 12	15 26	1 16	2 1	1 12	16 46	1 13	8 30	0 44	22 32	0 47	16 32	6 25	2 12	1 37	26 2	17 13	2 13
S 25	17 14	28 3	5 7	22 25	1 44	19 1	1 13	15 37	1 16	1 56	1 12	16 44	1 13	8 29	0 44	22 32	0 47	16 32	6 25	2 14	1 39	26 1	17 13	2 13
S 26	16 57	28 40	5 8	22 9	1 48	18 42	1 14	15 47	1 17	1 51	1 11	16 42	1 13	8 28	0 44	22 32	0 47	16 32	6 25	2 17	1 40	25 59	17 14	2 14
M27	16 39	27 58	4 55	21 51	1 52	18 22	1 15	15 58	1 17	1 46	1 11	16 40	1 13	8 27	0 44	22 31	0 47	16 32	6 25	2 20	1 41	25 57	17 14	2 14
T 28	16 22	26 0	4 30	21 32	1 55	18 1	1 16	16 9	1 17	1 41	1 11	16 37	1 13	8 25	0 44	22 31	0 47	16 32	6 24	2 23	1 42	25 56	17 14	2 15
W29	16 4	22 53	3 54	21 12	1 57	17 40	1 18	16 20	1 18	1 36	1 11	16 35	1 13	8 24	0 44	22 31	0 47	16 32	6 24	2 26	1 44	25 54	17 15	2 15
T 30	15 45	18 49	3 7	20 49	2 0	17 19	1 19	16 30	1 18	1 30	1 11	16 33	1 13	8 23	0 44	22 31	0 47	16 32	6 24	2 29	1 45	25 53	17 15	2 16
F 31	15s27	13s58	2s11	20s26	2s 2	16s57	1s19	16n41	1n19	1s25	1s11	16s31	1s13	8s22	0s44	22s31	0n47	16n32	6s24	2s30	1s46	25s51	17s15	2n16

Julian Day Number = 2148035.5, Delta T = 14m31s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'14, Lahiri = 12°16'14 Julian Calendar 1 Jan. 1169 == Greg. Calendar 8 Jan. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

FEBRUARY 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 50	19♒12'22	10♓56	9♒14	18♒40	12♉19	29♓22	18♒37	10♓31	8♑14	16°R59	23°R40	25♓31	24♑10	26♏33	S 1
S 2	9 14 47	20°12'49	23° 8	10°56	19°55	12°52	29°34	18°44	10°34	8°16	16♊58	23°D40	25°28	24°17	26°36	S 2
M 3	9 18 44	21°13'14	5♈30	12°40	21°10	13°25	29°47	18°51	10°38	8°17	16°58	23♓40	25°25	24°24	26°39	M 3
T 4	9 22 40	22°13'38	18° 5	14°24	22°25	13°58	29°59	18°58	10°41	8°19	16°57	23°42	25°21	24°31	26°42	T 4
W 5	9 26 37	23°14'00	0♉55	16° 9	23°40	14°31	0♈13	19° 6	10°44	8°21	16°57	23°43	25°18	24°37	26°45	W 5
T 6	9 30 33	24°14'19	14° 4	17°55	24°55	15° 5	0°26	19°13	10°47	8°23	16°56	23°45	25°15	24°44	26°47	T 6
F 7	9 34 30	25°14'37	27°34	19°42	26°10	15°38	0°39	19°20	10°51	8°24	16°56	23°R45	25°12	24°51	26°50	F 7
S 8	9 38 26	26°14'53	11♊27	21°30	27°25	16°11	0°52	19°28	10°54	8°26	16°56	23°44	25° 9	24°57	26°52	S 8
S 9	9 42 23	27°15'07	25°44	23°20	28°40	16°45	1° 5	19°35	10°57	8°28	16°55	23°42	25° 6	25° 4	26°54	S 9
M10	9 46 19	28°15'18	10♋21	25°10	29°55	17°19	1°19	19°42	11° 1	8°29	16°55	23°39	25° 2	25°11	26°57	M10
T 11	9 50 16	29°15'28	25°14	27° 1	1♓10	17°52	1°32	19°49	11° 4	8°31	16°55	23°36	24°59	25°18	26°59	T 11
W12	9 54 13	0♓15'35	10♌17	28°53	2°25	18°26	1°45	19°57	11° 8	8°33	16°55	23°32	24°56	25°24	27° 1	W12
T 13	9 58 9	1°15'40	25°19	0♓46	3°40	19° 0	1°59	20° 4	11°11	8°34	16°54	23°30	24°53	25°31	27° 3	T 13
F 14	10 2 6	2°15'44	10♍13	2°40	4°55	19°34	2°12	20°11	11°14	8°36	16°54	23°28	24°50	25°38	27° 4	F 14
S 15	10 6 2	3°15'45	24°49	4°35	6°10	20° 8	2°26	20°18	11°18	8°37	16°54	23°D28	24°46	25°44	27° 6	S 15
S 16	10 9 59	4°15'45	9♎ 3	6°31	7°25	20°42	2°39	20°25	11°21	8°39	16°54	23°28	24°43	25°51	27° 8	S 16
M17	10 13 55	5°15'42	22°50	8°27	8°39	21°16	2°53	20°33	11°25	8°40	16°54	23°29	24°40	25°58	27° 9	M17
T 18	10 17 52	6°15'39	6♏12	10°24	9°54	21°50	3° 7	20°40	11°28	8°42	16°54	23°31	24°37	26° 4	27°10	T 18
W19	10 21 48	7°15'33	19° 8	12°22	11° 9	22°25	3°20	20°47	11°31	8°43	16°54	23°32	24°34	26°11	27°12	W19
T 20	10 25 45	8°15'26	1♐43	14°19	12°24	22°59	3°34	20°54	11°35	8°44	16°53	23°33	24°31	26°18	27°13	T 20
F 21	10 29 42	9°15'17	14° 0	16°17	13°39	23°33	3°48	21° 1	11°38	8°46	16°53	23°R33	24°27	26°25	27°14	F 21
S 22	10 33 38	10°15'07	26° 4	18°15	14°53	24° 8	4° 2	21° 8	11°42	8°47	16°D53	23°32	24°24	26°31	27°15	S 22
S 23	10 37 35	11°14'54	7♑59	20°13	16° 8	24°42	4°16	21°15	11°45	8°48	16°53	23°31	24°21	26°38	27°16	S 23
M24	10 41 31	12°14'40	19°49	22°10	17°23	25°17	4°30	21°22	11°49	8°50	16°53	23°29	24°18	26°45	27°16	M24
T 25	10 45 28	13°14'25	1♒40	24° 6	18°37	25°51	4°43	21°29	11°52	8°51	16°53	23°28	24°15	26°51	27°17	T 25
W26	10 49 24	14°14'07	13°33	26° 1	19°52	26°26	4°57	21°36	11°56	8°52	16°54	23°26	24°12	26°58	27°17	W26
T 27	10 53 21	15°13'47	25°32	27°55	21° 7	27° 1	5°12	21°43	11°59	8°53	16°54	23°25	24° 8	27° 5	27°18	T 27
F 28	10 57 17	16♓13'25	7♓39	29♓46	22♓21	27♉35	5♈26	21♒50	12♓ 2	8♑54	16♊54	23♓25	24♓ 5	27♑11	27♏18	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 8	8s34	1s 9	20s 0	2s 3	16s34	1s20	16n51	1n19	1s20	1s11	16s28	1s13	8s20	0s44	22s31	0n47	16n33	6s24	2s31	1s47	25s49	17s15	2n17
S 2	14 49	2 47	0 3	19 34	2 5	16 11	1 21	17 2	1 19	1 15	1 10	16 26	1 13	8 19	0 44	22 31	0 47	16 33	6 23	2 32	1 49	25 48	17 16	2 17
M 3	14 30	3n11	1n 4	19 5	2 5	15 48	1 22	17 12	1 20	1 10	1 10	16 24	1 13	8 18	0 44	22 31	0 47	16 33	6 23	2 32	1 50	25 46	17 16	2 18
T 4	14 10	9 7	2 10	18 35	2 6	15 24	1 23	17 22	1 20	1 4	1 10	16 22	1 13	8 17	0 44	22 30	0 47	16 33	6 23	2 31	1 51	25 44	17 16	2 18
W 5	13 50	14 49	3 10	18 4	2 6	15 0	1 23	17 33	1 20	0 59	1 10	16 20	1 13	8 15	0 44	22 30	0 47	16 33	6 23	2 30	1 52	25 43	17 16	2 19
T 6	13 30	19 58	4 2	17 31	2 5	14 35	1 24	17 43	1 20	0 54	1 10	16 17	1 13	8 14	0 44	22 30	0 47	16 33	6 23	2 30	1 54	25 41	17 16	2 19
F 7	13 10	24 17	4 42	16 56	2 4	14 10	1 24	17 53	1 21	0 48	1 10	16 15	1 13	8 13	0 44	22 30	0 47	16 33	6 23	2 30	1 55	25 39	17 16	2 20
S 8	12 50	27 19	5 7	16 20	2 3	13 45	1 25	18 3	1 21	0 43	1 10	16 13	1 14	8 11	0 44	22 30	0 47	16 34	6 22	2 30	1 56	25 38	17 17	2 20
S 9	12 29	28 42	5 13	15 42	2 1	13 19	1 25	18 13	1 21	0 38	1 10	16 11	1 14	8 10	0 44	22 30	0 47	16 34	6 22	2 31	1 58	25 36	17 17	2 21
M10	12 8	28 8	5 1	15 3	1 58	12 53	1 25	18 23	1 22	0 32	1 9	16 8	1 14	8 9	0 44	22 30	0 47	16 34	6 22	2 32	1 59	25 34	17 17	2 21
T 11	11 47	25 34	4 27	14 22	1 55	12 26	1 26	18 33	1 22	0 27	1 9	16 6	1 14	8 8	0 44	22 30	0 47	16 34	6 22	2 33	2 0	25 33	17 17	2 21
W12	11 26	21 12	3 36	13 40	1 52	12 0	1 26	18 43	1 22	0 21	1 9	16 4	1 14	8 6	0 44	22 30	0 47	16 34	6 22	2 35	2 1	25 31	17 17	2 22
T 13	11 5	15 28	2 29	12 56	1 48	11 33	1 26	18 52	1 22	0 16	1 9	16 2	1 14	8 5	0 44	22 29	0 47	16 34	6 21	2 36	2 3	25 29	17 17	2 22
F 14	10 43	8 53	1 12	12 11	1 43	11 5	1 26	19 2	1 23	0 10	1 9	16 0	1 14	8 4	0 44	22 29	0 47	16 35	6 21	2 36	2 4	25 28	17 17	2 23
S 15	10 21	1 57	0s 7	11 24	1 38	10 37	1 26	19 11	1 23	0 5	1 9	15 57	1 14	8 2	0 44	22 29	0 47	16 35	6 21	2 36	2 5	25 26	17 16	2 23
S 16	9 59	4s54	1 25	10 36	1 33	10 9	1 26	19 21	1 23	0n 1	1 9	15 55	1 14	8 1	0 44	22 29	0 47	16 35	6 21	2 36	2 6	25 24	17 16	2 24
M17	9 38	11 19	2 35	9 46	1 26	9 41	1 26	19 30	1 23	0 6	1 9	15 53	1 14	8 0	0 44	22 29	0 47	16 35	6 21	2 36	2 8	25 22	17 16	2 24
T 18	9 15	17 1	3 35	8 56	1 19	9 13	1 26	19 39	1 23	0 12	1 9	15 51	1 14	7 58	0 44	22 29	0 47	16 35	6 20	2 35	2 9	25 21	17 16	2 25
W19	8 53	21 46	4 21	8 4	1 12	8 44	1 25	19 48	1 24	0 17	1 8	15 49	1 14	7 57	0 44	22 29	0 47	16 36	6 20	2 35	2 10	25 19	17 16	2 25
T 20	8 31	25 23	4 54	7 11	1 4	8 15	1 25	19 57	1 24	0 23	1 8	15 46	1 15	7 56	0 44	22 29	0 47	16 36	6 20	2 34	2 11	25 17	17 16	2 26
F 21	8 8	27 45	5 12	6 17	0 55	7 46	1 25	20 6	1 24	0 28	1 8	15 44	1 15	7 55	0 44	22 29	0 47	16 36	6 20	2 34	2 13	25 15	17 15	2 26
S 22	7 46	28 45	5 16	5 22	0 46	7 16	1 24	20 15	1 24	0 34	1 8	15 42	1 15	7 53	0 44	22 29	0 47	16 36	6 20	2 35	2 14	25 14	17 15	2 27
S 23	7 23	28 24	5 6	4 27	0 36	6 47	1 24	20 24	1 24	0 40	1 8	15 40	1 15	7 52	0 44	22 28	0 47	16 36	6 20	2 35	2 15	25 12	17 15	2 27
M24	7 0	26 45	4 44	3 31	0 26	6 17	1 23	20 32	1 24	0 45	1 8	15 38	1 15	7 51	0 44	22 28	0 47	16 36	6 19	2 36	2 16	25 10	17 14	2 28
T 25	6 37	23 55	4 9	2 35	0 15	5 47	1 23	20 41	1 25	0 51	1 8	15 36	1 15	7 49	0 44	22 28	0 47	16 37	6 19	2 36	2 18	25 8	17 14	2 28
W26	6 14	20 5	3 23	1 39	0 4	5 17	1 22	20 49	1 25	0 57	1 8	15 33	1 15	7 48	0 44	22 28	0 47	16 37	6 19	2 37	2 19	25 6	17 14	2 29
T 27	5 51	15 24	2 28	0 43	0n 8	4 47	1 21	20 57	1 25	1 2	1 8	15 31	1 15	7 47	0 44	22 28	0 47	16 37	6 19	2 37	2 20	25 5	17 13	2 29
F 28	5s28	10s 4	1s26	0n13	0n20	4s16	1s20	21n 6	1n25	1n 8	1s 8	15s29	1s15	7s45	0s44	22s28	0n47	16n37	6s19	2s38	2s22	25s 3	17s13	2n30

Julian Day Number = 2148066.5, Delta T = 14m31s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'18, Lahiri = 12°16'19 Julian Calendar 1 Feb. 1169 == Greg. Calendar 8 Feb. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

MARCH 1169 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 14	17♓13'02	19♓55	1♈35	23♓36	28♉10	5♈40	21♒57	12♓ 6	8♊55	16♊54	23°D24	24♓ 2	27♊18	27♏18	S 1
S 2	11 5 11	18°12'36	2♈23	3°21	24°51	28°45	5°54	22° 3	12° 9	8°57	16°54	23♓24	23°59	27°25	27°R18	S 2
M 3	11 9 7	19°12'08	15° 3	5° 4	26° 5	29°20	6° 8	22°10	12°13	8°58	16°54	23°25	23°56	27°32	27°18	M 3
T 4	11 13 4	20°11'38	27°56	6°42	27°20	29°55	6°22	22°17	12°16	8°59	16°54	23°25	23°52	27°38	27°18	T 4
W 5	11 17 0	21°11'05	11♉ 3	8°17	28°34	0♊30	6°36	22°24	12°20	9° 0	16°55	23°25	23°49	27°45	27°18	W 5
T 6	11 20 57	22°10'31	24°25	9°47	29°49	1° 5	6°50	22°30	12°23	9° 1	16°55	23°25	23°46	27°52	27°18	T 6
F 7	11 24 53	23° 9'54	8♊ 1	11°11	1♈ 3	1°40	7° 5	22°37	12°26	9° 2	16°55	23°R26	23°43	27°58	27°17	F 7
S 8	11 28 50	24° 9'15	21°53	12°31	2°18	2°15	7°19	22°44	12°30	9° 2	16°56	23°D26	23°40	28° 5	27°17	S 8
S 9	11 32 46	25° 8'33	5♋59	13°44	3°32	2°50	7°33	22°50	12°33	9° 3	16°56	23°26	23°37	28°12	27°16	S 9
M10	11 36 43	26° 7'49	20°18	14°52	4°47	3°25	7°48	22°57	12°36	9° 4	16°56	23°26	23°33	28°18	27°15	M10
T 11	11 40 40	27° 7'03	4♌47	15°53	6° 1	4° 1	8° 2	23° 3	12°40	9° 5	16°57	23°26	23°30	28°25	27°15	T 11
W12	11 44 36	28° 6'14	19°23	16°47	7°15	4°36	8°16	23°10	12°43	9° 6	16°57	23°26	23°27	28°32	27°14	W12
T 13	11 48 33	29° 5'23	3♍59	17°35	8°30	5°11	8°31	23°16	12°46	9° 7	16°57	23°27	23°24	28°39	27°13	T 13
F 14	11 52 29	0♈ 4'29	18°31	18°16	9°44	5°47	8°45	23°22	12°50	9° 7	16°58	23°R27	23°21	28°45	27°11	F 14
S 15	11 56 26	1° 3'34	2♎51	18°50	10°58	6°22	8°59	23°29	12°53	9° 8	16°58	23°27	23°18	28°52	27°10	S 15
S 16	12 0 22	2° 2'36	16°56	19°17	12°13	6°57	9°14	23°35	12°56	9° 9	16°59	23°26	23°14	28°59	27° 9	S 16
M17	12 4 19	3° 1'36	0♏40	19°36	13°27	7°33	9°28	23°41	13° 0	9° 9	16°59	23°26	23°11	29° 5	27° 7	M17
T 18	12 8 15	4° 0'35	14° 2	19°49	14°41	8° 8	9°42	23°47	13° 3	9°10	17° 0	23°24	23° 8	29°12	27° 6	T 18
W19	12 12 12	4°59'32	27° 2	19°R55	15°55	8°44	9°57	23°54	13° 6	9°10	17° 0	23°23	23° 5	29°19	27° 4	W19
T 20	12 16 8	5°58'27	9♐41	19°54	17° 9	9°19	10°11	24° 0	13° 9	9°11	17° 1	23°21	23° 2	29°25	27° 3	T 20
F 21	12 20 5	6°57'20	22° 2	19°47	18°24	9°55	10°26	24° 6	13°13	9°11	17° 1	23°20	22°58	29°32	27° 1	F 21
S 22	12 24 2	7°56'11	4♑ 9	19°33	19°38	10°30	10°40	24°12	13°16	9°12	17° 2	23°D20	22°55	29°39	26°59	S 22
S 23	12 27 58	8°55'01	16° 5	19°14	20°52	11° 6	10°55	24°18	13°19	9°12	17° 3	23°20	22°52	29°45	26°57	S 23
M24	12 31 55	9°53'49	27°57	18°50	22° 6	11°42	11° 9	24°23	13°22	9°13	17° 3	23°21	22°49	29°52	26°55	M24
T 25	12 35 51	10°52'35	9♒48	18°20	23°20	12°17	11°23	24°29	13°25	9°13	17° 4	23°22	22°46	29°59	26°53	T 25
W26	12 39 48	11°51'19	21°43	17°47	24°34	12°53	11°38	24°35	13°29	9°13	17° 5	23°23	22°43	0♒ 6	26°50	W26
T 27	12 43 44	12°50'01	3♓47	17°10	25°48	13°29	11°52	24°41	13°32	9°14	17° 5	23°25	22°39	0°12	26°48	T 27
F 28	12 47 41	13°48'42	16° 2	16°30	27° 2	14° 4	12° 7	24°46	13°35	9°14	17° 6	23°26	22°36	0°19	26°45	F 28
S 29	12 51 37	14°47'20	28°31	15°48	28°16	14°40	12°21	24°52	13°38	9°14	17° 7	23°R26	22°33	0°26	26°43	S 29
S 30	12 55 34	15°45'57	11♈16	15° 6	29°30	15°16	12°36	24°57	13°41	9°14	17° 8	23°25	22°30	0°32	26°40	S 30
M31	12 59 31	16♈44'32	24♈17	14♈23	0♉44	15♊52	12♈50	25♒ 3	13♓44	9♊14	17♊ 8	23♓23	22♓27	0♒39	26♏38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 4	4s18	0s19	1n 7	0n32	3s46	1s19	21n14	1n25	1n13	1s 8	15s27	1s16	7s44	0s44	22s28	0n47	16n37	6s18	2s38	2s23	25s 1	17s12	2n30
S 2	4 41	1n43	0n50	2 1	0 45	3 15	1 18	21 21	1 25	1 19	1 8	15 25	1 16	7 43	0 44	22 28	0 47	16 38	6 18	2 38	2 24	24 59	17 12	2 31
M 3	4 18	7 45	1 57	2 54	0 57	2 45	1 17	21 29	1 25	1 25	1 7	15 23	1 16	7 41	0 44	22 28	0 47	16 38	6 18	2 38	2 25	24 57	17 11	2 31
T 4	3 54	13 35	3 0	3 44	1 10	2 14	1 16	21 37	1 25	1 31	1 7	15 21	1 16	7 40	0 44	22 28	0 47	16 38	6 18	2 38	2 27	24 55	17 11	2 32
W 5	3 31	18 55	3 55	4 34	1 22	1 43	1 15	21 45	1 26	1 36	1 7	15 19	1 16	7 39	0 44	22 28	0 47	16 38	6 18	2 37	2 28	24 54	17 10	2 32
T 6	3 7	23 26	4 38	5 20	1 35	1 12	1 14	21 52	1 26	1 42	1 7	15 16	1 16	7 37	0 44	22 27	0 47	16 39	6 17	2 37	2 29	24 52	17 10	2 33
F 7	2 44	26 47	5 6	6 5	1 47	0 41	1 13	21 59	1 26	1 48	1 7	15 14	1 16	7 36	0 44	22 27	0 47	16 39	6 17	2 37	2 30	24 50	17 9	2 33
S 8	2 20	28 34	5 17	6 47	1 59	0 11	1 12	22 7	1 26	1 53	1 7	15 12	1 16	7 35	0 44	22 27	0 47	16 39	6 17	2 37	2 32	24 48	17 9	2 34
S 9	1 56	28 34	5 10	7 26	2 10	0n20	1 10	22 14	1 26	1 59	1 7	15 10	1 16	7 34	0 44	22 27	0 47	16 39	6 17	2 37	2 33	24 46	17 8	2 34
M10	1 33	26 40	4 43	8 3	2 21	0 51	1 9	22 21	1 26	2 5	1 7	15 8	1 17	7 32	0 44	22 27	0 47	16 39	6 17	2 37	2 34	24 44	17 7	2 35
T 11	1 9	23 0	3 58	8 36	2 31	1 22	1 7	22 27	1 26	2 11	1 7	15 6	1 17	7 31	0 44	22 27	0 47	16 40	6 16	2 37	2 35	24 42	17 7	2 35
W12	0 45	17 53	2 58	9 6	2 40	1 53	1 6	22 34	1 26	2 16	1 7	15 4	1 17	7 30	0 44	22 27	0 47	16 40	6 16	2 37	2 37	24 40	17 6	2 36
T 13	0 22	11 44	1 46	9 32	2 49	2 24	1 4	22 41	1 26	2 22	1 7	15 2	1 17	7 28	0 44	22 27	0 47	16 40	6 16	2 37	2 38	24 39	17 5	2 36
F 14	0n 2	4 59	0 27	9 55	2 56	2 55	1 3	22 47	1 26	2 28	1 7	15 0	1 17	7 27	0 44	22 27	0 47	16 40	6 16	2 37	2 39	24 37	17 5	2 37
S 15	0 25	1s56	0s52	10 14	3 3	3 26	1 1	22 53	1 26	2 33	1 7	14 58	1 17	7 26	0 44	22 27	0 47	16 41	6 16	2 37	2 41	24 35	17 4	2 37
S 16	0 49	8 38	2 7	10 29	3 8	3 56	0 59	22 59	1 26	2 39	1 7	14 56	1 17	7 25	0 44	22 27	0 47	16 41	6 15	2 37	2 42	24 33	17 3	2 38
M17	1 13	14 45	3 12	10 40	3 13	4 27	0 58	23 5	1 26	2 45	1 7	14 54	1 18	7 23	0 44	22 27	0 47	16 41	6 15	2 37	2 43	24 31	17 2	2 38
T 18	1 36	20 1	4 5	10 48	3 16	4 57	0 56	23 11	1 26	2 51	1 7	14 52	1 18	7 22	0 44	22 27	0 47	16 41	6 15	2 38	2 44	24 29	17 1	2 39
W19	2 0	24 11	4 44	10 52	3 17	5 28	0 54	23 17	1 26	2 56	1 7	14 51	1 18	7 21	0 44	22 27	0 47	16 41	6 15	2 38	2 46	24 27	17 1	2 39
T 20	2 23	27 4	5 7	10 51	3 17	5 58	0 52	23 22	1 26	3 2	1 7	14 49	1 18	7 20	0 44	22 27	0 47	16 42	6 15	2 39	2 47	24 25	17 0	2 40
F 21	2 46	28 34	5 16	10 47	3 16	6 28	0 50	23 28	1 26	3 8	1 7	14 47	1 18	7 18	0 44	22 26	0 47	16 42	6 15	2 39	2 48	24 23	16 59	2 40
S 22	3 10	28 40	5 11	10 39	3 13	6 58	0 48	23 33	1 26	3 13	1 7	14 45	1 18	7 17	0 44	22 26	0 47	16 42	6 14	2 40	2 49	24 21	16 58	2 41
S 23	3 33	27 24	4 52	10 28	3 8	7 28	0 46	23 38	1 26	3 19	1 7	14 43	1 18	7 16	0 44	22 26	0 47	16 42	6 14	2 40	2 51	24 19	16 57	2 41
M24	3 56	24 55	4 20	10 13	3 2	7 58	0 44	23 43	1 26	3 25	1 6	14 41	1 19	7 15	0 44	22 26	0 47	16 43	6 14	2 39	2 52	24 17	16 56	2 42
T 25	4 19	21 23	3 38	9 55	2 55	8 27	0 42	23 48	1 26	3 30	1 6	14 39	1 19	7 14	0 44	22 26	0 47	16 43	6 14	2 39	2 53	24 15	16 55	2 42
W26	4 42	16 57	2 46	9 34	2 46	8 57	0 40	23 53	1 26	3 36	1 6	14 38	1 19	7 12	0 44	22 26	0 48	16 43	6 14	2 38	2 54	24 13	16 54	2 43
T 27	5 5	11 49	1 46	9 10	2 35	9 26	0 38	23 57	1 26	3 42	1 6	14 36	1 19	7 11	0 44	22 26	0 48	16 43	6 13	2 38	2 56	24 11	16 53	2 43
F 28	5 28	6 10	0 41	8 44	2 24	9 55	0 35	24 1	1 26	3 47	1 6	14 34	1 19	7 10	0 44	22 26	0 48	16 44	6 13	2 37	2 57	24 9	16 52	2 44
S 29	5 51	0 10	0n28	8 15	2 11	10 23	0 33	24 6	1 26	3 53	1 6	14 32	1 19	7 9	0 44	22 26	0 48	16 44	6 13	2 37	2 58	24 7	16 51	2 44
S 30	6 14	5n57	1 37	7 46	1 57	10 52	0 31	24 10	1 26	3 59	1 6	14 31	1 20	7 8	0 44	22 26	0 48	16 44	6 13	2 38	2 59	24 5	16 50	2 44
M31	6n37	11n57	2n42	7n15	1n42	11n20	0s29	24n14	1n26	4n 4	1s 6	14s29	1s20	7s 7	0s44	22s26	0n48	16n44	6s13	2s38	3s 1	24s 3	16s49	2n45

Julian Day Number = 2148094.5, Delta T = 14m31s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'22, Lahiri = 12°16'22 Julian Calendar 1 March 1169 == Greg. Calendar 8 March 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

APRIL 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 3 27	17♈43'05	7♉34	13°R40	1♉58	16♊28	13♈ 4	25♒ 8	13♓47	9♑15	17♊ 9	23°R20	22♓23	0♒46	26°R35	T 1
W 2	13 7 24	18°41'35	21° 6	12♈59	3°12	17° 4	13°19	25°14	13°50	9°15	17°10	23♓16	22°20	0°52	26♏32	W 2
T 3	13 11 20	19°40'04	4♊50	12°19	4°26	17°39	13°33	25°19	13°53	9°15	17°11	23°12	22°17	0°59	26°29	T 3
F 4	13 15 17	20°38'31	18°44	11°43	5°39	18°15	13°48	25°24	13°56	9°R15	17°12	23° 9	22°14	1° 6	26°26	F 4
S 5	13 19 13	21°36'56	2♋47	11° 9	6°53	18°51	14° 2	25°29	13°59	9°15	17°13	23° 6	22°11	1°13	26°23	S 5
S 6	13 23 10	22°35'18	16°55	10°39	8° 7	19°27	14°16	25°34	14° 1	9°15	17°13	23°D 5	22° 8	1°19	26°20	S 6
M 7	13 27 6	23°33'39	1♌ 6	10°13	9°21	20° 3	14°31	25°39	14° 4	9°15	17°14	23° 5	22° 4	1°26	26°17	M 7
T 8	13 31 3	24°31'57	15°19	9°51	10°34	20°39	14°45	25°44	14° 7	9°15	17°15	23° 6	22° 1	1°33	26°13	T 8
W 9	13 35 0	25°30'13	29°31	9°34	11°48	21°15	14°59	25°49	14°10	9°14	17°16	23° 8	21°58	1°39	26°10	W 9
T 10	13 38 56	26°28'26	13♍40	9°21	13° 2	21°51	15°14	25°54	14°13	9°14	17°17	23° 9	21°55	1°46	26° 7	T 10
F 11	13 42 53	27°26'38	27°43	9°13	14°15	22°28	15°28	25°58	14°15	9°14	17°18	23°R 9	21°52	1°53	26° 3	F 11
S 12	13 46 49	28°24'48	11♎38	9°D10	15°29	23° 4	15°42	26° 3	14°18	9°14	17°19	23° 8	21°49	1°59	26° 0	S 12
S 13	13 50 46	29°22'56	25°22	9°12	16°43	23°40	15°56	26° 8	14°21	9°13	17°20	23° 5	21°45	2° 6	25°56	S 13
M14	13 54 42	0♉21'02	8♏51	9°19	17°56	24°16	16°10	26°12	14°23	9°13	17°21	23° 0	21°42	2°13	25°52	M14
T 15	13 58 39	1°19'06	22° 3	9°31	19°10	24°52	16°25	26°17	14°26	9°13	17°22	22°54	21°39	2°19	25°49	T 15
W16	14 2 35	2°17'10	4♐57	9°47	20°23	25°28	16°39	26°21	14°29	9°12	17°23	22°47	21°36	2°26	25°45	W16
T 17	14 6 32	3°15'11	17°34	10° 7	21°36	26° 4	16°53	26°25	14°31	9°12	17°24	22°41	21°33	2°33	25°41	T 17
F 18	14 10 29	4°13'11	29°55	10°32	22°50	26°41	17° 7	26°29	14°34	9°12	17°25	22°35	21°29	2°39	25°37	F 18
S 19	14 14 25	5°11'10	12♑ 2	11° 2	24° 3	27°17	17°21	26°33	14°36	9°11	17°27	22°30	21°26	2°46	25°33	S 19
S 20	14 18 22	6° 9'07	23°59	11°35	25°17	27°53	17°35	26°37	14°39	9°11	17°28	22°28	21°23	2°53	25°29	S 20
M21	14 22 18	7° 7'03	5♒51	12°12	26°30	28°29	17°49	26°41	14°41	9°10	17°29	22°D27	21°20	3° 0	25°25	M21
T 22	14 26 15	8° 4'57	17°42	12°54	27°43	29° 6	18° 3	26°45	14°43	9°10	17°30	22°27	21°17	3° 6	25°21	T 22
W23	14 30 11	9° 2'51	29°38	13°38	28°57	29°42	18°17	26°49	14°46	9° 9	17°31	22°28	21°14	3°13	25°17	W23
T 24	14 34 8	10° 0'42	11♓43	14°27	0♊10	0♋18	18°31	26°53	14°48	9° 9	17°32	22°30	21°10	3°20	25°13	T 24
F 25	14 38 4	10°58'33	24° 3	15°19	1°23	0°55	18°45	26°56	14°50	9° 8	17°34	22°R30	21° 7	3°26	25° 9	F 25
S 26	14 42 1	11°56'22	6♈41	16°14	2°36	1°31	18°59	27° 0	14°52	9° 7	17°35	22°29	21° 4	3°33	25° 5	S 26
S 27	14 45 58	12°54'10	19°39	17°12	3°50	2° 7	19°12	27° 3	14°55	9° 7	17°36	22°26	21° 1	3°40	25° 1	S 27
M28	14 49 54	13°51'57	2♉59	18°13	5° 3	2°44	19°26	27° 7	14°57	9° 6	17°37	22°21	20°58	3°46	24°57	M28
T 29	14 53 51	14°49'42	16°39	19°18	6°16	3°20	19°40	27°10	14°59	9° 5	17°38	22°14	20°55	3°53	24°52	T 29
W30	14 57 47	15♉47'26	0♊37	20♈25	7♊29	3♋56	19♈53	27♒13	15♓ 1	9♑ 4	17♊40	22♓ 5	20♓51	4♒ 0	24♏48	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n59	17n33	3n39	6n44	1n26	11n48	0s26	24n17	1n26	4n10	1s 6	14s27	1s20	7s 5	0s44	22s26	0n48	16n45	6s13	2s40	3s 2	24s 1	16s48	2n45
W 2	7 21	22 23	4 25	6 13	1 10	12 16	0 24	24 21	1 26	4 16	1 6	14 26	1 20	7 4	0 44	22 26	0 48	16 45	6 12	2 41	3 3	23 59	16 47	2 46
T 3	7 44	26 4	4 57	5 43	0 53	12 43	0 22	24 24	1 26	4 21	1 6	14 24	1 20	7 3	0 44	22 26	0 48	16 45	6 12	2 43	3 4	23 57	16 46	2 46
F 4	8 6	28 15	5 12	5 13	0 37	13 10	0 19	24 27	1 26	4 27	1 6	14 22	1 20	7 2	0 44	22 26	0 48	16 45	6 12	2 44	3 6	23 55	16 45	2 47
S 5	8 28	28 40	5 9	4 44	0 20	13 37	0 17	24 31	1 26	4 32	1 6	14 21	1 21	7 1	0 44	22 26	0 48	16 46	6 12	2 45	3 7	23 53	16 43	2 47
S 6	8 50	27 13	4 47	4 17	0 3	14 3	0 14	24 33	1 26	4 38	1 6	14 19	1 21	7 0	0 44	22 26	0 48	16 46	6 12	2 45	3 8	23 51	16 42	2 48
M 7	9 11	24 1	4 7	3 51	0s13	14 29	0 12	24 36	1 26	4 44	1 6	14 18	1 21	6 59	0 45	22 26	0 48	16 46	6 12	2 45	3 10	23 49	16 41	2 48
T 8	9 33	19 23	3 12	3 28	0 29	14 55	0 9	24 39	1 26	4 49	1 6	14 16	1 21	6 58	0 45	22 26	0 48	16 46	6 11	2 45	3 11	23 47	16 40	2 48
W 9	9 54	13 39	2 6	3 7	0 45	15 20	0 7	24 41	1 26	4 55	1 6	14 15	1 21	6 57	0 45	22 26	0 48	16 47	6 11	2 44	3 12	23 45	16 39	2 49
T 10	10 16	7 15	0 52	2 48	1 0	15 45	0 4	24 44	1 26	5 0	1 6	14 13	1 21	6 56	0 45	22 26	0 48	16 47	6 11	2 44	3 13	23 43	16 38	2 49
F 11	10 37	0 32	0s25	2 32	1 14	16 10	0 2	24 46	1 26	5 6	1 6	14 12	1 22	6 55	0 45	22 26	0 48	16 47	6 11	2 44	3 15	23 41	16 36	2 50
S 12	10 58	6s 8	1 39	2 18	1 28	16 34	0n 1	24 48	1 26	5 11	1 6	14 10	1 22	6 54	0 45	22 26	0 48	16 47	6 11	2 44	3 16	23 38	16 35	2 50
S 13	11 18	12 26	2 46	2 7	1 41	16 58	0 3	24 49	1 26	5 17	1 6	14 9	1 22	6 53	0 45	22 26	0 48	16 48	6 11	2 46	3 17	23 36	16 34	2 50
M14	11 39	18 2	3 43	1 59	1 53	17 21	0 6	24 51	1 26	5 22	1 6	14 8	1 22	6 52	0 45	22 26	0 48	16 48	6 11	2 48	3 18	23 34	16 33	2 51
T 15	11 59	22 39	4 26	1 53	2 4	17 44	0 9	24 52	1 25	5 28	1 6	14 6	1 22	6 51	0 45	22 26	0 48	16 48	6 10	2 50	3 20	23 32	16 32	2 51
W16	12 19	26 3	4 55	1 50	2 14	18 6	0 11	24 54	1 25	5 33	1 6	14 5	1 23	6 50	0 45	22 26	0 48	16 48	6 10	2 53	3 21	23 30	16 30	2 52
T 17	12 39	28 5	5 8	1 50	2 23	18 28	0 14	24 55	1 25	5 38	1 6	14 4	1 23	6 49	0 45	22 26	0 48	16 49	6 10	2 55	3 22	23 28	16 29	2 52
F 18	12 59	28 40	5 7	1 52	2 32	18 50	0 16	24 56	1 25	5 44	1 7	14 3	1 23	6 48	0 45	22 26	0 48	16 49	6 10	2 57	3 23	23 26	16 28	2 52
S 19	13 19	27 51	4 52	1 56	2 40	19 11	0 19	24 56	1 25	5 49	1 7	14 1	1 23	6 47	0 45	22 26	0 48	16 49	6 10	2 59	3 25	23 24	16 26	2 53
S 20	13 38	25 45	4 24	2 3	2 47	19 31	0 21	24 57	1 25	5 54	1 7	14 0	1 23	6 46	0 45	22 26	0 48	16 49	6 10	3 0	3 26	23 21	16 25	2 53
M21	13 57	22 32	3 45	2 12	2 53	19 51	0 24	24 57	1 25	6 0	1 7	13 59	1 24	6 45	0 45	22 26	0 48	16 50	6 9	3 1	3 27	23 19	16 24	2 53
T 22	14 16	18 24	2 57	2 23	2 58	20 10	0 27	24 58	1 25	6 5	1 7	13 58	1 24	6 44	0 45	22 26	0 48	16 50	6 9	3 0	3 28	23 17	16 23	2 54
W23	14 35	13 32	2 0	2 36	3 2	20 29	0 29	24 58	1 25	6 10	1 7	13 57	1 24	6 43	0 45	22 26	0 48	16 50	6 9	3 0	3 30	23 15	16 21	2 54
T 24	14 53	8 5	0 58	2 52	3 6	20 48	0 32	24 58	1 25	6 16	1 7	13 56	1 24	6 42	0 45	22 26	0 48	16 50	6 9	2 59	3 31	23 13	16 20	2 55
F 25	15 11	2 15	0n 8	3 9	3 9	21 5	0 34	24 57	1 24	6 21	1 7	13 55	1 24	6 41	0 45	22 26	0 48	16 50	6 9	2 59	3 32	23 11	16 19	2 55
S 26	15 29	3n49	1 16	3 28	3 11	21 23	0 37	24 57	1 24	6 26	1 7	13 53	1 24	6 41	0 45	22 26	0 48	16 51	6 9	3 0	3 33	23 8	16 17	2 55
S 27	15 47	9 53	2 21	3 50	3 12	21 39	0 39	24 56	1 24	6 31	1 7	13 52	1 25	6 40	0 45	22 26	0 48	16 51	6 9	3 1	3 35	23 6	16 16	2 56
M28	16 4	15 41	3 20	4 12	3 13	21 55	0 42	24 55	1 24	6 36	1 7	13 52	1 25	6 39	0 45	22 26	0 48	16 51	6 9	3 3	3 36	23 4	16 15	2 56
T 29	16 22	20 52	4 9	4 37	3 13	22 11	0 44	24 54	1 24	6 42	1 7	13 51	1 25	6 38	0 45	22 26	0 48	16 51	6 8	3 6	3 37	23 2	16 13	2 56
W30	16n39	25n 0	4n44	5n 3	3s12	22n25	0n47	24n53	1n24	6n47	1s 7	13s50	1s25	6s37	0s45	22s26	0n48	16n52	6s 8	3s 9	3s38	23s 0	16s12	2n56

Julian Day Number = 2148125.5, Delta T = 14m30s
Ecliptic obliquity = 23°32'59, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'26, Lahiri = 12°16'27 Julian Calendar 1 Apr. 1169 == Greg. Calendar 8 Apr. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

MAY 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 1 44	16♉45'09	14♊49	21♈35	8♊42	4♋33	20♈ 7	27♒16	15♓ 3	9°R 3	17♊41	21°R57	20♓48	4♒ 6	24°R44	T 1
F 2	15 5 40	17°42'50	29° 9	22°48	9°55	5° 9	20°21	27°19	15° 5	9♑ 3	17°42	21♓49	20°45	4°13	24♏39	F 2
S 3	15 9 37	18°40'30	13♋32	24° 3	11° 8	5°46	20°34	27°22	15° 7	9° 2	17°43	21°42	20°42	4°20	24°35	S 3
S 4	15 13 33	19°38'08	27°53	25°21	12°21	6°22	20°48	27°25	15° 9	9° 1	17°45	21°38	20°39	4°27	24°31	S 4
M 5	15 17 30	20°35'45	12♌ 8	26°42	13°34	6°59	21° 1	27°28	15°11	9° 0	17°46	21°36	20°35	4°33	24°26	M 5
T 6	15 21 27	21°33'19	26°15	28° 6	14°47	7°35	21°14	27°30	15°13	8°59	17°47	21°D36	20°32	4°40	24°22	T 6
W 7	15 25 23	22°30'53	10♍14	29°31	16° 0	8°12	21°28	27°33	15°14	8°58	17°49	21°37	20°29	4°47	24°18	W 7
T 8	15 29 20	23°28'25	24° 3	1♉ 0	17°13	8°48	21°41	27°35	15°16	8°57	17°50	21°R37	20°26	4°53	24°13	T 8
F 9	15 33 16	24°25'55	7♎43	2°31	18°26	9°25	21°54	27°38	15°18	8°56	17°51	21°36	20°23	5° 0	24° 9	F 9
S 10	15 37 13	25°23'24	21°13	4° 4	19°38	10° 2	22° 7	27°40	15°19	8°55	17°53	21°33	20°20	5° 7	24° 5	S 10
S 11	15 41 9	26°20'52	4♏32	5°40	20°51	10°38	22°21	27°42	15°21	8°54	17°54	21°27	20°16	5°13	24° 0	S 11
M12	15 45 6	27°18'19	17°40	7°18	22° 4	11°15	22°34	27°44	15°23	8°53	17°55	21°18	20°13	5°20	23°56	M12
T 13	15 49 2	28°15'44	0♐35	8°58	23°17	11°51	22°47	27°46	15°24	8°52	17°57	21° 8	20°10	5°27	23°52	T 13
W14	15 52 59	29°13'09	13°16	10°41	24°29	12°28	23° 0	27°48	15°26	8°51	17°58	20°56	20° 7	5°33	23°47	W14
T 15	15 56 56	0♊10'33	25°44	12°27	25°42	13° 5	23°12	27°50	15°27	8°49	17°59	20°44	20° 4	5°40	23°43	T 15
F 16	16 0 52	1° 7'56	7♑59	14°15	26°54	13°41	23°25	27°52	15°29	8°48	18° 1	20°34	20° 1	5°47	23°39	F 16
S 17	16 4 49	2° 5'18	20° 3	16° 5	28° 7	14°18	23°38	27°53	15°30	8°47	18° 2	20°25	19°57	5°53	23°34	S 17
S 18	16 8 45	3° 2'39	1♒58	17°58	29°20	14°55	23°51	27°55	15°31	8°46	18° 4	20°19	19°54	6° 0	23°30	S 18
M19	16 12 42	4° 0'00	13°49	19°52	0♋32	15°31	24° 3	27°56	15°32	8°45	18° 5	20°15	19°51	6° 7	23°26	M19
T 20	16 16 38	4°57'20	25°39	21°50	1°45	16° 8	24°16	27°58	15°34	8°43	18° 6	20°13	19°48	6°13	23°22	T 20
W21	16 20 35	5°54'40	7♓33	23°49	2°57	16°45	24°28	27°59	15°35	8°42	18° 8	20°D12	19°45	6°20	23°18	W21
T 22	16 24 31	6°51'59	19°38	25°50	4° 9	17°22	24°41	28° 0	15°36	8°41	18° 9	20°R13	19°41	6°27	23°13	T 22
F 23	16 28 28	7°49'18	1♈59	27°54	5°22	17°58	24°53	28° 1	15°37	8°39	18°11	20°12	19°38	6°34	23° 9	F 23
S 24	16 32 25	8°46'36	14°39	29°59	6°34	18°35	25° 6	28° 2	15°38	8°38	18°12	20°10	19°35	6°40	23° 5	S 24
S 25	16 36 21	9°43'54	27°44	2♊ 6	7°46	19°12	25°18	28° 3	15°39	8°37	18°14	20° 6	19°32	6°47	23° 1	S 25
M26	16 40 18	10°41'11	11♉15	4°14	8°59	19°49	25°30	28° 3	15°40	8°35	18°15	19°59	19°29	6°54	22°57	M26
T 27	16 44 14	11°38'28	25°11	6°23	10°11	20°26	25°42	28° 4	15°41	8°34	18°16	19°50	19°26	7° 0	22°53	T 27
W28	16 48 11	12°35'44	9♊30	8°34	11°23	21° 2	25°54	28° 5	15°42	8°33	18°18	19°39	19°22	7° 7	22°49	W28
T 29	16 52 7	13°33'00	24° 6	10°45	12°35	21°39	26° 6	28° 5	15°43	8°31	18°19	19°28	19°19	7°14	22°45	T 29
F 30	16 56 4	14°30'16	8♋51	12°56	13°47	22°16	26°18	28° 5	15°43	8°30	18°21	19°17	19°16	7°20	22°42	F 30
S 31	17 0 1	15♊27'31	23♋38	15♊ 8	14♋59	22♋53	26♈29	28♒ 6	15♓44	8♑28	18♊22	19♓ 8	19♓13	7♒27	22♏38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n55	27n42	5n 3	5n30	3s11	22n40	0n49	24n52	1n24	6n52	1s 7	13s49	1s26	6s37	0s45	22s26	0n48	16n52	6s 8	3s13	3s40	22s57	16s11	2n57
F 2	17 12	28 36	5 3	5 59	3 8	22 53	0 51	24 50	1 24	6 57	1 7	13 48	1 26	6 36	0 45	22 26	0 48	16 52	6 8	3 16	3 41	22 55	16 9	2 57
S 3	17 28	27 34	4 44	6 30	3 6	23 6	0 54	24 49	1 23	7 2	1 7	13 47	1 26	6 35	0 45	22 26	0 48	16 52	6 8	3 18	3 42	22 53	16 8	2 57
S 4	17 43	24 43	4 7	7 1	3 2	23 18	0 56	24 47	1 23	7 7	1 7	13 46	1 26	6 34	0 45	22 27	0 48	16 53	6 8	3 20	3 43	22 51	16 7	2 58
M 5	17 59	20 21	3 15	7 34	2 58	23 30	0 58	24 45	1 23	7 12	1 7	13 46	1 26	6 34	0 45	22 27	0 48	16 53	6 8	3 21	3 45	22 49	16 6	2 58
T 6	18 14	14 53	2 11	8 8	2 54	23 41	1 1	24 43	1 23	7 17	1 7	13 45	1 27	6 33	0 45	22 27	0 48	16 53	6 8	3 21	3 46	22 46	16 4	2 58
W 7	18 29	8 42	1 0	8 44	2 48	23 51	1 3	24 40	1 23	7 22	1 7	13 44	1 27	6 32	0 45	22 27	0 48	16 53	6 8	3 20	3 47	22 44	16 3	2 58
T 8	18 44	2 10	0s13	9 20	2 43	24 1	1 5	24 38	1 23	7 27	1 7	13 44	1 27	6 32	0 45	22 27	0 48	16 53	6 7	3 20	3 48	22 42	16 2	2 59
F 9	18 58	4s22	1 25	9 57	2 36	24 10	1 7	24 35	1 23	7 32	1 8	13 43	1 27	6 31	0 45	22 27	0 48	16 54	6 7	3 21	3 50	22 40	16 0	2 59
S 10	19 12	10 38	2 31	10 35	2 30	24 18	1 9	24 32	1 22	7 37	1 8	13 42	1 27	6 30	0 45	22 27	0 48	16 54	6 7	3 22	3 51	22 37	15 59	2 59
S 11	19 26	16 21	3 28	11 14	2 22	24 25	1 12	24 29	1 22	7 41	1 8	13 42	1 28	6 30	0 46	22 27	0 48	16 54	6 7	3 24	3 52	22 35	15 58	2 59
M12	19 39	21 12	4 12	11 53	2 15	24 32	1 14	24 26	1 22	7 46	1 8	13 41	1 28	6 29	0 46	22 27	0 48	16 54	6 7	3 28	3 53	22 33	15 56	3 0
T 13	19 52	24 59	4 43	12 34	2 6	24 38	1 16	24 23	1 22	7 51	1 8	13 41	1 28	6 29	0 46	22 27	0 48	16 55	6 7	3 32	3 55	22 30	15 55	3 0
W14	20 5	27 27	4 59	13 14	1 58	24 44	1 18	24 19	1 22	7 56	1 8	13 40	1 28	6 28	0 46	22 27	0 48	16 55	6 7	3 37	3 56	22 28	15 54	3 0
T 15	20 17	28 29	5 1	13 55	1 49	24 48	1 20	24 15	1 22	8 0	1 8	13 40	1 29	6 28	0 46	22 27	0 48	16 55	6 7	3 41	3 57	22 26	15 53	3 0
F 16	20 29	28 6	4 48	14 37	1 39	24 52	1 21	24 12	1 22	8 5	1 8	13 39	1 29	6 27	0 46	22 27	0 48	16 55	6 7	3 45	3 58	22 24	15 51	3 1
S 17	20 40	26 23	4 23	15 18	1 29	24 55	1 23	24 8	1 21	8 10	1 8	13 39	1 29	6 27	0 46	22 27	0 48	16 55	6 7	3 49	4 0	22 21	15 50	3 1
S 18	20 52	23 29	3 47	16 0	1 19	24 58	1 25	24 3	1 21	8 14	1 8	13 39	1 29	6 26	0 46	22 27	0 48	16 56	6 6	3 51	4 1	22 19	15 49	3 1
M19	21 3	19 38	3 0	16 41	1 9	25 0	1 27	23 59	1 21	8 19	1 8	13 39	1 29	6 26	0 46	22 27	0 48	16 56	6 6	3 53	4 2	22 17	15 48	3 1
T 20	21 13	15 1	2 6	17 22	0 58	25 1	1 28	23 54	1 21	8 23	1 8	13 38	1 30	6 25	0 46	22 28	0 48	16 56	6 6	3 54	4 4	22 14	15 46	3 1
W21	21 24	9 48	1 7	18 3	0 47	25 1	1 30	23 50	1 21	8 28	1 8	13 38	1 30	6 25	0 46	22 28	0 48	16 56	6 6	3 54	4 5	22 12	15 45	3 1
T 22	21 33	4 10	0 3	18 43	0 36	25 1	1 32	23 45	1 20	8 32	1 9	13 38	1 30	6 24	0 46	22 28	0 48	16 56	6 6	3 54	4 6	22 10	15 44	3 2
F 23	21 43	1n44	1n 2	19 22	0 25	24 59	1 33	23 40	1 20	8 37	1 9	13 38	1 30	6 24	0 46	22 28	0 48	16 57	6 6	3 54	4 7	22 7	15 43	3 2
S 24	21 52	7 44	2 6	20 0	0 14	24 58	1 35	23 35	1 20	8 41	1 9	13 38	1 31	6 24	0 46	22 28	0 48	16 57	6 6	3 55	4 9	22 5	15 42	3 2
S 25	22 1	13 35	3 5	20 37	0 3	24 55	1 36	23 29	1 20	8 46	1 9	13 38	1 31	6 23	0 46	22 28	0 48	16 57	6 6	3 56	4 10	22 3	15 40	3 2
M26	22 9	19 0	3 55	21 13	0n 7	24 52	1 37	23 24	1 20	8 50	1 9	13 37	1 31	6 23	0 46	22 28	0 48	16 57	6 6	3 59	4 11	22 0	15 39	3 2
T 27	22 17	23 34	4 34	21 46	0 18	24 48	1 38	23 18	1 20	8 54	1 9	13 37	1 31	6 23	0 46	22 28	0 48	16 57	6 6	4 3	4 12	21 58	15 38	3 2
W28	22 25	26 51	4 56	22 18	0 28	24 43	1 40	23 12	1 19	8 59	1 9	13 38	1 31	6 22	0 46	22 28	0 48	16 58	6 6	4 7	4 14	21 56	15 37	3 3
T 29	22 32	28 24	4 59	22 47	0 38	24 37	1 41	23 6	1 19	9 3	1 9	13 38	1 32	6 22	0 46	22 28	0 48	16 58	6 6	4 12	4 15	21 53	15 36	3 3
F 30	22 39	27 58	4 43	23 15	0 48	24 31	1 42	23 0	1 19	9 7	1 9	13 38	1 32	6 22	0 46	22 28	0 48	16 58	6 6	4 16	4 16	21 51	15 35	3 3
S 31	22n45	25n33	4n 8	23n40	0n57	24n24	1n43	22n53	1n19	9n11	1s10	13s38	1s32	6s22	0s46	22s28	0n48	16n58	6s 6	4s19	4s17	21s49	15s34	3n 3

Julian Day Number = 2148155.5, Delta T = 14m30s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'30, Lahiri = 12°16'31 Julian Calendar 1 May 1169 == Greg. Calendar 8 May 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

JUNE 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 57	16♊24'45	8♌19	17♊19	16♋11	23♋30	26♈41	28♒ 6	15♓45	8°R27	18♊24	19°R 3	19♓10	7♒34	22°R34	S 1
M 2	17 7 54	17°21'58	22°48	19°31	17°23	24° 7	26°53	28°R 6	15°45	8♑25	18°25	18♓59	19° 7	7°40	22♏30	M 2
T 3	17 11 50	18°19'11	7♍ 1	21°41	18°35	24°44	27° 4	28° 6	15°46	8°24	18°27	18°58	19° 3	7°47	22°27	T 3
W 4	17 15 47	19°16'22	20°58	23°51	19°47	25°21	27°15	28° 6	15°46	8°22	18°28	18°58	19° 0	7°54	22°23	W 4
T 5	17 19 43	20°13'34	4♎39	25°59	20°59	25°58	27°27	28° 5	15°47	8°21	18°29	18°58	18°57	8° 0	22°20	T 5
F 6	17 23 40	21°10'44	18° 4	28° 7	22°11	26°35	27°38	28° 5	15°47	8°19	18°31	18°56	18°54	8° 7	22°16	F 6
S 7	17 27 36	22° 7'55	1♏16	0♋12	23°23	27°12	27°49	28° 4	15°48	8°18	18°32	18°52	18°51	8°14	22°13	S 7
S 8	17 31 33	23° 5'04	14°15	2°17	24°34	27°49	28° 0	28° 4	15°48	8°16	18°34	18°45	18°47	8°20	22° 9	S 8
M 9	17 35 30	24° 2'14	27° 3	4°19	25°46	28°26	28°11	28° 3	15°48	8°15	18°35	18°35	18°44	8°27	22° 6	M 9
T 10	17 39 26	24°59'23	9♐39	6°20	26°58	29° 3	28°22	28° 2	15°48	8°13	18°37	18°24	18°41	8°34	22° 3	T 10
W11	17 43 23	25°56'32	22° 5	8°19	28° 9	29°40	28°32	28° 2	15°49	8°12	18°38	18°11	18°38	8°40	22° 0	W11
T 12	17 47 19	26°53'41	4♑21	10°16	29°21	0♌17	28°43	28° 1	15°49	8°10	18°39	17°58	18°35	8°47	21°57	T 12
F 13	17 51 16	27°50'50	16°27	12°11	0♌32	0°54	28°54	28° 0	15°49	8° 8	18°41	17°46	18°32	8°54	21°54	F 13
S 14	17 55 12	28°47'59	28°25	14° 4	1°44	1°32	29° 4	27°58	15°R49	8° 7	18°42	17°35	18°28	9° 0	21°51	S 14
S 15	17 59 9	29°45'08	10♒16	15°55	2°55	2° 9	29°14	27°57	15°49	8° 5	18°44	17°28	18°25	9° 7	21°48	S 15
M16	18 3 5	0♋42'17	22° 5	17°44	4° 6	2°46	29°24	27°56	15°49	8° 4	18°45	17°23	18°22	9°14	21°45	M16
T 17	18 7 2	1°39'26	3♓54	19°31	5°18	3°23	29°35	27°54	15°49	8° 2	18°47	17°20	18°19	9°21	21°43	T 17
W18	18 10 59	2°36'36	15°48	21°16	6°29	4° 0	29°44	27°53	15°48	8° 0	18°48	17°D20	18°16	9°27	21°40	W18
T 19	18 14 55	3°33'46	27°51	22°59	7°40	4°37	29°54	27°51	15°48	7°59	18°49	17°R20	18°13	9°34	21°37	T 19
F 20	18 18 52	4°30'57	10♈10	24°39	8°51	5°15	0♉ 4	27°50	15°48	7°57	18°51	17°20	18° 9	9°41	21°35	F 20
S 21	18 22 48	5°28'07	22°49	26°18	10° 2	5°52	0°14	27°48	15°48	7°56	18°52	17°19	18° 6	9°47	21°33	S 21
S 22	18 26 45	6°25'19	5♉53	27°55	11°13	6°29	0°23	27°46	15°47	7°54	18°54	17°15	18° 3	9°54	21°30	S 22
M23	18 30 41	7°22'31	19°25	29°30	12°24	7° 7	0°33	27°44	15°47	7°52	18°55	17°10	18° 0	10° 1	21°28	M23
T 24	18 34 38	8°19'44	3♊26	1♌ 2	13°35	7°44	0°42	27°42	15°46	7°51	18°56	17° 2	17°57	10° 7	21°26	T 24
W25	18 38 34	9°16'57	17°54	2°33	14°46	8°21	0°51	27°40	15°46	7°49	18°58	16°53	17°53	10°14	21°24	W25
T 26	18 42 31	10°14'11	2♋44	4° 2	15°57	8°59	1° 0	27°37	15°45	7°47	18°59	16°43	17°50	10°21	21°22	T 26
F 27	18 46 28	11°11'25	17°47	5°28	17° 8	9°36	1° 9	27°35	15°45	7°46	19° 1	16°34	17°47	10°27	21°20	F 27
S 28	18 50 24	12° 8'40	2♌53	6°52	18°18	10°13	1°18	27°33	15°44	7°44	19° 2	16°26	17°44	10°34	21°18	S 28
S 29	18 54 21	13° 5'54	17°54	8°15	19°29	10°51	1°27	27°30	15°43	7°43	19° 3	16°21	17°41	10°41	21°17	S 29
M30	18 58 17	14♋ 3'10	2♍40	9♌35	20♌40	11♌28	1♉35	27♒28	15♓43	7♑41	19♊ 5	16♓18	17♓38	10♒47	21♏15	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n51	21n26	3n17	24n 2	1n 5	24n17	1n44	22n47	1n19	9n15	1s10	13s38	1s32	6s21	0s46	22s29	0n48	16n58	6s 5	4s21	4s19	21s46	15s33	3n 3
M 2	22 57	16 5	2 14	24 21	1 13	24 8	1 45	22 40	1 18	9 19	1 10	13 38	1 33	6 21	0 46	22 29	0 48	16 58	6 5	4 23	4 20	21 44	15 32	3 3
T 3	23 2	9 57	1 3	24 38	1 21	23 59	1 45	22 34	1 18	9 23	1 10	13 38	1 33	6 21	0 46	22 29	0 48	16 59	6 5	4 23	4 21	21 41	15 31	3 3
W 4	23 7	3 26	0s11	24 52	1 27	23 50	1 46	22 27	1 18	9 27	1 10	13 39	1 33	6 21	0 46	22 29	0 48	16 59	6 5	4 23	4 22	21 39	15 30	3 3
T 5	23 11	3s 6	1 22	25 3	1 33	23 40	1 47	22 19	1 18	9 31	1 10	13 39	1 33	6 21	0 46	22 29	0 48	16 59	6 5	4 23	4 24	21 37	15 29	3 3
F 6	23 15	9 23	2 27	25 11	1 39	23 29	1 47	22 12	1 17	9 35	1 10	13 39	1 33	6 21	0 46	22 29	0 48	16 59	6 5	4 24	4 25	21 34	15 28	3 3
S 7	23 19	15 9	3 23	25 16	1 43	23 17	1 48	22 5	1 17	9 39	1 10	13 40	1 34	6 20	0 47	22 29	0 48	16 59	6 5	4 26	4 26	21 32	15 27	3 4
S 8	23 22	20 8	4 8	25 19	1 47	23 5	1 48	21 57	1 17	9 43	1 10	13 40	1 34	6 20	0 47	22 29	0 48	16 59	6 5	4 28	4 27	21 29	15 26	3 4
M 9	23 25	24 7	4 39	25 19	1 50	22 52	1 48	21 49	1 17	9 47	1 11	13 41	1 34	6 20	0 47	22 29	0 48	17 0	6 5	4 32	4 29	21 27	15 25	3 4
T 10	23 27	26 53	4 57	25 16	1 53	22 38	1 49	21 41	1 17	9 50	1 11	13 41	1 34	6 20	0 47	22 29	0 48	17 0	6 5	4 37	4 30	21 24	15 24	3 4
W11	23 29	28 18	4 59	25 11	1 54	22 24	1 49	21 33	1 16	9 54	1 11	13 41	1 35	6 20	0 47	22 30	0 48	17 0	6 5	4 42	4 31	21 22	15 23	3 4
T 12	23 31	28 17	4 48	25 4	1 55	22 9	1 49	21 25	1 16	9 58	1 11	13 42	1 35	6 20	0 47	22 30	0 48	17 0	6 5	4 47	4 32	21 20	15 23	3 4
F 13	23 32	26 54	4 24	24 54	1 55	21 54	1 49	21 17	1 16	10 1	1 11	13 43	1 35	6 20	0 47	22 30	0 48	17 0	6 5	4 52	4 34	21 17	15 22	3 4
S 14	23 33	24 18	3 48	24 43	1 55	21 38	1 49	21 8	1 16	10 5	1 11	13 43	1 35	6 20	0 47	22 30	0 48	17 0	6 5	4 56	4 35	21 15	15 21	3 4
S 15	23 33	20 41	3 3	24 29	1 54	21 21	1 48	21 0	1 15	10 8	1 11	13 44	1 35	6 20	0 47	22 30	0 48	17 0	6 5	4 59	4 36	21 12	15 20	3 4
M16	23 33	16 15	2 10	24 13	1 52	21 4	1 48	20 51	1 15	10 12	1 12	13 45	1 36	6 20	0 47	22 30	0 48	17 1	6 5	5 0	4 37	21 10	15 20	3 4
T 17	23 32	11 13	1 11	23 56	1 50	20 46	1 48	20 42	1 15	10 15	1 12	13 45	1 36	6 20	0 47	22 30	0 48	17 1	6 5	5 1	4 38	21 7	15 19	3 4
W18	23 31	5 45	0 8	23 37	1 47	20 28	1 47	20 33	1 15	10 19	1 12	13 46	1 36	6 21	0 47	22 30	0 48	17 1	6 5	5 2	4 40	21 5	15 18	3 4
T 19	23 30	0 0	0n56	23 17	1 43	20 9	1 47	20 24	1 15	10 22	1 12	13 47	1 36	6 21	0 47	22 30	0 48	17 1	6 5	5 2	4 41	21 2	15 18	3 4
F 20	23 28	5n51	1 58	22 55	1 39	19 50	1 46	20 15	1 14	10 25	1 12	13 47	1 36	6 21	0 47	22 31	0 48	17 1	6 5	5 2	4 42	21 0	15 17	3 4
S 21	23 26	11 39	2 57	22 32	1 34	19 30	1 45	20 5	1 14	10 29	1 12	13 48	1 37	6 21	0 47	22 31	0 48	17 1	6 5	5 2	4 43	20 57	15 16	3 4
S 22	23 24	17 8	3 48	22 8	1 29	19 10	1 45	19 56	1 14	10 32	1 12	13 49	1 37	6 21	0 47	22 31	0 48	17 1	6 5	5 3	4 45	20 55	15 16	3 4
M23	23 21	21 58	4 28	21 43	1 23	18 49	1 44	19 46	1 14	10 35	1 13	13 50	1 37	6 21	0 47	22 31	0 48	17 1	6 5	5 6	4 46	20 52	15 15	3 4
T 24	23 17	25 45	4 54	21 16	1 17	18 28	1 43	19 36	1 13	10 38	1 13	13 51	1 37	6 22	0 47	22 31	0 48	17 2	6 5	5 9	4 47	20 50	15 15	3 4
W25	23 13	28 1	5 3	20 49	1 11	18 6	1 42	19 26	1 13	10 41	1 13	13 52	1 38	6 22	0 47	22 31	0 48	17 2	6 5	5 12	4 48	20 47	15 14	3 4
T 26	23 9	28 22	4 51	20 22	1 3	17 44	1 41	19 16	1 13	10 44	1 13	13 53	1 38	6 22	0 47	22 31	0 48	17 2	6 5	5 16	4 50	20 45	15 14	3 4
F 27	23 5	26 39	4 20	19 53	0 56	17 21	1 39	19 6	1 13	10 47	1 13	13 54	1 38	6 22	0 47	22 31	0 48	17 2	6 5	5 20	4 51	20 42	15 13	3 4
S 28	23 0	23 0	3 30	19 24	0 48	16 58	1 38	18 55	1 12	10 50	1 13	13 55	1 38	6 23	0 47	22 31	0 48	17 2	6 5	5 23	4 52	20 40	15 13	3 4
S 29	22 54	17 51	2 25	18 55	0 39	16 34	1 37	18 45	1 12	10 53	1 14	13 56	1 38	6 23	0 47	22 31	0 48	17 2	6 5	5 25	4 53	20 37	15 12	3 4
M30	22n48	11n41	1n12	18n25	0n30	16n10	1n35	18n34	1n12	10n56	1s14	13s57	1s39	6s23	0s47	22s32	0n48	17n 2	6s 5	5s26	4s55	20s35	15s12	3n 4

Julian Day Number = 2148186.5, Delta T = 14m30s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'35, Lahiri = 12°16'35 Julian Calendar 1 June 1169 == Greg. Calendar 8 June 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

JULY 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 14	15♋ 0'25	17♍ 7	10♌52	21♌50	12♌ 6	1♉43	27°R25	15°R42	7°R39	19♊ 6	16°D17	17♓34	10♒54	21°R14	T 1
W 2	19 6 10	15°57'40	1♎12	12° 8	23° 1	12°43	1°52	27♒22	15♓41	7♉38	19° 7	16♓18	17°31	11° 1	21♏12	W 2
T 3	19 10 7	16°54'56	14°54	13°21	24°11	13°21	2° 0	27°19	15°40	7°36	19° 8	16°R18	17°28	11° 7	21°11	T 3
F 4	19 14 3	17°52'12	28°16	14°32	25°21	13°58	2° 8	27°16	15°39	7°35	19°10	16°18	17°25	11°14	21°10	F 4
S 5	19 18 0	18°49'29	11♏18	15°40	26°31	14°36	2°16	27°13	15°38	7°33	19°11	16°16	17°22	11°21	21° 9	S 5
S 6	19 21 57	19°46'46	24° 5	16°45	27°41	15°13	2°23	27°10	15°37	7°31	19°12	16°11	17°19	11°27	21° 8	S 6
M 7	19 25 53	20°44'03	6♐38	17°48	28°52	15°51	2°31	27° 7	15°36	7°30	19°14	16° 4	17°15	11°34	21° 7	M 7
T 8	19 29 50	21°41'22	19° 0	18°48	0♍ 2	16°29	2°38	27° 4	15°35	7°28	19°15	15°56	17°12	11°41	21° 6	T 8
W 9	19 33 46	22°38'40	1♑13	19°46	1°11	17° 6	2°46	27° 1	15°34	7°27	19°16	15°46	17° 9	11°47	21° 5	W 9
T 10	19 37 43	23°36'00	13°17	20°40	2°21	17°44	2°53	26°57	15°33	7°25	19°17	15°36	17° 6	11°54	21° 4	T 10
F 11	19 41 39	24°33'20	25°14	21°31	3°31	18°21	3° 0	26°54	15°32	7°24	19°19	15°27	17° 3	12° 1	21° 4	F 11
S 12	19 45 36	25°30'41	7♒ 7	22°19	4°41	18°59	3° 6	26°50	15°30	7°22	19°20	15°20	16°59	12° 7	21° 3	S 12
S 13	19 49 33	26°28'03	18°56	23° 3	5°50	19°37	3°13	26°47	15°29	7°21	19°21	15°14	16°56	12°14	21° 3	S 13
M14	19 53 29	27°25'26	0♓44	23°44	7° 0	20°15	3°20	26°43	15°28	7°19	19°22	15°11	16°53	12°21	21° 3	M14
T 15	19 57 26	28°22'50	12°34	24°21	8° 9	20°52	3°26	26°40	15°26	7°18	19°23	15°D10	16°50	12°27	21° 3	T 15
W16	20 1 22	29°20'15	24°29	24°54	9°18	21°30	3°32	26°36	15°25	7°16	19°25	15°10	16°47	12°34	21°D 3	W16
T 17	20 5 19	0♌17'42	6♈34	25°23	10°28	22° 8	3°38	26°32	15°24	7°15	19°26	15°12	16°44	12°41	21° 3	T 17
F 18	20 9 15	1°15'10	18°53	25°47	11°37	22°46	3°44	26°28	15°22	7°13	19°27	15°13	16°40	12°47	21° 3	F 18
S 19	20 13 12	2°12'39	1♉30	26° 7	12°46	23°24	3°50	26°24	15°21	7°12	19°28	15°R14	16°37	12°54	21° 3	S 19
S 20	20 17 8	3°10'09	14°31	26°23	13°55	24° 2	3°55	26°20	15°19	7°10	19°29	15°13	16°34	13° 1	21° 3	S 20
M21	20 21 5	4° 7'41	27°58	26°33	15° 4	24°39	4° 1	26°16	15°17	7° 9	19°30	15°11	16°31	13° 7	21° 4	M21
T 22	20 25 2	5° 5'15	11♊54	26°R38	16°12	25°17	4° 6	26°12	15°16	7° 8	19°31	15° 7	16°28	13°14	21° 4	T 22
W23	20 28 58	6° 2'50	26°17	26°38	17°21	25°55	4°11	26° 8	15°14	7° 6	19°32	15° 2	16°25	13°21	21° 5	W23
T 24	20 32 55	7° 0'26	11♋ 5	26°33	18°30	26°33	4°16	26° 4	15°12	7° 5	19°33	14°56	16°21	13°27	21° 6	T 24
F 25	20 36 51	7°58'04	26°11	26°22	19°38	27°11	4°21	26° 0	15°11	7° 4	19°34	14°51	16°18	13°34	21° 7	F 25
S 26	20 40 48	8°55'43	11♌25	26° 6	20°46	27°49	4°25	25°56	15° 9	7° 2	19°35	14°47	16°15	13°41	21° 8	S 26
S 27	20 44 44	9°53'23	26°37	25°44	21°55	28°27	4°29	25°51	15° 7	7° 1	19°36	14°44	16°12	13°47	21° 9	S 27
M28	20 48 41	10°51'04	11♍37	25°16	23° 3	29° 6	4°34	25°47	15° 5	7° 0	19°37	14°D43	16° 9	13°54	21°10	M28
T 29	20 52 37	11°48'47	26°18	24°44	24°11	29°44	4°38	25°43	15° 3	6°58	19°38	14°43	16° 5	14° 1	21°11	T 29
W30	20 56 34	12°46'30	10♎35	24° 6	25°19	0♍22	4°41	25°38	15° 1	6°57	19°39	14°44	16° 2	14° 7	21°12	W30
T 31	21 0 31	13♌44'15	24♎26	23♌24	26♍27	1♍ 0	4♉45	25♒34	15♓ 0	6♑56	19♊40	14♓46	15♓59	14♒14	21♏14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n42	5n 3	0s 4	17n55	0n21	15n46	1n33	18n23	1n11	10n58	1s14	13s58	1s39	6s24	0s47	22s32	0n48	17n 2	6s 5	5s26	4s56	20s32	15s12	3n 4
W 2	22 35	1s41	1 19	17 25	0 12	15 21	1 32	18 12	1 11	11 1	1 14	13 59	1 39	6 24	0 47	22 32	0 48	17 2	6 5	5 26	4 57	20 30	15 11	3 4
T 3	22 28	8 9	2 27	16 55	0 2	14 56	1 30	18 1	1 11	11 4	1 14	14 0	1 39	6 24	0 47	22 32	0 48	17 3	6 5	5 26	4 58	20 27	15 11	3 4
F 4	22 21	14 5	3 25	16 25	0s 9	14 31	1 28	17 50	1 11	11 6	1 14	14 2	1 39	6 25	0 48	22 32	0 48	17 3	6 5	5 26	5 0	20 24	15 11	3 4
S 5	22 13	19 16	4 11	15 55	0 19	14 5	1 26	17 39	1 10	11 9	1 15	14 3	1 40	6 25	0 48	22 32	0 48	17 3	6 5	5 27	5 1	20 22	15 10	3 4
S 6	22 5	23 27	4 43	15 25	0 30	13 39	1 24	17 28	1 10	11 11	1 15	14 4	1 40	6 25	0 48	22 32	0 48	17 3	6 5	5 29	5 2	20 19	15 10	3 4
M 7	21 56	26 28	5 1	14 55	0 41	13 12	1 22	17 16	1 10	11 14	1 15	14 5	1 40	6 26	0 48	22 32	0 48	17 3	6 5	5 31	5 3	20 17	15 10	3 4
T 8	21 48	28 9	5 5	14 25	0 53	12 45	1 20	17 5	1 10	11 16	1 15	14 7	1 40	6 26	0 48	22 32	0 48	17 3	6 5	5 34	5 5	20 14	15 10	3 3
W 9	21 38	28 27	4 55	13 57	1 4	12 18	1 17	16 53	1 9	11 18	1 15	14 8	1 40	6 27	0 48	22 33	0 48	17 3	6 5	5 38	5 6	20 12	15 10	3 3
T 10	21 29	27 23	4 31	13 28	1 16	11 51	1 15	16 41	1 9	11 21	1 16	14 9	1 40	6 27	0 48	22 33	0 48	17 3	6 5	5 42	5 7	20 9	15 10	3 3
F 11	21 19	25 3	3 56	13 1	1 28	11 23	1 12	16 29	1 9	11 23	1 16	14 11	1 41	6 28	0 48	22 33	0 48	17 3	6 5	5 46	5 8	20 6	15 10	3 3
S 12	21 8	21 39	3 10	12 34	1 40	10 55	1 10	16 17	1 8	11 25	1 16	14 12	1 41	6 28	0 48	22 33	0 48	17 3	6 5	5 48	5 10	20 4	15 9	3 3
S 13	20 57	17 23	2 17	12 8	1 52	10 27	1 7	16 5	1 8	11 27	1 16	14 13	1 41	6 29	0 48	22 33	0 48	17 3	6 5	5 51	5 11	20 1	15 9	3 3
M14	20 46	12 28	1 17	11 43	2 5	9 59	1 4	15 53	1 8	11 29	1 16	14 15	1 41	6 29	0 48	22 33	0 48	17 3	6 5	5 52	5 12	19 59	15 9	3 3
T 15	20 35	7 6	0 14	11 19	2 17	9 30	1 2	15 40	1 8	11 31	1 16	14 16	1 41	6 30	0 48	22 33	0 48	17 3	6 5	5 52	5 13	19 56	15 10	3 3
W16	20 23	1 26	0n50	10 56	2 29	9 1	0 59	15 28	1 7	11 33	1 17	14 18	1 41	6 31	0 48	22 33	0 48	17 3	6 5	5 52	5 15	19 53	15 10	3 3
T 17	20 11	4n21	1 53	10 35	2 42	8 32	0 56	15 15	1 7	11 35	1 17	14 19	1 42	6 31	0 48	22 33	0 48	17 3	6 5	5 52	5 16	19 51	15 10	3 3
F 18	19 58	10 5	2 52	10 15	2 54	8 3	0 52	15 2	1 7	11 37	1 17	14 21	1 42	6 32	0 48	22 33	0 48	17 4	6 5	5 51	5 17	19 48	15 10	3 3
S 19	19 45	15 34	3 45	9 57	3 6	7 33	0 49	14 50	1 6	11 38	1 17	14 22	1 42	6 32	0 48	22 34	0 48	17 4	6 5	5 51	5 18	19 46	15 10	3 3
S 20	19 32	20 31	4 27	9 41	3 18	7 4	0 46	14 37	1 6	11 40	1 17	14 24	1 42	6 33	0 48	22 34	0 48	17 4	6 5	5 51	5 20	19 43	15 10	3 3
M21	19 19	24 37	4 57	9 27	3 29	6 34	0 43	14 24	1 6	11 42	1 18	14 25	1 42	6 34	0 48	22 34	0 48	17 4	6 5	5 52	5 21	19 40	15 10	3 3
T 22	19 5	27 26	5 10	9 14	3 40	6 4	0 39	14 11	1 5	11 43	1 18	14 27	1 42	6 34	0 48	22 34	0 48	17 4	6 5	5 53	5 22	19 38	15 10	3 2
W23	18 51	28 34	5 5	9 5	3 51	5 34	0 36	13 57	1 5	11 45	1 18	14 28	1 42	6 35	0 48	22 34	0 48	17 4	6 5	5 55	5 23	19 35	15 11	3 2
T 24	18 36	27 43	4 39	8 57	4 1	5 4	0 32	13 44	1 5	11 46	1 18	14 30	1 43	6 36	0 48	22 34	0 48	17 4	6 6	5 58	5 24	19 32	15 11	3 2
F 25	18 22	24 50	3 54	8 52	4 10	4 34	0 29	13 31	1 4	11 48	1 18	14 31	1 43	6 36	0 48	22 34	0 48	17 4	6 6	6 0	5 26	19 30	15 11	3 2
S 26	18 7	20 11	2 52	8 50	4 18	4 3	0 25	13 17	1 4	11 49	1 19	14 33	1 43	6 37	0 48	22 34	0 48	17 4	6 6	6 1	5 27	19 27	15 12	3 2
S 27	17 51	14 14	1 37	8 50	4 25	3 33	0 21	13 4	1 4	11 50	1 19	14 34	1 43	6 38	0 48	22 34	0 47	17 4	6 6	6 2	5 28	19 24	15 12	3 2
M28	17 35	7 30	0 17	8 54	4 31	3 2	0 17	12 50	1 4	11 52	1 19	14 36	1 43	6 39	0 48	22 34	0 47	17 4	6 6	6 3	5 29	19 22	15 12	3 2
T 29	17 19	0 31	1s 3	9 0	4 36	2 31	0 13	12 36	1 3	11 53	1 19	14 38	1 43	6 39	0 48	22 35	0 47	17 4	6 6	6 3	5 31	19 19	15 13	3 2
W30	17 3	6s18	2 17	9 9	4 39	2 1	0 9	12 22	1 3	11 54	1 19	14 39	1 43	6 40	0 48	22 35	0 47	17 4	6 6	6 2	5 32	19 16	15 13	3 2
T 31	16n47	12s37	3s20	9n21	4s41	1n30	0n 5	12n 9	1n 3	11n55	1s20	14s41	1s43	6s41	0s48	22s35	0n47	17n 4	6s 6	6s 2	5s33	19s14	15s14	3n 2

Julian Day Number = 2148216.5, Delta T = 14m30s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'39, Lahiri = 12°16'39 Julian Calendar 1 July 1169 == Greg. Calendar 8 July 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

AUGUST 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 4 27	14♌42'01	7♏52	22°R38	27♍34	1♍38	4♉48	25°R29	14°R58	6°R55	19♊41	14♓47	15♓56	14♒21	21♏15	F 1
S 2	21 8 24	15°39'48	20°55	21♌49	28°42	2°16	4°52	25♒25	14♓56	6♋53	19°42	14°R47	15°53	14°27	21°17	S 2
S 3	21 12 20	16°37'37	3♐38	20°57	29°49	2°55	4°55	25°21	14°54	6°52	19°43	14°46	15°50	14°34	21°19	S 3
M 4	21 16 17	17°35'27	16° 4	20° 4	0♎56	3°33	4°58	25°16	14°52	6°51	19°44	14°43	15°46	14°41	21°20	M 4
T 5	21 20 13	18°33'17	28°17	19°10	2° 4	4°11	5° 0	25°12	14°49	6°50	19°45	14°40	15°43	14°47	21°22	T 5
W 6	21 24 10	19°31'10	10♋20	18°17	3°11	4°49	5° 3	25° 7	14°47	6°49	19°45	14°36	15°40	14°54	21°24	W 6
T 7	21 28 6	20°29'03	22°16	17°25	4°17	5°28	5° 5	25° 2	14°45	6°48	19°46	14°32	15°37	15° 1	21°26	T 7
F 8	21 32 3	21°26'59	4♒ 8	16°37	5°24	6° 6	5° 7	24°58	14°43	6°47	19°47	14°28	15°34	15° 7	21°29	F 8
S 9	21 36 0	22°24'55	15°57	15°52	6°31	6°45	5° 9	24°53	14°41	6°46	19°48	14°25	15°31	15°14	21°31	S 9
S 10	21 39 56	23°22'53	27°46	15°12	7°37	7°23	5°11	24°49	14°39	6°45	19°49	14°23	15°27	15°21	21°33	S 10
M11	21 43 53	24°20'53	9♓37	14°37	8°43	8° 1	5°12	24°44	14°37	6°44	19°49	14°D22	15°24	15°27	21°36	M11
T 12	21 47 49	25°18'55	21°33	14°10	9°49	8°40	5°14	24°40	14°34	6°43	19°50	14°22	15°21	15°34	21°38	T 12
W13	21 51 46	26°16'58	3♈35	13°49	10°55	9°18	5°15	24°35	14°32	6°42	19°51	14°23	15°18	15°41	21°41	W13
T 14	21 55 42	27°15'03	15°47	13°37	12° 1	9°57	5°16	24°31	14°30	6°41	19°51	14°24	15°15	15°47	21°44	T 14
F 15	21 59 39	28°13'10	28°11	13°D33	13° 6	10°36	5°17	24°26	14°28	6°40	19°52	14°26	15°11	15°54	21°47	F 15
S 16	22 3 35	29°11'19	10♉51	13°37	14°12	11°14	5°17	24°21	14°25	6°39	19°53	14°27	15° 8	16° 1	21°50	S 16
S 17	22 7 32	0♍ 9'30	23°51	13°50	15°17	11°53	5°17	24°17	14°23	6°39	19°53	14°27	15° 5	16° 7	21°53	S 17
M18	22 11 29	1° 7'44	7♊13	14°12	16°22	12°31	5°R18	24°12	14°21	6°38	19°54	14°R27	15° 2	16°14	21°56	M18
T 19	22 15 25	2° 5'59	21° 0	14°42	17°27	13°10	5°18	24° 8	14°18	6°37	19°54	14°27	14°59	16°21	21°59	T 19
W20	22 19 22	3° 4'17	5♋11	15°21	18°31	13°49	5°17	24° 3	14°16	6°36	19°55	14°26	14°56	16°27	22° 2	W20
T 21	22 23 18	4° 2'37	19°46	16° 8	19°36	14°28	5°17	23°59	14°14	6°36	19°55	14°25	14°52	16°34	22° 6	T 21
F 22	22 27 15	5° 0'59	4♌39	17° 3	20°40	15° 6	5°16	23°54	14°11	6°35	19°56	14°23	14°49	16°41	22° 9	F 22
S 23	22 31 11	5°59'22	19°44	18° 5	21°44	15°45	5°15	23°50	14° 9	6°34	19°56	14°23	14°46	16°47	22°13	S 23
S 24	22 35 8	6°57'48	4♍51	19°14	22°48	16°24	5°14	23°46	14° 7	6°34	19°57	14°22	14°43	16°54	22°16	S 24
M25	22 39 4	7°56'15	19°53	20°30	23°51	17° 3	5°13	23°41	14° 4	6°33	19°57	14°D22	14°40	17° 1	22°20	M25
T 26	22 43 1	8°54'45	4♎40	21°51	24°54	17°42	5°11	23°37	14° 2	6°33	19°58	14°22	14°36	17° 7	22°24	T 26
W27	22 46 58	9°53'16	19° 6	23°17	25°58	18°21	5°10	23°33	13°59	6°32	19°58	14°23	14°33	17°14	22°28	W27
T 28	22 50 54	10°51'49	3♏ 7	24°48	27° 0	19° 0	5° 8	23°28	13°57	6°32	19°59	14°23	14°30	17°21	22°32	T 28
F 29	22 54 51	11°50'24	16°41	26°23	28° 3	19°39	5° 6	23°24	13°55	6°31	19°59	14°23	14°27	17°27	22°36	F 29
S 30	22 58 47	12°49'00	29°49	28° 2	29° 5	20°18	5° 4	23°20	13°52	6°31	19°59	14°24	14°24	17°34	22°40	S 30
S 31	23 2 44	13♍47'38	12♐35	29♌43	0♏ 7	20♍57	5♉ 1	23♒16	13♓50	6♋30	20♊ 0	14♓24	14♓21	17♒41	22♏44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n30	18s 9	4s11	9n36	4s41	0n59	0n 1	11n55	1n 2	11n56	1s20	14s42	1s44	6s42	0s48	22s35	0n47	17n 4	6s 6	6s 1	5s34	19s11	15s14	3n 2
S 2	16 13	22 40	4 47	9 53	4 39	0 28	0s 3	11 41	1 2	11 57	1 20	14 44	1 44	6 42	0 48	22 35	0 47	17 4	6 6	6 1	5 36	19 8	15 15	3 1
S 3	15 56	26 0	5 8	10 13	4 36	0s 3	0 8	11 26	1 2	11 57	1 20	14 46	1 44	6 43	0 48	22 35	0 47	17 4	6 6	6 2	5 37	19 6	15 15	3 1
M 4	15 38	28 1	5 13	10 35	4 30	0 34	0 12	11 12	1 1	11 58	1 21	14 47	1 44	6 44	0 48	22 35	0 47	17 4	6 6	6 3	5 38	19 3	15 16	3 1
T 5	15 20	28 37	5 5	10 59	4 23	1 4	0 16	10 58	1 1	11 59	1 21	14 49	1 44	6 45	0 48	22 35	0 47	17 4	6 6	6 4	5 39	19 0	15 16	3 1
W 6	15 2	27 51	4 43	11 24	4 13	1 35	0 21	10 43	1 1	12 0	1 21	14 50	1 44	6 46	0 48	22 35	0 47	17 4	6 6	6 6	5 41	18 58	15 17	3 1
T 7	14 44	25 47	4 9	11 50	4 2	2 6	0 25	10 29	1 0	12 0	1 21	14 52	1 44	6 46	0 48	22 35	0 47	17 4	6 6	6 7	5 42	18 55	15 18	3 1
F 8	14 25	22 37	3 24	12 17	3 49	2 37	0 30	10 14	1 0	12 1	1 21	14 54	1 44	6 47	0 48	22 35	0 47	17 4	6 6	6 9	5 43	18 52	15 18	3 1
S 9	14 6	18 31	2 30	12 44	3 35	3 8	0 35	10 0	0 59	12 1	1 22	14 55	1 44	6 48	0 48	22 35	0 47	17 4	6 7	6 10	5 44	18 49	15 19	3 1
S 10	13 47	13 43	1 30	13 11	3 19	3 38	0 39	9 45	0 59	12 1	1 22	14 57	1 44	6 49	0 48	22 36	0 47	17 4	6 7	6 11	5 46	18 47	15 20	3 1
M11	13 28	8 24	0 26	13 36	3 3	4 9	0 44	9 30	0 59	12 2	1 22	14 59	1 44	6 50	0 48	22 36	0 47	17 4	6 7	6 11	5 47	18 44	15 20	3 1
T 12	13 9	2 46	0n40	14 1	2 45	4 39	0 49	9 16	0 58	12 2	1 22	15 0	1 45	6 51	0 48	22 36	0 47	17 4	6 7	6 11	5 48	18 41	15 21	3 0
W13	12 49	3n 1	1 44	14 24	2 27	5 10	0 54	9 1	0 58	12 2	1 22	15 2	1 45	6 52	0 48	22 36	0 47	17 4	6 7	6 11	5 49	18 38	15 22	3 0
T 14	12 29	8 46	2 45	14 46	2 8	5 40	0 59	8 46	0 58	12 2	1 23	15 3	1 45	6 53	0 48	22 36	0 47	17 4	6 7	6 10	5 50	18 36	15 23	3 0
F 15	12 9	14 17	3 39	15 5	1 50	6 10	1 3	8 31	0 57	12 2	1 23	15 5	1 45	6 53	0 48	22 36	0 47	17 4	6 7	6 9	5 52	18 33	15 24	3 0
S 16	11 49	19 20	4 24	15 22	1 31	6 40	1 8	8 16	0 57	12 2	1 23	15 7	1 45	6 54	0 49	22 36	0 47	17 4	6 7	6 9	5 53	18 30	15 24	3 0
S 17	11 28	23 36	4 57	15 35	1 13	7 10	1 13	8 1	0 57	12 2	1 23	15 8	1 45	6 55	0 49	22 36	0 47	17 4	6 7	6 9	5 54	18 27	15 25	3 0
M18	11 7	26 47	5 14	15 46	0 55	7 40	1 18	7 45	0 56	12 2	1 23	15 10	1 45	6 56	0 49	22 36	0 47	17 4	6 7	6 9	5 55	18 25	15 26	3 0
T 19	10 47	28 29	5 15	15 54	0 37	8 10	1 24	7 30	0 56	12 2	1 24	15 11	1 45	6 57	0 49	22 36	0 47	17 3	6 7	6 9	5 57	18 22	15 27	3 0
W20	10 25	28 23	4 56	15 59	0 20	8 39	1 29	7 15	0 56	12 2	1 24	15 13	1 45	6 58	0 49	22 36	0 47	17 3	6 7	6 9	5 58	18 19	15 28	3 0
T 21	10 4	26 21	4 19	16 0	0 4	9 9	1 34	7 0	0 55	12 1	1 24	15 14	1 45	6 59	0 49	22 36	0 47	17 3	6 8	6 10	5 59	18 16	15 29	3 0
F 22	9 43	22 28	3 23	15 58	0n11	9 38	1 39	6 44	0 55	12 1	1 24	15 16	1 45	7 0	0 49	22 36	0 47	17 3	6 8	6 10	6 0	18 14	15 30	3 0
S 23	9 21	17 4	2 13	15 52	0 25	10 7	1 44	6 29	0 54	12 0	1 24	15 17	1 45	7 1	0 49	22 37	0 47	17 3	6 8	6 11	6 2	18 11	15 31	3 0
S 24	9 0	10 35	0 53	15 43	0 38	10 36	1 49	6 13	0 54	12 0	1 25	15 19	1 45	7 2	0 49	22 37	0 47	17 3	6 8	6 11	6 3	18 8	15 32	2 59
M25	8 38	3 33	0s31	15 31	0 50	11 4	1 55	5 58	0 54	11 59	1 25	15 20	1 45	7 3	0 49	22 37	0 47	17 3	6 8	6 11	6 4	18 5	15 33	2 59
T 26	8 16	3s33	1 50	15 15	1 1	11 33	2 0	5 42	0 53	11 59	1 25	15 22	1 45	7 3	0 49	22 37	0 47	17 3	6 8	6 11	6 5	18 2	15 34	2 59
W27	7 54	10 18	3 1	14 56	1 11	12 1	2 5	5 26	0 53	11 58	1 25	15 23	1 45	7 4	0 49	22 37	0 47	17 3	6 8	6 11	6 6	18 0	15 35	2 59
T 28	7 32	16 21	3 59	14 33	1 19	12 29	2 10	5 11	0 53	11 57	1 25	15 25	1 45	7 5	0 49	22 37	0 46	17 3	6 8	6 10	6 8	17 57	15 36	2 59
F 29	7 9	21 23	4 41	14 8	1 27	12 56	2 16	4 55	0 52	11 56	1 26	15 26	1 45	7 6	0 49	22 37	0 46	17 3	6 8	6 10	6 9	17 54	15 37	2 59
S 30	6 47	25 12	5 7	13 40	1 33	13 24	2 21	4 39	0 52	11 55	1 26	15 28	1 45	7 7	0 49	22 37	0 46	17 3	6 8	6 10	6 10	17 51	15 38	2 59
S 31	6n24	27s39	5s17	13n10	1n38	13s51	2s26	4n23	0n51	11n54	1s26	15s29	1s45	7s 8	0s49	22s37	0n46	17n 3	6s 8	6s10	6s11	17s48	15s39	2n59

Julian Day Number = 2148247.5, Delta T = 14m30s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'43, Lahiri = 12°16'43 Julian Calendar 1 Aug. 1169 == Greg. Calendar 8 Aug. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

SEPTEMBER 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 6 40	14♍46'18	25♐ 0	1♍27	1♏ 9	21♍36	4°R58	23°R12	13°R47	6°R30	20♊ 0	14♓24	14♓17	17♒47	22♏48	M 1
T 2	23 10 37	15°45'00	7♑10	3°12	2°10	22°15	4♉56	23♒ 8	13♓45	6♑30	20° 0	14°24	14°14	17°54	22°53	T 2
W 3	23 14 33	16°43'43	19° 9	4°59	3°11	22°54	4°53	23° 4	13°43	6°29	20° 0	14°24	14°11	18° 1	22°57	W 3
T 4	23 18 30	17°42'28	1♒ 1	6°48	4°12	23°34	4°49	23° 0	13°40	6°29	20° 1	14°24	14° 8	18° 7	23° 2	T 4
F 5	23 22 27	18°41'15	12°50	8°37	5°13	24°13	4°46	22°56	13°38	6°29	20° 1	14°25	14° 5	18°14	23° 6	F 5
S 6	23 26 23	19°40'04	24°39	10°26	6°13	24°52	4°42	22°52	13°35	6°29	20° 1	14°25	14° 2	18°21	23°11	S 6
S 7	23 30 20	20°38'54	6♓32	12°16	7°12	25°31	4°39	22°48	13°33	6°29	20° 1	14°25	13°58	18°27	23°16	S 7
M 8	23 34 16	21°37'47	18°29	14° 6	8°12	26°11	4°35	22°44	13°31	6°28	20° 1	14°R25	13°55	18°34	23°21	M 8
T 9	23 38 13	22°36'41	0♈35	15°56	9°11	26°50	4°30	22°41	13°28	6°28	20° 1	14°25	13°52	18°41	23°26	T 9
W10	23 42 9	23°35'38	12°50	17°46	10° 9	27°30	4°26	22°37	13°26	6°28	20° 1	14°24	13°49	18°47	23°30	W10
T 11	23 46 6	24°34'37	25°15	19°35	11° 8	28° 9	4°21	22°34	13°23	6°28	20° 2	14°23	13°46	18°54	23°36	T 11
F 12	23 50 2	25°33'38	7♉53	21°23	12° 5	28°48	4°17	22°30	13°21	6°D28	20° 2	14°22	13°42	19° 1	23°41	F 12
S 13	23 53 59	26°32'42	20°45	23°11	13° 3	29°28	4°12	22°27	13°19	6°28	20°R 2	14°20	13°39	19° 7	23°46	S 13
S 14	23 57 55	27°31'47	3♊53	24°59	14° 0	0♎ 8	4° 7	22°24	13°17	6°28	20° 2	14°19	13°36	19°14	23°51	S 14
M15	0 1 52	28°30'56	17°17	26°46	14°56	0°47	4° 2	22°20	13°14	6°28	20° 2	14°18	13°33	19°21	23°56	M15
T 16	0 5 49	29°30'06	0♋58	28°32	15°52	1°27	3°56	22°17	13°12	6°29	20° 2	14°D17	13°30	19°27	24° 2	T 16
W17	0 9 45	0♌29'19	14°57	0♎17	16°48	2° 6	3°51	22°14	13°10	6°29	20° 1	14°18	13°27	19°34	24° 7	W17
T 18	0 13 42	1°28'35	29°14	2° 1	17°43	2°46	3°45	22°11	13° 7	6°29	20° 1	14°19	13°23	19°41	24°13	T 18
F 19	0 17 38	2°27'52	13♌46	3°45	18°37	3°26	3°39	22° 8	13° 5	6°29	20° 1	14°20	13°20	19°47	24°18	F 19
S 20	0 21 35	3°27'12	28°29	5°28	19°31	4° 6	3°33	22° 5	13° 3	6°29	20° 1	14°21	13°17	19°54	24°24	S 20
S 21	0 25 31	4°26'34	13♍18	7°10	20°24	4°45	3°27	22° 2	13° 1	6°30	20° 1	14°R22	13°14	20° 0	24°30	S 21
M22	0 29 28	5°25'59	28° 6	8°52	21°17	5°25	3°21	22° 0	12°59	6°30	20° 1	14°21	13°11	20° 7	24°35	M22
T 23	0 33 24	6°25'25	12♎45	10°33	22° 9	6° 5	3°14	21°57	12°56	6°30	20° 1	14°20	13° 8	20°14	24°41	T 23
W24	0 37 21	7°24'54	27° 8	12°13	23° 0	6°45	3° 8	21°55	12°54	6°31	20° 0	14°17	13° 4	20°20	24°47	W24
T 25	0 41 18	8°24'24	11♏11	13°52	23°51	7°25	3° 1	21°52	12°52	6°31	20° 0	14°14	13° 1	20°27	24°53	T 25
F 26	0 45 14	9°23'57	24°50	15°31	24°41	8° 5	2°54	21°50	12°50	6°32	20° 0	14°10	12°58	20°34	24°59	F 26
S 27	0 49 11	10°23'31	8♐ 3	17° 9	25°31	8°45	2°47	21°48	12°48	6°32	20° 0	14° 6	12°55	20°40	25° 5	S 27
S 28	0 53 7	11°23'07	20°52	18°46	26°19	9°25	2°40	21°45	12°46	6°33	19°59	14° 4	12°52	20°47	25°11	S 28
M29	0 57 4	12°22'45	3♑21	20°22	27° 7	10° 5	2°33	21°43	12°44	6°33	19°59	14° 2	12°48	20°54	25°17	M29
T 30	1 1 0	13♎22'25	15♑31	21♎58	27♏54	10♎45	2♉26	21♒41	12♓42	6♑34	19♊58	14°D 2	12♓45	21♒ 0	25♏23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n 1	28s39	5s12	12n37	1n43	14s17	2s31	4n 7	0n51	11n53	1s26	15s30	1s45	7s 9	0s49	22s37	0n46	17n 3	6s 8	6s10	6s13	17s46	15s40	2n59
T 2	5 39	28 14	4 53	12 2	1 46	14 44	2 37	3 52	0 51	11 52	1 26	15 32	1 45	7 10	0 49	22 37	0 46	17 3	6 9	6 10	6 14	17 43	15 42	2 59
W 3	5 16	26 29	4 21	11 25	1 49	15 10	2 42	3 36	0 50	11 51	1 26	15 33	1 45	7 11	0 49	22 37	0 46	17 3	6 9	6 10	6 15	17 40	15 43	2 59
T 4	4 53	23 34	3 38	10 46	1 50	15 36	2 47	3 20	0 50	11 50	1 27	15 34	1 45	7 12	0 49	22 37	0 46	17 3	6 9	6 10	6 16	17 37	15 44	2 59
F 5	4 30	19 42	2 47	10 6	1 51	16 1	2 52	3 4	0 49	11 48	1 27	15 35	1 45	7 13	0 49	22 37	0 46	17 2	6 9	6 10	6 18	17 34	15 45	2 59
S 6	4 7	15 3	1 48	9 24	1 51	16 27	2 58	2 48	0 49	11 47	1 27	15 37	1 45	7 14	0 49	22 37	0 46	17 2	6 9	6 10	6 19	17 31	15 46	2 59
S 7	3 43	9 50	0 44	8 41	1 51	16 51	3 3	2 32	0 49	11 46	1 27	15 38	1 45	7 15	0 49	22 37	0 46	17 2	6 9	6 10	6 20	17 29	15 48	2 58
M 8	3 20	4 14	0n23	7 58	1 49	17 16	3 8	2 16	0 48	11 44	1 27	15 39	1 45	7 16	0 49	22 37	0 46	17 2	6 9	6 10	6 21	17 26	15 49	2 58
T 9	2 57	1n35	1 28	7 13	1 47	17 40	3 13	2 0	0 48	11 43	1 27	15 40	1 45	7 16	0 49	22 37	0 46	17 2	6 9	6 10	6 22	17 23	15 50	2 58
W10	2 33	7 24	2 31	6 28	1 45	18 4	3 18	1 43	0 47	11 41	1 28	15 42	1 45	7 17	0 49	22 37	0 46	17 2	6 9	6 10	6 24	17 20	15 51	2 58
T 11	2 10	13 2	3 28	5 42	1 42	18 27	3 23	1 27	0 47	11 39	1 28	15 43	1 45	7 18	0 49	22 37	0 46	17 2	6 9	6 10	6 25	17 17	15 53	2 58
F 12	1 46	18 13	4 15	4 56	1 39	18 50	3 28	1 11	0 46	11 38	1 28	15 44	1 45	7 19	0 49	22 38	0 46	17 2	6 9	6 11	6 26	17 14	15 54	2 58
S 13	1 23	22 41	4 50	4 10	1 35	19 13	3 33	0 55	0 46	11 36	1 28	15 45	1 45	7 20	0 48	22 38	0 46	17 2	6 10	6 12	6 27	17 11	15 55	2 58
S 14	0 59	26 7	5 11	3 23	1 31	19 35	3 38	0 39	0 46	11 34	1 28	15 46	1 45	7 21	0 48	22 38	0 46	17 2	6 10	6 12	6 29	17 9	15 57	2 58
M15	0 36	28 11	5 16	2 37	1 26	19 57	3 43	0 23	0 45	11 32	1 28	15 47	1 45	7 22	0 48	22 38	0 46	17 2	6 10	6 13	6 30	17 6	15 58	2 58
T 16	0 12	28 36	5 3	1 50	1 21	20 18	3 48	0 6	0 45	11 30	1 28	15 48	1 45	7 23	0 48	22 38	0 46	17 2	6 10	6 13	6 31	17 3	15 59	2 58
W17	0s12	27 13	4 32	1 3	1 16	20 39	3 53	0s10	0 44	11 28	1 28	15 49	1 45	7 23	0 48	22 38	0 46	17 1	6 10	6 12	6 32	17 0	16 1	2 58
T 18	0 35	24 4	3 44	0 16	1 11	20 59	3 58	0 26	0 44	11 26	1 29	15 50	1 45	7 24	0 48	22 38	0 46	17 1	6 10	6 12	6 33	16 57	16 2	2 58
F 19	0 59	19 20	2 41	0s30	1 5	21 19	4 2	0 42	0 43	11 24	1 29	15 51	1 45	7 25	0 48	22 38	0 46	17 1	6 10	6 12	6 35	16 54	16 3	2 58
S 20	1 23	13 24	1 27	1 17	0 59	21 39	4 7	0 59	0 43	11 22	1 29	15 52	1 45	7 26	0 48	22 38	0 46	17 1	6 10	6 11	6 36	16 51	16 5	2 58
S 21	1 46	6 41	0 6	2 3	0 53	21 58	4 11	1 15	0 43	11 20	1 29	15 52	1 45	7 27	0 48	22 38	0 46	17 1	6 10	6 11	6 37	16 48	16 6	2 58
M22	2 10	0s23	1s15	2 49	0 47	22 16	4 16	1 31	0 42	11 18	1 29	15 53	1 44	7 28	0 48	22 38	0 46	17 1	6 10	6 11	6 38	16 46	16 8	2 58
T 23	2 34	7 22	2 30	3 34	0 41	22 34	4 20	1 47	0 42	11 15	1 29	15 54	1 44	7 29	0 48	22 38	0 46	17 1	6 10	6 12	6 40	16 43	16 9	2 58
W24	2 57	13 50	3 34	4 19	0 34	22 52	4 24	2 4	0 41	11 13	1 29	15 55	1 44	7 29	0 48	22 38	0 46	17 1	6 11	6 13	6 41	16 40	16 10	2 58
T 25	3 21	19 25	4 24	5 4	0 28	23 9	4 29	2 20	0 41	11 11	1 29	15 56	1 44	7 30	0 48	22 38	0 45	17 1	6 11	6 14	6 42	16 37	16 12	2 58
F 26	3 44	23 51	4 56	5 49	0 21	23 26	4 33	2 36	0 40	11 8	1 29	15 56	1 44	7 31	0 48	22 38	0 45	17 1	6 11	6 16	6 43	16 34	16 13	2 58
S 27	4 8	26 53	5 12	6 32	0 14	23 42	4 36	2 52	0 40	11 6	1 29	15 57	1 44	7 32	0 48	22 38	0 45	17 0	6 11	6 17	6 44	16 31	16 15	2 58
S 28	4 31	28 25	5 12	7 16	0 8	23 57	4 40	3 9	0 39	11 3	1 29	15 58	1 44	7 32	0 48	22 38	0 45	17 0	6 11	6 18	6 46	16 28	16 16	2 58
M29	4 55	28 27	4 56	7 59	0 1	24 12	4 44	3 25	0 39	11 1	1 29	15 58	1 44	7 33	0 48	22 38	0 45	17 0	6 11	6 19	6 47	16 25	16 18	2 58
T 30	5s18	27s 5	4s28	8s41	0s 6	24s27	4s47	3s41	0n39	10n58	1s29	15s59	1s44	7s34	0s48	22s38	0n45	17n 0	6s11	6s19	6s48	16s22	16s19	2n58

Julian Day Number = 2148278.5, Delta T = 14m29s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'47, Lahiri = 12°16'48 Julian Calendar 1 Sept. 1169 == Greg. Calendar 8 Sept. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

OCTOBER 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 4 57	14♎22'07	27♑30	23♎34	28♏40	11♎25	2°R18	21°R40	12°R40	6♑34	19°R58	14♓ 2	12♓42	21♒ 7	25♏30	W 1
T 2	1 8 53	15°21'50	9♒21	25° 8	29°25	12° 6	2♉11	21♒38	12♓38	6°35	19♊58	14° 4	12°39	21°14	25°36	T 2
F 3	1 12 50	16°21'35	21° 9	26°43	0♐10	12°46	2° 3	21°36	12°36	6°36	19°57	14° 6	12°36	21°20	25°42	F 3
S 4	1 16 47	17°21'22	2♓59	28°16	0°53	13°26	1°56	21°35	12°34	6°37	19°57	14° 7	12°33	21°27	25°49	S 4
S 5	1 20 43	18°21'10	14°56	29°49	1°35	14° 7	1°48	21°33	12°33	6°37	19°56	14°R 8	12°29	21°34	25°55	S 5
M 6	1 24 40	19°21'00	27° 1	1♏22	2°17	14°47	1°40	21°32	12°31	6°38	19°56	14° 7	12°26	21°40	26° 2	M 6
T 7	1 28 36	20°20'53	9♈19	2°53	2°57	15°27	1°32	21°30	12°29	6°39	19°55	14° 4	12°23	21°47	26° 8	T 7
W 8	1 32 33	21°20'47	21°50	4°25	3°36	16° 8	1°25	21°29	12°27	6°40	19°55	14° 0	12°20	21°54	26°15	W 8
T 9	1 36 29	22°20'43	4♉36	5°56	4°13	16°48	1°17	21°28	12°26	6°41	19°54	13°54	12°17	22° 0	26°21	T 9
F 10	1 40 26	23°20'41	17°35	7°26	4°50	17°29	1° 9	21°27	12°24	6°42	19°54	13°47	12°13	22° 7	26°28	F 10
S 11	1 44 22	24°20'42	0♊48	8°56	5°25	18° 9	1° 1	21°26	12°22	6°43	19°53	13°40	12°10	22°14	26°35	S 11
S 12	1 48 19	25°20'44	14°14	10°25	5°59	18°50	0°52	21°25	12°21	6°44	19°53	13°34	12° 7	22°20	26°41	S 12
M13	1 52 16	26°20'49	27°50	11°54	6°32	19°30	0°44	21°25	12°19	6°45	19°52	13°29	12° 4	22°27	26°48	M13
T 14	1 56 12	27°20'55	11♋37	13°22	7° 3	20°11	0°36	21°24	12°18	6°46	19°51	13°26	12° 1	22°34	26°55	T 14
W15	2 0 9	28°21'04	25°33	14°50	7°32	20°52	0°28	21°24	12°16	6°47	19°51	13°D24	11°58	22°40	27° 2	W15
T 16	2 4 5	29°21'15	9♌38	16°17	8° 0	21°33	0°20	21°23	12°15	6°48	19°50	13°25	11°54	22°47	27° 9	T 16
F 17	2 8 2	0♏21'29	23°51	17°44	8°26	22°13	0°12	21°23	12°14	6°49	19°49	13°26	11°51	22°54	27°15	F 17
S 18	2 11 58	1°21'44	8♍10	19°10	8°51	22°54	0° 4	21°23	12°12	6°50	19°48	13°R27	11°48	23° 0	27°22	S 18
S 19	2 15 55	2°22'01	22°32	20°35	9°14	23°35	29♈55	21°D23	12°11	6°51	19°48	13°27	11°45	23° 7	27°29	S 19
M20	2 19 51	3°22'20	6♎54	21°59	9°35	24°16	29°47	21°23	12°10	6°53	19°47	13°24	11°42	23°13	27°36	M20
T 21	2 23 48	4°22'41	21°12	23°23	9°55	24°57	29°39	21°23	12° 8	6°54	19°46	13°20	11°39	23°20	27°43	T 21
W22	2 27 45	5°23'04	5♏19	24°46	10°12	25°38	29°31	21°23	12° 7	6°55	19°45	13°13	11°35	23°27	27°50	W22
T 23	2 31 41	6°23'29	19°11	26° 8	10°27	26°19	29°23	21°24	12° 6	6°56	19°45	13° 4	11°32	23°33	27°57	T 23
F 24	2 35 38	7°23'56	2♐44	27°29	10°41	27° 0	29°15	21°24	12° 5	6°58	19°44	12°54	11°29	23°40	28° 5	F 24
S 25	2 39 34	8°24'24	15°56	28°49	10°52	27°41	29° 7	21°25	12° 4	6°59	19°43	12°44	11°26	23°47	28°12	S 25
S 26	2 43 31	9°24'53	28°45	0♐ 8	11° 1	28°22	28°59	21°25	12° 3	7° 1	19°42	12°36	11°23	23°53	28°19	S 26
M27	2 47 27	10°25'24	11♑14	1°25	11° 7	29° 3	28°51	21°26	12° 2	7° 2	19°41	12°30	11°19	24° 0	28°26	M27
T 28	2 51 24	11°25'56	23°26	2°41	11°12	29°45	28°43	21°27	12° 1	7° 3	19°40	12°25	11°16	24° 7	28°33	T 28
W29	2 55 20	12°26'30	5♒25	3°55	11°R14	0♏26	28°36	21°28	12° 0	7° 5	19°39	12°24	11°13	24°13	28°40	W29
T 30	2 59 17	13°27'05	17°16	5° 6	11°13	1° 7	28°28	21°29	12° 0	7° 6	19°38	12°D23	11°10	24°20	28°48	T 30
F 31	3 3 14	14♏27'41	29♒ 4	6♐16	11♐11	1♏49	28♈20	21♒30	11♓59	7♑ 8	19♊37	12♓24	11♓ 7	24♒27	28♏55	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s41	24s29	3s48	9s23	0s13	24s41	4s51	3s57	0n38	10n56	1s29	15s59	1s44	7s35	0s48	22s38	0n45	17n 0	6s11	6s18	6s49	16s19	16s21	2n58
T 2	6 5	20 52	2 59	10 5	0 20	24 54	4 54	4 14	0 38	10 53	1 30	16 0	1 44	7 35	0 48	22 38	0 45	17 0	6 11	6 18	6 51	16 16	16 22	2 58
F 3	6 28	16 27	2 3	10 45	0 26	25 7	4 57	4 30	0 37	10 51	1 30	16 0	1 44	7 36	0 48	22 38	0 45	17 0	6 11	6 17	6 52	16 13	16 24	2 58
S 4	6 51	11 24	1 1	11 25	0 33	25 19	5 0	4 46	0 37	10 48	1 30	16 1	1 44	7 37	0 48	22 38	0 45	17 0	6 11	6 17	6 53	16 10	16 25	2 58
S 5	7 14	5 54	0n 4	12 5	0 40	25 31	5 3	5 2	0 36	10 45	1 30	16 1	1 43	7 37	0 48	22 38	0 45	17 0	6 11	6 16	6 54	16 7	16 26	2 58
M 6	7 36	0 7	1 10	12 44	0 47	25 42	5 6	5 18	0 36	10 43	1 30	16 1	1 43	7 38	0 48	22 38	0 45	16 59	6 11	6 17	6 55	16 5	16 28	2 58
T 7	7 59	5n45	2 13	13 22	0 53	25 52	5 8	5 34	0 35	10 40	1 30	16 2	1 43	7 39	0 48	22 38	0 45	16 59	6 12	6 18	6 57	16 2	16 29	2 58
W 8	8 22	11 30	3 11	13 59	1 0	26 2	5 10	5 50	0 35	10 37	1 30	16 2	1 43	7 39	0 48	22 38	0 45	16 59	6 12	6 19	6 58	15 59	16 31	2 58
T 9	8 44	16 53	4 0	14 36	1 6	26 12	5 12	6 6	0 34	10 34	1 30	16 2	1 43	7 40	0 48	22 38	0 45	16 59	6 12	6 22	6 59	15 56	16 32	2 58
F 10	9 7	21 36	4 38	15 12	1 13	26 20	5 14	6 22	0 34	10 32	1 29	16 2	1 43	7 41	0 48	22 38	0 45	16 59	6 12	6 24	7 0	15 53	16 34	2 58
S 11	9 29	25 20	5 2	15 47	1 19	26 29	5 16	6 38	0 33	10 29	1 29	16 3	1 43	7 41	0 48	22 38	0 45	16 59	6 12	6 27	7 2	15 50	16 35	2 58
S 12	9 51	27 44	5 9	16 21	1 25	26 36	5 17	6 54	0 33	10 26	1 29	16 3	1 43	7 42	0 48	22 38	0 45	16 59	6 12	6 30	7 3	15 47	16 37	2 58
M13	10 13	28 32	5 0	16 55	1 31	26 43	5 18	7 10	0 32	10 23	1 29	16 3	1 43	7 42	0 48	22 38	0 45	16 59	6 12	6 31	7 4	15 44	16 38	2 58
T 14	10 35	27 34	4 33	17 28	1 37	26 49	5 19	7 26	0 32	10 21	1 29	16 3	1 43	7 43	0 48	22 38	0 45	16 59	6 12	6 33	7 5	15 41	16 40	2 58
W15	10 56	24 53	3 50	18 0	1 43	26 55	5 19	7 42	0 31	10 18	1 29	16 3	1 42	7 43	0 48	22 38	0 45	16 58	6 12	6 33	7 6	15 38	16 41	2 58
T 16	11 18	20 41	2 52	18 30	1 48	27 0	5 19	7 58	0 31	10 15	1 29	16 3	1 42	7 44	0 48	22 38	0 45	16 58	6 12	6 33	7 8	15 35	16 43	2 58
F 17	11 39	15 16	1 44	19 0	1 53	27 4	5 19	8 13	0 30	10 12	1 29	16 3	1 42	7 44	0 48	22 38	0 45	16 58	6 12	6 33	7 9	15 32	16 44	2 59
S 18	12 0	8 59	0 28	19 30	1 58	27 7	5 19	8 29	0 30	10 9	1 29	16 3	1 42	7 45	0 48	22 38	0 45	16 58	6 12	6 32	7 10	15 29	16 46	2 59
S 19	12 21	2 14	0s49	19 58	2 3	27 10	5 18	8 45	0 29	10 7	1 29	16 3	1 42	7 45	0 48	22 38	0 45	16 58	6 12	6 32	7 11	15 26	16 47	2 59
M20	12 42	4s38	2 3	20 24	2 8	27 13	5 17	9 0	0 29	10 4	1 29	16 3	1 42	7 46	0 48	22 38	0 45	16 58	6 12	6 33	7 13	15 23	16 49	2 59
T 21	13 2	11 13	3 9	20 50	2 12	27 14	5 15	9 16	0 28	10 1	1 29	16 3	1 42	7 46	0 48	22 38	0 45	16 58	6 12	6 35	7 14	15 20	16 50	2 59
W22	13 23	17 9	4 2	21 15	2 16	27 15	5 14	9 31	0 28	9 58	1 29	16 3	1 42	7 47	0 48	22 38	0 45	16 58	6 13	6 38	7 15	15 17	16 52	2 59
T 23	13 43	22 5	4 40	21 39	2 20	27 15	5 11	9 47	0 27	9 56	1 28	16 2	1 42	7 47	0 48	22 38	0 45	16 58	6 13	6 41	7 16	15 14	16 53	2 59
F 24	14 3	25 43	5 1	22 1	2 24	27 14	5 9	10 2	0 27	9 53	1 28	16 2	1 42	7 47	0 47	22 37	0 44	16 57	6 13	6 45	7 17	15 11	16 55	2 59
S 25	14 22	27 51	5 5	22 22	2 27	27 13	5 5	10 18	0 26	9 50	1 28	16 2	1 41	7 48	0 47	22 37	0 44	16 57	6 13	6 48	7 19	15 8	16 56	2 59
S 26	14 42	28 26	4 54	22 42	2 30	27 10	5 2	10 33	0 26	9 47	1 28	16 1	1 41	7 48	0 47	22 37	0 44	16 57	6 13	6 52	7 20	15 5	16 58	2 59
M27	15 1	27 32	4 28	23 1	2 32	27 7	4 58	10 48	0 25	9 45	1 28	16 1	1 41	7 48	0 47	22 37	0 44	16 57	6 13	6 54	7 21	15 2	16 59	2 59
T 28	15 20	25 18	3 51	23 18	2 34	27 3	4 53	11 3	0 25	9 42	1 28	16 1	1 41	7 49	0 47	22 37	0 44	16 57	6 13	6 56	7 22	14 59	17 1	2 59
W29	15 39	21 59	3 5	23 34	2 35	26 59	4 48	11 18	0 24	9 40	1 28	16 0	1 41	7 49	0 47	22 37	0 44	16 57	6 13	6 57	7 23	14 56	17 2	3 0
T 30	15 57	17 48	2 10	23 48	2 36	26 53	4 42	11 33	0 23	9 37	1 27	16 0	1 41	7 49	0 47	22 37	0 44	16 57	6 13	6 57	7 25	14 53	17 4	3 0
F 31	16s15	12s57	1s11	24s 1	2s36	26s46	4s36	11s48	0n23	9n35	1s27	15s59	1s41	7s50	0s47	22s37	0n44	16n57	6s13	6s56	7s26	14s50	17s 5	3n 0

Julian Day Number = 2148308.5, Delta T = 14m29s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'51, Lahiri = 12°16'52 Julian Calendar 1 Oct. 1169 == Greg. Calendar 8 Oct. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

NOVEMBER 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 10	15♏28'18	10♓55	7♐23	11°R 5	2♏30	28°R13	21♒32	11°R58	7♑ 9	19°R37	12°R25	11♓ 4	24♒33	29♏ 2	S 1
S 2	3 11 7	16°28'56	22°53	8°28	10♐58	3°11	28♈ 6	21°33	11♓57	7°11	19♊36	12♓24	11° 0	24°40	29° 9	S 2
M 3	3 15 3	17°29'36	5♈ 5	9°29	10°47	3°53	27°58	21°35	11°57	7°13	19°35	12°21	10°57	24°47	29°17	M 3
T 4	3 19 0	18°30'17	17°32	10°26	10°35	4°34	27°51	21°36	11°56	7°14	19°34	12°16	10°54	24°53	29°24	T 4
W 5	3 22 56	19°30'59	0♉18	11°19	10°19	5°16	27°44	21°38	11°56	7°16	19°33	12° 8	10°51	25° 0	29°31	W 5
T 6	3 26 53	20°31'42	13°23	12° 7	10° 2	5°57	27°37	21°40	11°55	7°18	19°32	11°58	10°48	25° 7	29°39	T 6
F 7	3 30 49	21°32'27	26°46	12°50	9°42	6°39	27°30	21°42	11°55	7°19	19°31	11°47	10°45	25°13	29°46	F 7
S 8	3 34 46	22°33'14	10♊26	13°26	9°20	7°21	27°24	21°44	11°55	7°21	19°30	11°34	10°41	25°20	29°53	S 8
S 9	3 38 43	23°34'01	24°17	13°56	8°56	8° 2	27°17	21°46	11°54	7°23	19°28	11°23	10°38	25°26	0♐ 1	S 9
M10	3 42 39	24°34'50	8♋18	14°18	8°29	8°44	27°11	21°48	11°54	7°25	19°27	11°14	10°35	25°33	0° 8	M10
T 11	3 46 36	25°35'41	22°23	14°32	8° 1	9°26	27° 4	21°50	11°54	7°26	19°26	11° 7	10°32	25°40	0°16	T 11
W12	3 50 32	26°36'33	6♌30	14°R36	7°31	10° 8	26°58	21°53	11°54	7°28	19°25	11° 4	10°29	25°46	0°23	W12
T 13	3 54 29	27°37'26	20°36	14°30	6°59	10°50	26°52	21°55	11°54	7°30	19°24	11° 2	10°25	25°53	0°30	T 13
F 14	3 58 25	28°38'21	4♍41	14°14	6°27	11°32	26°46	21°58	11°D54	7°32	19°23	11° 2	10°22	26° 0	0°38	F 14
S 15	4 2 22	29°39'17	18°44	13°46	5°52	12°14	26°41	22° 1	11°54	7°34	19°22	11° 2	10°19	26° 6	0°45	S 15
S 16	4 6 18	0♐40'14	2♎44	13° 7	5°17	12°56	26°35	22° 4	11°54	7°36	19°21	11° 1	10°16	26°13	0°52	S 16
M17	4 10 15	1°41'13	16°39	12°17	4°42	13°38	26°30	22° 6	11°54	7°38	19°20	10°57	10°13	26°20	1° 0	M17
T 18	4 14 12	2°42'13	0♏29	11°17	4° 6	14°20	26°25	22°10	11°54	7°39	19°19	10°50	10°10	26°26	1° 7	T 18
W19	4 18 8	3°43'14	14°11	10° 8	3°29	15° 2	26°20	22°13	11°54	7°41	19°17	10°40	10° 6	26°33	1°15	W19
T 20	4 22 5	4°44'16	27°41	8°52	2°53	15°44	26°15	22°16	11°54	7°43	19°16	10°27	10° 3	26°40	1°22	T 20
F 21	4 26 1	5°45'19	10♐57	7°32	2°17	16°26	26°10	22°19	11°55	7°45	19°15	10°14	10° 0	26°46	1°29	F 21
S 22	4 29 58	6°46'23	23°57	6° 9	1°41	17° 8	26° 6	22°23	11°55	7°47	19°14	10° 0	9°57	26°53	1°37	S 22
S 23	4 33 54	7°47'27	6♑39	4°46	1° 7	17°51	26° 1	22°26	11°55	7°49	19°13	9°48	9°54	27° 0	1°44	S 23
M24	4 37 51	8°48'33	19° 5	3°28	0°33	18°33	25°57	22°30	11°56	7°51	19°12	9°37	9°51	27° 6	1°51	M24
T 25	4 41 47	9°49'39	1♒14	2°15	0° 1	19°15	25°53	22°33	11°56	7°54	19°10	9°30	9°47	27°13	1°59	T 25
W26	4 45 44	10°50'45	13°12	1°10	29♏30	19°58	25°50	22°37	11°57	7°56	19° 9	9°25	9°44	27°20	2° 6	W26
T 27	4 49 41	11°51'52	25° 2	0°15	29° 0	20°40	25°46	22°41	11°58	7°58	19° 8	9°23	9°41	27°26	2°13	T 27
F 28	4 53 37	12°52'59	6♓49	29♏30	28°32	21°23	25°43	22°45	11°58	8° 0	19° 7	9°23	9°38	27°33	2°21	F 28
S 29	4 57 34	13°54'06	18°39	28°56	28° 7	22° 5	25°40	22°49	11°59	8° 2	19° 6	9°23	9°35	27°39	2°28	S 29
S 30	5 1 30	14♐55'14	0♈37	28♏34	27♏43	22♏48	25♈37	22♒53	12♓ 0	8♑ 4	19♊ 4	9♓22	9♓31	27♒46	2♐35	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16s33	7s38	0s 8	24s12	2s35	26s39	4s29	12s 3	0n22	9n32	1s27	15s59	1s41	7s50	0s47	22s37	0n44	16n57	6s13	6s56	7s27	14s47	17s 7	3n 0	S 1
S 2	16 51	1 59	0n56	24 21	2 34	26 30	4 22	12 18	0 22	9 30	1 27	15 58	1 41	7 50	0 47	22 37	0 44	16 57	6 13	6 56	7 28	14 44	17 8	3 0	S 2
M 3	17 8	3n50	1 58	24 29	2 32	26 21	4 14	12 32	0 21	9 27	1 27	15 58	1 40	7 50	0 47	22 37	0 44	16 56	6 13	6 57	7 29	14 41	17 9	3 0	M 3
T 4	17 25	9 37	2 56	24 35	2 29	26 11	4 5	12 47	0 21	9 25	1 26	15 57	1 40	7 50	0 47	22 37	0 44	16 56	6 13	6 59	7 31	14 38	17 11	3 0	T 4
W 5	17 41	15 9	3 46	24 39	2 26	25 59	3 56	13 1	0 20	9 22	1 26	15 56	1 40	7 51	0 47	22 37	0 44	16 56	6 13	7 2	7 32	14 34	17 12	3 0	W 5
T 6	17 58	20 8	4 25	24 41	2 21	25 47	3 46	13 16	0 20	9 20	1 26	15 56	1 40	7 51	0 47	22 37	0 44	16 56	6 13	7 6	7 33	14 31	17 14	3 1	T 6
F 7	18 14	24 15	4 52	24 41	2 15	25 34	3 36	13 30	0 19	9 18	1 26	15 55	1 40	7 51	0 47	22 37	0 44	16 56	6 13	7 11	7 34	14 28	17 15	3 1	F 7
S 8	18 30	27 5	5 2	24 38	2 8	25 20	3 25	13 44	0 18	9 16	1 26	15 54	1 40	7 51	0 47	22 37	0 44	16 56	6 13	7 15	7 36	14 25	17 16	3 1	S 8
S 9	18 45	28 19	4 54	24 34	2 0	25 4	3 13	13 58	0 18	9 14	1 25	15 53	1 40	7 51	0 47	22 37	0 44	16 56	6 13	7 20	7 37	14 22	17 18	3 1	S 9
M10	19 0	27 46	4 29	24 27	1 51	24 48	3 1	14 12	0 17	9 11	1 25	15 52	1 40	7 51	0 47	22 37	0 44	16 56	6 13	7 23	7 38	14 19	17 19	3 1	M10
T 11	19 15	25 25	3 48	24 18	1 40	24 31	2 49	14 26	0 17	9 9	1 25	15 52	1 40	7 51	0 47	22 36	0 44	16 56	6 13	7 26	7 39	14 16	17 21	3 1	T 11
W12	19 29	21 30	2 52	24 6	1 28	24 13	2 35	14 40	0 16	9 7	1 25	15 51	1 39	7 51	0 47	22 36	0 44	16 56	6 13	7 27	7 40	14 13	17 22	3 1	W12
T 13	19 43	16 22	1 46	23 52	1 14	23 54	2 22	14 54	0 16	9 6	1 24	15 50	1 39	7 51	0 47	22 36	0 44	16 55	6 13	7 28	7 42	14 10	17 23	3 2	T 13
F 14	19 57	10 21	0 34	23 35	0 59	23 35	2 8	15 7	0 15	9 4	1 24	15 49	1 39	7 51	0 47	22 36	0 44	16 55	6 13	7 28	7 43	14 7	17 25	3 2	F 14
S 15	20 10	3 51	0s41	23 15	0 42	23 14	1 53	15 21	0 14	9 2	1 24	15 48	1 39	7 51	0 47	22 36	0 44	16 55	6 13	7 28	7 44	14 4	17 26	3 2	S 15
S 16	20 23	2s48	1 52	22 52	0 24	22 54	1 38	15 34	0 14	9 0	1 24	15 47	1 39	7 51	0 47	22 36	0 44	16 55	6 13	7 28	7 45	14 1	17 27	3 2	S 16
M17	20 36	9 17	2 56	22 27	0 5	22 32	1 23	15 47	0 13	8 58	1 23	15 46	1 39	7 51	0 47	22 36	0 44	16 55	6 13	7 30	7 46	13 58	17 29	3 2	M17
T 18	20 48	15 16	3 50	21 59	0n15	22 10	1 8	16 1	0 13	8 57	1 23	15 45	1 39	7 51	0 47	22 36	0 44	16 55	6 13	7 32	7 48	13 55	17 30	3 3	T 18
W19	21 0	20 27	4 29	21 29	0 35	21 48	0 52	16 14	0 12	8 55	1 23	15 44	1 39	7 51	0 46	22 36	0 44	16 55	6 13	7 36	7 49	13 52	17 31	3 3	W19
T 20	21 11	24 29	4 53	20 58	0 56	21 26	0 37	16 27	0 11	8 54	1 23	15 42	1 39	7 51	0 46	22 36	0 44	16 55	6 13	7 41	7 50	13 48	17 33	3 3	T 20
F 21	21 22	27 8	5 0	20 25	1 16	21 4	0 21	16 39	0 11	8 52	1 22	15 41	1 38	7 50	0 46	22 36	0 44	16 55	6 13	7 46	7 51	13 45	17 34	3 3	F 21
S 22	21 32	28 16	4 51	19 53	1 35	20 41	0 6	16 52	0 10	8 51	1 22	15 40	1 38	7 50	0 46	22 36	0 44	16 55	6 13	7 51	7 52	13 42	17 35	3 3	S 22
S 23	21 43	27 51	4 28	19 21	1 52	20 19	0n10	17 4	0 10	8 50	1 22	15 39	1 38	7 50	0 46	22 35	0 44	16 55	6 13	7 56	7 54	13 39	17 36	3 4	S 23
M24	21 52	26 1	3 53	18 51	2 8	19 57	0 25	17 17	0 9	8 48	1 21	15 37	1 38	7 50	0 46	22 35	0 44	16 55	6 13	8 0	7 55	13 36	17 38	3 4	M24
T 25	22 2	23 1	3 7	18 24	2 21	19 35	0 40	17 29	0 8	8 47	1 21	15 36	1 38	7 50	0 46	22 35	0 44	16 55	6 13	8 3	7 56	13 33	17 39	3 4	T 25
W26	22 10	19 4	2 14	18 0	2 32	19 14	0 55	17 41	0 8	8 46	1 21	15 35	1 38	7 49	0 46	22 35	0 44	16 54	6 13	8 4	7 57	13 30	17 40	3 4	W26
T 27	22 19	14 25	1 15	17 40	2 41	18 54	1 10	17 53	0 7	8 45	1 21	15 34	1 38	7 49	0 46	22 35	0 44	16 54	6 13	8 5	7 58	13 27	17 41	3 4	T 27
F 28	22 27	9 15	0 14	17 24	2 48	18 34	1 24	18 5	0 7	8 44	1 20	15 32	1 38	7 49	0 46	22 35	0 44	16 54	6 13	8 5	8 0	13 24	17 42	3 5	F 28
S 29	22 34	3 46	0n49	17 13	2 52	18 15	1 38	18 17	0 6	8 43	1 20	15 31	1 38	7 48	0 46	22 35	0 44	16 54	6 13	8 5	8 1	13 20	17 44	3 5	S 29
S 30	22s42	1n56	1n50	17s 5	2n55	17s56	1n51	18s28	0n 5	8n43	1s20	15s29	1s38	7s48	0s46	22s35	0n44	16n54	6s13	8s 6	8s 2	13s17	17s45	3n 5	S 30

Julian Day Number = 2148339.5, Delta T = 14m29s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°09'56, Lahiri = 12°16'56 Julian Calendar 1 Nov. 1169 == Greg. Calendar 8 Nov. 1169

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ASTRODIENST EPHEMERIS for the year 1169
geocentric

DECEMBER 1169 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 5 27	15♐56'21	12♈49	28°R21	27°R22	23♏30	25°R34	22♒57	12♓ 1	8♑ 6	19°R 3	9°R20	9♓28	27♒53	2♐42	M 1
T 2	5 9 23	16°57'30	25°19	28°D20	27♏ 3	24°13	25♈31	23° 1	12° 2	8° 8	19♊ 2	9♓15	9°25	27°59	2°50	T 2
W 3	5 13 20	17°58'38	8♉12	28♏27	26°46	24°56	25°29	23° 6	12° 2	8°10	19° 1	9° 7	9°22	28° 6	2°57	W 3
T 4	5 17 16	18°59'47	21°29	28°44	26°31	25°38	25°27	23°10	12° 3	8°13	19° 0	8°56	9°19	28°13	3° 4	T 4
F 5	5 21 13	20° 0'55	5♊10	29° 8	26°20	26°21	25°25	23°15	12° 5	8°15	18°58	8°44	9°16	28°19	3°11	F 5
S 6	5 25 10	21° 2'05	19°12	29°40	26°10	27° 4	25°23	23°19	12° 6	8°17	18°57	8°32	9°12	28°26	3°18	S 6
S 7	5 29 6	22° 3'14	3♋30	0♐18	26° 3	27°47	25°22	23°24	12° 7	8°19	18°56	8°20	9° 9	28°33	3°25	S 7
M 8	5 33 3	23° 4'24	17°59	1° 2	25°59	28°30	25°20	23°29	12° 8	8°21	18°55	8°10	9° 6	28°39	3°32	M 8
T 9	5 36 59	24° 5'34	2♌31	1°51	25°D57	29°13	25°19	23°34	12° 9	8°24	18°54	8° 3	9° 3	28°46	3°40	T 9
W10	5 40 56	25° 6'45	17° 1	2°44	25°58	29°56	25°18	23°38	12°10	8°26	18°53	7°59	9° 0	28°53	3°47	W10
T 11	5 44 52	26° 7'56	1♍23	3°42	26° 1	0♐39	25°18	23°43	12°12	8°28	18°51	7°58	8°57	28°59	3°54	T 11
F 12	5 48 49	27° 9'07	15°36	4°43	26° 6	1°22	25°17	23°48	12°13	8°30	18°50	7°D58	8°53	29° 6	4° 1	F 12
S 13	5 52 46	28°10'18	29°37	5°47	26°14	2° 5	25°17	23°54	12°15	8°33	18°49	7°R58	8°50	29°13	4° 7	S 13
S 14	5 56 42	29°11'30	13♎27	6°54	26°24	2°48	25°D17	23°59	12°16	8°35	18°48	7°57	8°47	29°19	4°14	S 14
M15	6 0 39	0♑12'42	27° 5	8° 4	26°36	3°31	25°17	24° 4	12°18	8°37	18°47	7°54	8°44	29°26	4°21	M15
T 16	6 4 35	1°13'55	10♏33	9°15	26°51	4°14	25°17	24° 9	12°19	8°39	18°45	7°48	8°41	29°33	4°28	T 16
W17	6 8 32	2°15'07	23°50	10°29	27° 7	4°58	25°18	24°15	12°21	8°42	18°44	7°40	8°37	29°39	4°35	W17
T 18	6 12 28	3°16'20	6♐56	11°45	27°26	5°41	25°19	24°20	12°22	8°44	18°43	7°29	8°34	29°46	4°42	T 18
F 19	6 16 25	4°17'33	19°49	13° 2	27°46	6°24	25°20	24°26	12°24	8°46	18°42	7°17	8°31	29°52	4°48	F 19
S 20	6 20 21	5°18'45	2♑30	14°20	28° 9	7° 8	25°21	24°31	12°26	8°48	18°41	7° 5	8°28	29°59	4°55	S 20
S 21	6 24 18	6°19'58	14°58	15°40	28°33	7°51	25°22	24°37	12°28	8°51	18°40	6°54	8°25	0♓ 6	5° 2	S 21
M22	6 28 15	7°21'10	27°14	17° 1	28°59	8°34	25°24	24°43	12°29	8°53	18°39	6°45	8°22	0°12	5° 8	M22
T 23	6 32 11	8°22'21	9♒18	18°23	29°27	9°18	25°26	24°49	12°31	8°55	18°37	6°39	8°18	0°19	5°15	T 23
W24	6 36 8	9°23'32	21°12	19°46	29°56	10° 1	25°28	24°54	12°33	8°57	18°36	6°35	8°15	0°26	5°21	W24
T 25	6 40 4	10°24'42	3♓ 0	21°10	0♐27	10°45	25°30	25° 0	12°35	9° 0	18°35	6°D33	8°12	0°32	5°28	T 25
F 26	6 44 1	11°25'52	14°46	22°35	1° 0	11°28	25°32	25° 6	12°37	9° 2	18°34	6°34	8° 9	0°39	5°34	F 26
S 27	6 47 57	12°27'01	26°35	24° 0	1°34	12°12	25°35	25°12	12°39	9° 4	18°33	6°35	8° 6	0°46	5°41	S 27
S 28	6 51 54	13°28'09	8♈31	25°27	2° 9	12°56	25°38	25°18	12°41	9° 7	18°32	6°R36	8° 3	0°52	5°47	S 28
M29	6 55 50	14°29'16	20°40	26°54	2°46	13°39	25°41	25°25	12°43	9° 9	18°31	6°36	7°59	0°59	5°53	M29
T 30	6 59 47	15°30'23	3♉ 8	28°22	3°24	14°23	25°44	25°31	12°46	9°11	18°30	6°34	7°56	1° 6	5°59	T 30
W31	7 3 44	16♑31'28	15♉58	29♐50	4♐ 3	15♐ 7	25♈47	25♒37	12♓48	9♑13	18♊29	6♓30	7♓53	1♓12	6♐ 6	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s48	7n39	2n47	17s 2	2n55	17s39	2n 4	18s40	0n 5	8n42	1s19	15s28	1s38	7s48	0s46	22s35	0n44	16n54	6s13	8s 7	8s 3	13s14	17s46	3n 5
T 2	22 54	13 13	3 38	17 2	2 55	17 23	2 16	18 51	0 4	8 41	1 19	15 26	1 37	7 47	0 46	22 34	0 43	16 54	6 13	8 8	8 4	13 11	17 47	3 6
W 3	23 0	18 23	4 19	17 6	2 52	17 7	2 28	19 2	0 3	8 41	1 19	15 25	1 37	7 47	0 46	22 34	0 43	16 54	6 13	8 11	8 6	13 8	17 48	3 6
T 4	23 5	22 50	4 47	17 13	2 49	16 53	2 39	19 13	0 3	8 40	1 18	15 23	1 37	7 47	0 46	22 34	0 43	16 54	6 13	8 15	8 7	13 5	17 49	3 6
F 5	23 10	26 11	5 0	17 23	2 44	16 40	2 50	19 24	0 2	8 40	1 18	15 22	1 37	7 46	0 46	22 34	0 43	16 54	6 13	8 20	8 8	13 2	17 50	3 6
S 6	23 15	28 1	4 56	17 35	2 39	16 28	3 0	19 34	0 1	8 39	1 18	15 20	1 37	7 46	0 46	22 34	0 43	16 54	6 13	8 24	8 9	12 59	17 51	3 7
S 7	23 19	28 3	4 33	17 49	2 33	16 17	3 10	19 45	0 1	8 39	1 18	15 18	1 37	7 45	0 46	22 34	0 43	16 54	6 12	8 29	8 10	12 55	17 53	3 7
M 8	23 22	26 10	3 52	18 4	2 26	16 7	3 19	19 55	0 0	8 39	1 17	15 17	1 37	7 45	0 46	22 34	0 43	16 54	6 12	8 33	8 12	12 52	17 54	3 7
T 9	23 25	22 33	2 56	18 21	2 19	15 58	3 28	20 5	0s 0	8 39	1 17	15 15	1 37	7 44	0 46	22 34	0 43	16 54	6 12	8 35	8 13	12 49	17 55	3 8
W10	23 27	17 32	1 49	18 39	2 12	15 50	3 36	20 15	0 1	8 39	1 17	15 13	1 37	7 44	0 46	22 34	0 43	16 54	6 12	8 37	8 14	12 46	17 56	3 8
T 11	23 30	11 34	0 35	18 57	2 4	15 44	3 43	20 24	0 2	8 39	1 16	15 12	1 37	7 43	0 46	22 33	0 43	16 54	6 12	8 37	8 15	12 43	17 57	3 8
F 12	23 31	5 5	0s40	19 16	1 56	15 38	3 50	20 34	0 2	8 39	1 16	15 10	1 37	7 43	0 46	22 33	0 43	16 54	6 12	8 37	8 16	12 40	17 58	3 8
S 13	23 32	1s34	1 52	19 36	1 48	15 34	3 57	20 43	0 3	8 39	1 16	15 8	1 37	7 42	0 46	22 33	0 43	16 54	6 12	8 37	8 18	12 37	17 59	3 9
S 14	23 33	8 2	2 57	19 55	1 40	15 30	4 3	20 53	0 4	8 39	1 15	15 6	1 36	7 41	0 45	22 33	0 43	16 54	6 12	8 38	8 19	12 33	18 0	3 9
M15	23 33	14 3	3 50	20 15	1 31	15 27	4 8	21 2	0 4	8 40	1 15	15 4	1 36	7 41	0 45	22 33	0 43	16 54	6 12	8 39	8 20	12 30	18 1	3 9
T 16	23 33	19 19	4 30	20 35	1 23	15 26	4 13	21 10	0 5	8 40	1 15	15 3	1 36	7 40	0 45	22 33	0 43	16 54	6 12	8 41	8 21	12 27	18 1	3 10
W17	23 32	23 34	4 54	20 54	1 14	15 25	4 18	21 19	0 6	8 41	1 14	15 1	1 36	7 39	0 45	22 33	0 43	16 54	6 12	8 44	8 22	12 24	18 2	3 10
T 18	23 31	26 32	5 3	21 13	1 6	15 25	4 22	21 27	0 6	8 41	1 14	14 59	1 36	7 39	0 45	22 32	0 43	16 54	6 12	8 48	8 24	12 21	18 3	3 10
F 19	23 29	28 4	4 56	21 31	0 57	15 26	4 26	21 36	0 7	8 42	1 14	14 57	1 36	7 38	0 45	22 32	0 43	16 54	6 12	8 52	8 25	12 18	18 4	3 11
S 20	23 27	28 6	4 34	21 49	0 49	15 28	4 29	21 44	0 8	8 43	1 13	14 55	1 36	7 37	0 45	22 32	0 43	16 54	6 12	8 57	8 26	12 14	18 5	3 11
S 21	23 24	26 40	4 0	22 6	0 41	15 30	4 32	21 51	0 8	8 43	1 13	14 53	1 36	7 37	0 45	22 32	0 43	16 54	6 11	9 1	8 27	12 11	18 6	3 11
M22	23 21	23 59	3 14	22 22	0 33	15 33	4 35	21 59	0 9	8 44	1 13	14 51	1 36	7 36	0 45	22 32	0 43	16 54	6 11	9 4	8 28	12 8	18 7	3 12
T 23	23 17	20 16	2 21	22 38	0 24	15 37	4 37	22 6	0 10	8 45	1 12	14 49	1 36	7 35	0 45	22 32	0 43	16 54	6 11	9 7	8 30	12 5	18 8	3 12
W24	23 13	15 47	1 21	22 53	0 16	15 41	4 39	22 14	0 11	8 46	1 12	14 47	1 36	7 34	0 45	22 32	0 43	16 54	6 11	9 8	8 31	12 2	18 8	3 12
T 25	23 8	10 45	0 19	23 7	0 9	15 46	4 41	22 21	0 11	8 47	1 12	14 45	1 36	7 34	0 45	22 31	0 43	16 54	6 11	9 9	8 32	11 59	18 9	3 13
F 26	23 3	5 21	0n44	23 20	0 1	15 51	4 42	22 27	0 12	8 49	1 11	14 43	1 36	7 33	0 45	22 31	0 43	16 54	6 11	9 9	8 33	11 55	18 10	3 13
S 27	22 58	0n15	1 46	23 32	0s 7	15 57	4 43	22 34	0 13	8 50	1 11	14 41	1 36	7 32	0 45	22 31	0 43	16 54	6 11	9 8	8 34	11 52	18 11	3 13
S 28	22 52	5 54	2 43	23 43	0 14	16 3	4 44	22 40	0 13	8 51	1 11	14 39	1 36	7 31	0 45	22 31	0 43	16 54	6 11	9 8	8 36	11 49	18 11	3 14
M29	22 45	11 25	3 35	23 52	0 22	16 10	4 44	22 47	0 14	8 52	1 11	14 37	1 36	7 30	0 45	22 31	0 43	16 54	6 11	9 8	8 37	11 46	18 12	3 14
T 30	22 39	16 38	4 17	24 1	0 29	16 17	4 44	22 52	0 15	8 54	1 10	14 34	1 36	7 29	0 45	22 31	0 43	16 54	6 10	9 9	8 38	11 43	18 13	3 14
W31	22s31	21n18	4n49	24s 9	0s36	16s24	4n44	22s58	0s15	8n55	1s10	14s32	1s36	7s29	0s45	22s31	0n43	16n54	6s10	9s10	8s39	11s39	18s13	3n15

Julian Day Number = 2148369.5, Delta T = 14m29s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'00, Lahiri = 12°17'00 Julian Calendar 1 Dec. 1169 == Greg. Calendar 8 Dec. 1169

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

JANUARY 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 7 40	17♑32'33	29♉15	1♑19	4♐43	15♐51	25♈51	25♒43	12♓50	9♑16	18°R28	6°R24	7♓50	1♓19	6♐12	T 1
F 2	7 11 37	18°33'37	13♊ 0	2°49	5°25	16°35	25°55	25°50	12°52	9°18	18♊27	6♓17	7°47	1°26	6°18	F 2
S 3	7 15 33	19°34'40	27°12	4°20	6° 7	17°18	25°59	25°56	12°55	9°20	18°26	6° 9	7°43	1°32	6°24	S 3
S 4	7 19 30	20°35'42	11♋45	5°51	6°51	18° 2	26° 3	26° 2	12°57	9°22	18°25	6° 1	7°40	1°39	6°30	S 4
M 5	7 23 26	21°36'43	26°35	7°22	7°36	18°46	26° 7	26° 9	13° 0	9°25	18°24	5°55	7°37	1°45	6°36	M 5
T 6	7 27 23	22°37'44	11♌32	8°55	8°22	19°30	26°12	26°15	13° 2	9°27	18°23	5°50	7°34	1°52	6°41	T 6
W 7	7 31 20	23°38'43	26°28	10°28	9° 8	20°14	26°16	26°22	13° 4	9°29	18°22	5°48	7°31	1°59	6°47	W 7
T 8	7 35 16	24°39'42	11♍15	12° 1	9°56	20°58	26°21	26°29	13° 7	9°31	18°21	5°D48	7°28	2° 5	6°53	T 8
F 9	7 39 13	25°40'40	25°48	13°35	10°45	21°42	26°26	26°35	13°10	9°34	18°20	5°49	7°24	2°12	6°59	F 9
S 10	7 43 9	26°41'37	10♎ 2	15°10	11°34	22°27	26°32	26°42	13°12	9°36	18°19	5°50	7°21	2°19	7° 4	S 10
S 11	7 47 6	27°42'34	23°57	16°46	12°24	23°11	26°37	26°49	13°15	9°38	18°18	5°R51	7°18	2°25	7°10	S 11
M12	7 51 2	28°43'29	7♏33	18°22	13°15	23°55	26°43	26°56	13°17	9°40	18°17	5°51	7°15	2°32	7°15	M12
T 13	7 54 59	29°44'25	20°50	19°59	14° 7	24°39	26°48	27° 2	13°20	9°42	18°16	5°49	7°12	2°39	7°21	T 13
W14	7 58 55	0♒45'19	3♐52	21°37	14°59	25°24	26°54	27° 9	13°23	9°44	18°15	5°45	7° 9	2°45	7°26	W14
T 15	8 2 52	1°46'12	16°39	23°15	15°52	26° 8	27° 1	27°16	13°25	9°47	18°15	5°40	7° 5	2°52	7°31	T 15
F 16	8 6 49	2°47'05	29°13	24°54	16°46	26°52	27° 7	27°23	13°28	9°49	18°14	5°34	7° 2	2°59	7°36	F 16
S 17	8 10 45	3°47'56	11♑35	26°34	17°40	27°37	27°13	27°30	13°31	9°51	18°13	5°28	6°59	3° 5	7°42	S 17
S 18	8 14 42	4°48'46	23°47	28°15	18°35	28°21	27°20	27°37	13°34	9°53	18°12	5°23	6°56	3°12	7°47	S 18
M19	8 18 38	5°49'35	5♒50	29°56	19°31	29° 5	27°27	27°44	13°37	9°55	18°11	5°19	6°53	3°19	7°52	M19
T 20	8 22 35	6°50'23	17°46	1♒38	20°27	29°50	27°34	27°51	13°40	9°57	18°11	5°16	6°49	3°25	7°57	T 20
W21	8 26 31	7°51'09	29°36	3°21	21°23	0♑34	27°41	27°58	13°43	9°59	18°10	5°D14	6°46	3°32	8° 1	W21
T 22	8 30 28	8°51'54	11♓23	5° 5	22°20	1°19	27°48	28° 5	13°46	10° 1	18° 9	5°14	6°43	3°38	8° 6	T 22
F 23	8 34 24	9°52'37	23° 9	6°50	23°18	2° 4	27°55	28°12	13°48	10° 3	18° 9	5°15	6°40	3°45	8°11	F 23
S 24	8 38 21	10°53'19	4♈59	8°35	24°16	2°48	28° 3	28°19	13°51	10° 5	18° 8	5°17	6°37	3°52	8°15	S 24
S 25	8 42 18	11°53'59	16°55	10°21	25°15	3°33	28°11	28°27	13°54	10° 7	18° 7	5°19	6°34	3°58	8°20	S 25
M26	8 46 14	12°54'37	29° 4	12° 8	26°14	4°17	28°19	28°34	13°58	10° 9	18° 7	5°20	6°30	4° 5	8°24	M26
T 27	8 50 11	13°55'13	11♉28	13°56	27°13	5° 2	28°27	28°41	14° 1	10°11	18° 6	5°R21	6°27	4°12	8°29	T 27
W28	8 54 7	14°55'48	24°13	15°45	28°13	5°47	28°35	28°48	14° 4	10°13	18° 5	5°21	6°24	4°18	8°33	W28
T 29	8 58 4	15°56'21	7♊23	17°34	29°13	6°32	28°43	28°55	14° 7	10°15	18° 5	5°19	6°21	4°25	8°37	T 29
F 30	9 2 0	16°56'52	21° 0	19°25	0♑14	7°16	28°51	29° 3	14°10	10°17	18° 4	5°17	6°18	4°32	8°41	F 30
S 31	9 5 57	17♒57'21	5♋ 6	21♒15	1♑14	8♑ 1	29♈ 0	29♒10	14♓13	10♑19	18♊ 4	5♓15	6♓15	4♓38	8♐45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s24	25n 3	5n 6	24s15	0s42	16s32	4n44	23s 4	0s16	8n57	1s10	14s30	1s35	7s28	0s45	22s30	0n43	16n54	6s10	9s12	8s40	11s36	18s14	3n15
F 2	22 15	27 31	5 6	24 20	0 49	16 39	4 43	23 9	0 17	8 59	1 9	14 28	1 35	7 27	0 45	22 30	0 43	16 54	6 10	9 15	8 41	11 33	18 15	3 16
S 3	22 7	28 19	4 48	24 24	0 55	16 48	4 42	23 14	0 18	9 0	1 9	14 26	1 35	7 26	0 45	22 30	0 43	16 54	6 10	9 18	8 43	11 30	18 15	3 16
S 4	21 58	27 11	4 11	24 26	1 1	16 56	4 41	23 19	0 18	9 2	1 9	14 23	1 35	7 25	0 45	22 30	0 43	16 54	6 10	9 21	8 44	11 27	18 16	3 16
M 5	21 48	24 9	3 16	24 28	1 7	17 4	4 40	23 23	0 19	9 4	1 8	14 21	1 35	7 24	0 45	22 30	0 43	16 54	6 10	9 23	8 45	11 23	18 17	3 17
T 6	21 38	19 27	2 8	24 28	1 13	17 13	4 38	23 28	0 20	9 6	1 8	14 19	1 35	7 23	0 45	22 30	0 43	16 54	6 10	9 25	8 46	11 20	18 17	3 17
W 7	21 28	13 32	0 50	24 26	1 18	17 22	4 37	23 32	0 20	9 8	1 8	14 17	1 35	7 22	0 45	22 30	0 43	16 54	6 9	9 26	8 47	11 17	18 18	3 18
T 8	21 17	6 55	0s30	24 23	1 23	17 31	4 35	23 36	0 21	9 10	1 8	14 14	1 35	7 21	0 45	22 29	0 43	16 54	6 9	9 26	8 49	11 14	18 18	3 18
F 9	21 6	0 3	1 47	24 19	1 28	17 40	4 33	23 39	0 22	9 12	1 7	14 12	1 35	7 20	0 45	22 29	0 43	16 54	6 9	9 25	8 50	11 11	18 19	3 18
S 10	20 55	6s41	2 55	24 13	1 33	17 48	4 31	23 43	0 23	9 14	1 7	14 10	1 35	7 19	0 45	22 29	0 43	16 54	6 9	9 25	8 51	11 7	18 19	3 19
S 11	20 43	12 56	3 52	24 6	1 37	17 57	4 28	23 46	0 23	9 17	1 7	14 7	1 35	7 18	0 45	22 29	0 43	16 54	6 9	9 24	8 52	11 4	18 20	3 19
M12	20 31	18 25	4 35	23 57	1 41	18 6	4 26	23 49	0 24	9 19	1 6	14 5	1 35	7 17	0 45	22 29	0 43	16 54	6 9	9 24	8 53	11 1	18 20	3 20
T 13	20 18	22 53	5 1	23 47	1 45	18 15	4 23	23 51	0 25	9 21	1 6	14 3	1 35	7 16	0 44	22 29	0 43	16 54	6 9	9 25	8 55	10 58	18 21	3 20
W14	20 5	26 7	5 11	23 35	1 49	18 24	4 20	23 54	0 26	9 24	1 6	14 0	1 35	7 15	0 44	22 28	0 43	16 55	6 8	9 27	8 56	10 54	18 21	3 21
T 15	19 51	27 57	5 6	23 22	1 52	18 32	4 17	23 56	0 26	9 26	1 5	13 58	1 35	7 14	0 44	22 28	0 43	16 55	6 8	9 28	8 57	10 51	18 22	3 21
F 16	19 38	28 19	4 46	23 7	1 55	18 41	4 14	23 58	0 27	9 29	1 5	13 55	1 35	7 13	0 44	22 28	0 43	16 55	6 8	9 31	8 58	10 48	18 22	3 21
S 17	19 23	27 14	4 12	22 51	1 57	18 49	4 11	23 59	0 28	9 31	1 5	13 53	1 35	7 11	0 44	22 28	0 43	16 55	6 8	9 33	8 59	10 45	18 22	3 22
S 18	19 9	24 51	3 28	22 33	1 59	18 57	4 7	24 1	0 28	9 34	1 5	13 51	1 35	7 10	0 44	22 28	0 43	16 55	6 8	9 35	9 0	10 42	18 23	3 22
M19	18 54	21 23	2 34	22 14	2 1	19 5	4 4	24 2	0 29	9 37	1 4	13 48	1 35	7 9	0 44	22 28	0 43	16 55	6 8	9 36	9 2	10 38	18 23	3 23
T 20	18 39	17 5	1 35	21 52	2 2	19 12	4 0	24 3	0 30	9 39	1 4	13 46	1 35	7 8	0 44	22 28	0 43	16 55	6 8	9 38	9 3	10 35	18 23	3 23
W21	18 23	12 9	0 31	21 30	2 3	19 20	3 57	24 4	0 31	9 42	1 4	13 43	1 35	7 7	0 44	22 27	0 43	16 55	6 7	9 38	9 4	10 32	18 24	3 24
T 22	18 7	6 48	0n34	21 5	2 4	19 27	3 53	24 4	0 31	9 45	1 4	13 41	1 35	7 6	0 44	22 27	0 43	16 55	6 7	9 38	9 5	10 29	18 24	3 24
F 23	17 51	1 15	1 37	20 39	2 4	19 34	3 49	24 4	0 32	9 48	1 3	13 38	1 35	7 5	0 44	22 27	0 43	16 55	6 7	9 38	9 6	10 25	18 24	3 25
S 24	17 35	4n23	2 37	20 11	2 4	19 41	3 45	24 4	0 33	9 51	1 3	13 36	1 35	7 3	0 44	22 27	0 43	16 55	6 7	9 37	9 8	10 22	18 25	3 25
S 25	17 18	9 55	3 30	19 42	2 3	19 47	3 41	24 4	0 34	9 54	1 3	13 33	1 35	7 2	0 44	22 27	0 43	16 56	6 7	9 36	9 9	10 19	18 25	3 26
M26	17 1	15 9	4 15	19 11	2 2	19 53	3 37	24 3	0 34	9 57	1 2	13 31	1 35	7 1	0 44	22 27	0 43	16 56	6 7	9 36	9 10	10 16	18 25	3 26
T 27	16 44	19 55	4 49	18 38	2 0	19 59	3 33	24 2	0 35	10 0	1 2	13 28	1 35	7 0	0 44	22 26	0 43	16 56	6 6	9 36	9 11	10 12	18 25	3 27
W28	16 26	23 55	5 10	18 4	1 58	20 4	3 28	24 1	0 36	10 3	1 2	13 26	1 35	6 59	0 44	22 26	0 43	16 56	6 6	9 36	9 12	10 9	18 25	3 27
T 29	16 8	26 50	5 16	17 28	1 55	20 9	3 24	24 0	0 37	10 6	1 2	13 23	1 35	6 57	0 44	22 26	0 43	16 56	6 6	9 36	9 13	10 6	18 26	3 28
F 30	15 50	28 18	5 4	16 50	1 52	20 13	3 20	23 58	0 37	10 10	1 1	13 21	1 35	6 56	0 44	22 26	0 43	16 56	6 6	9 37	9 15	10 3	18 26	3 28
S 31	15s31	28n 1	4n34	16s11	1s48	20s17	3n15	23s56	0s38	10n13	1s 1	13s18	1s35	6s55	0s44	22s26	0n43	16n56	6s 6	9s38	9s16	9s59	18s26	3n28

Julian Day Number = 2148400.5, Delta T = 14m29s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'04, Lahiri = 12°17'04 Julian Calendar 1 Jan. 1170 == Greg. Calendar 8 Jan. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

FEBRUARY 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 53	18♒57'49	19♋38	23♒ 7	2♑16	8♑46	29♈ 9	29♒17	14♓16	10♑21	18°R 3	5°R13	6♓11	4♓45	8♐49	S 1
M 2	9 13 50	19°58'14	4♌31	24°59	3°17	9°31	29°18	29°25	14°19	10°23	18♊ 3	5♓11	6° 8	4°52	8°53	M 2
T 3	9 17 47	20°58'38	19°38	26°52	4°19	10°16	29°27	29°32	14°23	10°25	18° 2	5°10	6° 5	4°58	8°57	T 3
W 4	9 21 43	21°59'00	4♍51	28°45	5°22	11° 1	29°36	29°39	14°26	10°27	18° 2	5°D 9	6° 2	5° 5	9° 1	W 4
T 5	9 25 40	22°59'20	19°58	0♓38	6°24	11°45	29°45	29°47	14°29	10°28	18° 1	5°10	5°59	5°11	9° 4	T 5
F 6	9 29 36	23°59'39	4♎53	2°31	7°27	12°30	29°54	29°54	14°32	10°30	18° 1	5°11	5°55	5°18	9° 8	F 6
S 7	9 33 33	24°59'56	19°27	4°24	8°30	13°15	0♉ 4	0♓ 1	14°36	10°32	18° 1	5°11	5°52	5°25	9°11	S 7
S 8	9 37 29	26° 0'12	3♏37	6°17	9°34	14° 0	0°13	0° 9	14°39	10°34	18° 0	5°12	5°49	5°31	9°15	S 8
M 9	9 41 26	27° 0'26	17°21	8° 9	10°38	14°46	0°23	0°16	14°42	10°35	18° 0	5°13	5°46	5°38	9°18	M 9
T 10	9 45 22	28° 0'39	0♐42	10° 0	11°42	15°31	0°33	0°23	14°46	10°37	18° 0	5°R13	5°43	5°45	9°21	T 10
W11	9 49 19	29° 0'50	13°39	11°50	12°46	16°16	0°43	0°31	14°49	10°39	17°59	5°13	5°40	5°51	9°24	W11
T 12	9 53 16	0♓ 1'00	26°18	13°38	13°51	17° 1	0°53	0°38	14°52	10°40	17°59	5°12	5°36	5°58	9°27	T 12
F 13	9 57 12	1° 1'08	8♑40	15°24	14°55	17°46	1° 3	0°46	14°56	10°42	17°59	5°12	5°33	6° 5	9°30	F 13
S 14	10 1 9	2° 1'14	20°50	17° 7	16° 0	18°31	1°13	0°53	14°59	10°44	17°59	5°11	5°30	6°11	9°33	S 14
S 15	10 5 5	3° 1'19	2♒50	18°47	17° 6	19°16	1°24	1° 0	15° 2	10°45	17°58	5°11	5°27	6°18	9°36	S 15
M16	10 9 2	4° 1'21	14°43	20°24	18°11	20° 2	1°34	1° 8	15° 6	10°47	17°58	5°11	5°24	6°25	9°39	M16
T 17	10 12 58	5° 1'22	26°32	21°56	19°17	20°47	1°45	1°15	15° 9	10°48	17°58	5°D11	5°21	6°31	9°41	T 17
W18	10 16 55	6° 1'21	8♓19	23°24	20°22	21°32	1°56	1°22	15°12	10°50	17°58	5°R11	5°17	6°38	9°44	W18
T 19	10 20 51	7° 1'18	20° 7	24°46	21°29	22°17	2° 6	1°30	15°16	10°51	17°58	5°10	5°14	6°44	9°46	T 19
F 20	10 24 48	8° 1'13	1♈56	26° 3	22°35	23° 3	2°17	1°37	15°19	10°53	17°58	5°10	5°11	6°51	9°48	F 20
S 21	10 28 45	9° 1'06	13°51	27°13	23°41	23°48	2°28	1°45	15°23	10°54	17°58	5°10	5° 8	6°58	9°50	S 21
S 22	10 32 41	10° 0'57	25°53	28°16	24°48	24°33	2°39	1°52	15°26	10°55	17°57	5° 9	5° 5	7° 4	9°52	S 22
M23	10 36 38	11° 0'45	8♉ 6	29°13	25°54	25°19	2°51	1°59	15°30	10°57	17°57	5° 9	5° 1	7°11	9°54	M23
T 24	10 40 34	12° 0'32	20°32	0♈ 1	27° 1	26° 4	3° 2	2° 7	15°33	10°58	17°D57	5° 8	4°58	7°18	9°56	T 24
W25	10 44 31	13° 0'16	3♊16	0°42	28° 8	26°49	3°13	2°14	15°36	10°59	17°57	5° 7	4°55	7°24	9°58	W25
T 26	10 48 27	13°59'58	16°20	1°15	29°15	27°35	3°25	2°21	15°40	11° 1	17°58	5°D 7	4°52	7°31	10° 0	T 26
F 27	10 52 24	14°59'37	29°48	1°40	0♒23	28°20	3°36	2°28	15°43	11° 2	17°58	5° 8	4°49	7°38	10° 1	F 27
S 28	10 56 20	15♓59'15	13♋40	1♈56	1♒30	29♑ 6	3♉48	2♓36	15♓47	11♑ 3	17♊58	5♓ 8	4♓46	7♓44	10♐ 3	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s12	25n50	3n46	15s30	1s44	20s21	3n11	23s54	0s39	10n16	1s 1	13s16	1s35	6s54	0s44	22s26	0n43	16n56	6s 6	9s39	9s17	9s56	18s26	3n29
M 2	14 53	21 50	2 42	14 48	1 39	20 24	3 6	23 52	0 40	10 20	1 1	13 13	1 35	6 52	0 44	22 26	0 43	16 57	6 5	9 39	9 18	9 53	18 26	3 29
T 3	14 34	16 20	1 25	14 4	1 33	20 27	3 2	23 49	0 40	10 23	1 0	13 10	1 35	6 51	0 44	22 25	0 43	16 57	6 5	9 40	9 19	9 50	18 26	3 30
W 4	14 15	9 48	0 2	13 19	1 27	20 30	2 57	23 46	0 41	10 26	1 0	13 8	1 35	6 50	0 44	22 25	0 43	16 57	6 5	9 40	9 20	9 46	18 26	3 31
T 5	13 55	2 45	1s21	12 33	1 20	20 32	2 52	23 43	0 42	10 30	1 0	13 5	1 35	6 49	0 44	22 25	0 43	16 57	6 5	9 40	9 22	9 43	18 26	3 31
F 6	13 35	4s21	2 38	11 45	1 13	20 33	2 48	23 40	0 43	10 33	1 0	13 3	1 35	6 47	0 44	22 25	0 43	16 57	6 5	9 39	9 23	9 40	18 26	3 32
S 7	13 15	11 4	3 42	10 56	1 5	20 34	2 43	23 36	0 43	10 37	1 0	13 0	1 35	6 46	0 44	22 25	0 43	16 57	6 4	9 39	9 24	9 36	18 26	3 32
S 8	12 55	17 1	4 31	10 7	0 56	20 35	2 38	23 33	0 44	10 41	0 59	12 58	1 36	6 45	0 44	22 25	0 43	16 57	6 4	9 39	9 25	9 33	18 26	3 33
M 9	12 34	21 55	5 2	9 16	0 46	20 35	2 33	23 28	0 45	10 44	0 59	12 55	1 36	6 44	0 44	22 25	0 43	16 58	6 4	9 39	9 26	9 30	18 26	3 33
T 10	12 13	25 33	5 17	8 25	0 36	20 34	2 28	23 24	0 46	10 48	0 59	12 52	1 36	6 42	0 44	22 24	0 43	16 58	6 4	9 39	9 28	9 27	18 26	3 34
W11	11 52	27 44	5 14	7 33	0 26	20 33	2 23	23 19	0 46	10 52	0 59	12 50	1 36	6 41	0 44	22 24	0 43	16 58	6 4	9 39	9 29	9 23	18 26	3 34
T 12	11 31	28 26	4 56	6 41	0 14	20 32	2 19	23 15	0 47	10 55	0 58	12 47	1 36	6 40	0 44	22 24	0 43	16 58	6 4	9 39	9 30	9 20	18 26	3 35
F 13	11 10	27 41	4 25	5 49	0 3	20 30	2 14	23 9	0 48	10 59	0 58	12 45	1 36	6 38	0 44	22 24	0 43	16 58	6 3	9 39	9 31	9 17	18 26	3 35
S 14	10 48	25 35	3 42	4 58	0n10	20 27	2 9	23 4	0 49	11 3	0 58	12 42	1 36	6 37	0 44	22 24	0 43	16 58	6 3	9 39	9 32	9 14	18 26	3 36
S 15	10 27	22 23	2 50	4 7	0 22	20 24	2 4	22 58	0 50	11 7	0 58	12 40	1 36	6 36	0 44	22 24	0 43	16 59	6 3	9 39	9 33	9 10	18 26	3 36
M16	10 5	18 16	1 51	3 17	0 36	20 20	1 59	22 53	0 50	11 11	0 58	12 37	1 36	6 34	0 44	22 24	0 43	16 59	6 3	9 39	9 35	9 7	18 25	3 37
T 17	9 43	13 29	0 48	2 28	0 49	20 16	1 54	22 46	0 51	11 14	0 57	12 34	1 36	6 33	0 44	22 23	0 43	16 59	6 3	9 39	9 36	9 4	18 25	3 37
W18	9 21	8 13	0n17	1 40	1 3	20 12	1 49	22 40	0 52	11 18	0 57	12 32	1 36	6 32	0 44	22 23	0 43	16 59	6 2	9 39	9 37	9 0	18 25	3 38
T 19	8 58	2 41	1 22	0 55	1 16	20 6	1 44	22 34	0 53	11 22	0 57	12 29	1 36	6 30	0 44	22 23	0 43	16 59	6 2	9 39	9 38	8 57	18 25	3 38
F 20	8 36	2n58	2 23	0 12	1 30	20 1	1 40	22 27	0 53	11 26	0 57	12 27	1 36	6 29	0 44	22 23	0 43	16 59	6 2	9 39	9 39	8 54	18 25	3 39
S 21	8 13	8 32	3 19	0n29	1 44	19 54	1 35	22 20	0 54	11 30	0 56	12 24	1 36	6 28	0 44	22 23	0 43	17 0	6 2	9 40	9 40	8 51	18 24	3 40
S 22	7 51	13 52	4 6	1 6	1 57	19 48	1 30	22 12	0 55	11 34	0 56	12 21	1 36	6 26	0 44	22 23	0 43	17 0	6 2	9 40	9 42	8 47	18 24	3 40
M23	7 28	18 44	4 43	1 41	2 11	19 40	1 25	22 5	0 56	11 38	0 56	12 19	1 36	6 25	0 44	22 23	0 43	17 0	6 2	9 40	9 43	8 44	18 24	3 41
T 24	7 5	22 54	5 7	2 12	2 23	19 32	1 20	21 57	0 56	11 42	0 56	12 16	1 36	6 24	0 44	22 23	0 43	17 0	6 1	9 40	9 44	8 41	18 24	3 41
W25	6 42	26 6	5 17	2 39	2 35	19 24	1 16	21 49	0 57	11 46	0 56	12 14	1 37	6 22	0 44	22 22	0 43	17 0	6 1	9 41	9 45	8 37	18 23	3 42
T 26	6 19	28 0	5 12	3 3	2 46	19 15	1 11	21 41	0 58	11 50	0 55	12 11	1 37	6 21	0 44	22 22	0 43	17 1	6 1	9 41	9 46	8 34	18 23	3 42
F 27	5 56	28 22	4 49	3 22	2 57	19 5	1 6	21 33	0 59	11 55	0 55	12 9	1 37	6 20	0 44	22 22	0 43	17 1	6 1	9 40	9 47	8 31	18 23	3 43
S 28	5s33	26n58	4n 9	3n37	3n 6	18s55	1n 1	21s24	0s59	11n59	0s55	12s 6	1s37	6s18	0s44	22s22	0n43	17n 1	6s 1	9s40	9s49	8s27	18s22	3n43

Julian Day Number = 2148431.5, Delta T = 14m28s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'08, Lahiri = 12°17'09 Julian Calendar 1 Feb. 1170 == Greg. Calendar 8 Feb. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

MARCH 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 0 17	16♓58'50	27♋58	2°R 4	2♒38	29♑51	4♉ 0	2♓43	15♓50	11♑ 4	17♊58	5♓ 9	4♓42	7♓51	10♐ 4	S 1
M 2	11 4 14	17°58'22	12♌39	2♈ 4	3°45	0♒37	4°12	2°50	15°54	11° 6	17°58	5°10	4°39	7°58	10° 5	M 2
T 3	11 8 10	18°57'52	27°39	1°57	4°53	1°22	4°24	2°57	15°57	11° 7	17°58	5°R11	4°36	8° 4	10° 7	T 3
W 4	11 12 7	19°57'20	12♍49	1°41	6° 1	2° 8	4°36	3° 5	16° 0	11° 8	17°58	5°11	4°33	8°11	10° 8	W 4
T 5	11 16 3	20°56'46	28° 1	1°18	7° 9	2°53	4°48	3°12	16° 4	11° 9	17°58	5°10	4°30	8°18	10° 9	T 5
F 6	11 20 0	21°56'10	13♎ 6	0°49	8°17	3°39	5° 0	3°19	16° 7	11°10	17°59	5° 8	4°26	8°24	10° 9	F 6
S 7	11 23 56	22°55'32	27°54	0°14	9°26	4°24	5°12	3°26	16°11	11°11	17°59	5° 6	4°23	8°31	10°10	S 7
S 8	11 27 53	23°54'52	12♏18	29♓35	10°34	5°10	5°24	3°33	16°14	11°12	17°59	5° 4	4°20	8°37	10°11	S 8
M 9	11 31 49	24°54'10	26°15	28°51	11°43	5°55	5°37	3°40	16°18	11°13	18° 0	5° 1	4°17	8°44	10°12	M 9
T 10	11 35 46	25°53'27	9♐44	28° 3	12°51	6°41	5°49	3°47	16°21	11°14	18° 0	5° 0	4°14	8°51	10°12	T 10
W11	11 39 43	26°52'41	22°47	27°14	14° 0	7°26	6° 1	3°54	16°24	11°15	18° 0	4°D59	4°11	8°57	10°12	W11
T 12	11 43 39	27°51'54	5♑25	26°24	15° 9	8°12	6°14	4° 1	16°28	11°16	18° 1	4°59	4° 7	9° 4	10°13	T 12
F 13	11 47 36	28°51'05	17°45	25°34	16°18	8°58	6°27	4° 8	16°31	11°16	18° 1	5° 0	4° 4	9°11	10°13	F 13
S 14	11 51 32	29°50'15	29°49	24°44	17°27	9°43	6°39	4°15	16°34	11°17	18° 1	5° 2	4° 1	9°17	10°R13	S 14
S 15	11 55 29	0♈49'22	11♒44	23°56	18°36	10°29	6°52	4°22	16°38	11°18	18° 2	5° 3	3°58	9°24	10°13	S 15
M16	11 59 25	1°48'27	23°32	23°12	19°46	11°14	7° 5	4°29	16°41	11°19	18° 2	5° 5	3°55	9°31	10°13	M16
T 17	12 3 22	2°47'31	5♓18	22°30	20°55	12° 0	7°18	4°36	16°45	11°19	18° 3	5°R 5	3°52	9°37	10°13	T 17
W18	12 7 18	3°46'32	17° 5	21°52	22° 4	12°46	7°31	4°42	16°48	11°20	18° 3	5° 5	3°48	9°44	10°12	W18
T 19	12 11 15	4°45'32	28°56	21°19	23°14	13°31	7°44	4°49	16°51	11°21	18° 4	5° 2	3°45	9°51	10°12	T 19
F 20	12 15 11	5°44'29	10♈53	20°51	24°23	14°17	7°57	4°56	16°54	11°21	18° 4	4°59	3°42	9°57	10°11	F 20
S 21	12 19 8	6°43'25	22°57	20°28	25°33	15° 3	8°10	5° 3	16°58	11°22	18° 5	4°54	3°39	10° 4	10°11	S 21
S 22	12 23 5	7°42'18	5♉11	20°10	26°43	15°48	8°23	5° 9	17° 1	11°22	18° 5	4°48	3°36	10°10	10°10	S 22
M23	12 27 1	8°41'09	17°35	19°57	27°53	16°34	8°36	5°16	17° 4	11°23	18° 6	4°42	3°32	10°17	10° 9	M23
T 24	12 30 58	9°39'59	0♊12	19°50	29° 2	17°20	8°49	5°22	17° 8	11°23	18° 7	4°37	3°29	10°24	10° 9	T 24
W25	12 34 54	10°38'45	13° 3	19°D48	0♓12	18° 5	9° 2	5°29	17°11	11°24	18° 7	4°32	3°26	10°30	10° 8	W25
T 26	12 38 51	11°37'30	26° 9	19°51	1°22	18°51	9°16	5°35	17°14	11°24	18° 8	4°30	3°23	10°37	10° 6	T 26
F 27	12 42 47	12°36'12	9♋33	20° 0	2°32	19°36	9°29	5°42	17°17	11°25	18° 9	4°D29	3°20	10°44	10° 5	F 27
S 28	12 46 44	13°34'53	23°16	20°13	3°42	20°22	9°43	5°48	17°20	11°25	18° 9	4°29	3°17	10°50	10° 4	S 28
S 29	12 50 40	14°33'30	7♌19	20°31	4°53	21° 8	9°56	5°55	17°23	11°25	18°10	4°30	3°13	10°57	10° 3	S 29
M30	12 54 37	15°32'06	21°42	20°54	6° 3	21°53	10° 9	6° 1	17°27	11°26	18°11	4°31	3°10	11° 4	10° 1	M30
T 31	12 58 34	16♈30'39	6♍23	21♓22	7♓13	22♒39	10♉23	6♓ 7	17♓30	11♑26	18♊12	4°R32	3♓ 7	11♓10	10♐ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s10	23n48	3n12	3n48	3n14	18s45	0n57	21s15	1s 0	12n 3	0s55	12s 4	1s37	6s17	0s44	22s22	0n43	17n 1	6s 0	9s40	9s50	8s24	18s22	3n44
M 2	4 47	19 2	2 2	3 54	3 21	18 34	0 52	21 6	1 1	12 7	0 55	12 1	1 37	6 16	0 44	22 22	0 43	17 1	6 0	9 40	9 51	8 21	18 22	3 45
T 3	4 23	13 0	0 42	3 56	3 26	18 22	0 47	20 57	1 1	12 11	0 55	11 58	1 37	6 14	0 44	22 22	0 43	17 2	6 0	9 39	9 52	8 18	18 21	3 45
W 4	4 0	6 8	0s42	3 53	3 30	18 10	0 43	20 47	1 2	12 15	0 54	11 56	1 37	6 13	0 44	22 22	0 43	17 2	6 0	9 39	9 53	8 14	18 21	3 46
T 5	3 36	1s 6	2 3	3 46	3 32	17 57	0 38	20 37	1 3	12 20	0 54	11 53	1 37	6 12	0 44	22 22	0 43	17 2	6 0	9 40	9 54	8 11	18 20	3 46
F 6	3 13	8 11	3 15	3 35	3 33	17 44	0 34	20 28	1 4	12 24	0 54	11 51	1 37	6 10	0 44	22 21	0 43	17 2	5 59	9 40	9 56	8 8	18 20	3 47
S 7	2 49	14 41	4 12	3 20	3 31	17 30	0 29	20 17	1 4	12 28	0 54	11 48	1 37	6 9	0 44	22 21	0 43	17 2	5 59	9 41	9 57	8 4	18 20	3 47
S 8	2 26	20 13	4 51	3 1	3 28	17 16	0 25	20 7	1 5	12 32	0 54	11 46	1 38	6 8	0 44	22 21	0 43	17 3	5 59	9 42	9 58	8 1	18 19	3 48
M 9	2 2	24 27	5 12	2 39	3 23	17 1	0 21	19 56	1 6	12 37	0 53	11 43	1 38	6 6	0 44	22 21	0 43	17 3	5 59	9 43	9 59	7 58	18 19	3 49
T 10	1 38	27 12	5 15	2 14	3 17	16 46	0 16	19 46	1 7	12 41	0 53	11 41	1 38	6 5	0 44	22 21	0 43	17 3	5 59	9 43	10 0	7 54	18 18	3 49
W11	1 15	28 21	5 1	1 46	3 8	16 31	0 12	19 35	1 7	12 45	0 53	11 38	1 38	6 4	0 44	22 21	0 43	17 3	5 59	9 44	10 1	7 51	18 18	3 50
T 12	0 51	27 59	4 33	1 17	2 58	16 14	0 8	19 24	1 8	12 50	0 53	11 36	1 38	6 2	0 44	22 21	0 43	17 3	5 58	9 44	10 3	7 48	18 17	3 50
F 13	0 28	26 12	3 52	0 47	2 47	15 58	0 4	19 12	1 9	12 54	0 53	11 34	1 38	6 1	0 44	22 21	0 43	17 4	5 58	9 43	10 4	7 44	18 17	3 51
S 14	0 4	23 15	3 2	0 16	2 35	15 41	0s 0	19 1	1 9	12 58	0 53	11 31	1 38	6 0	0 44	22 21	0 43	17 4	5 58	9 43	10 5	7 41	18 16	3 51
S 15	0n20	19 21	2 5	0s16	2 21	15 23	0 4	18 49	1 10	13 3	0 53	11 29	1 38	5 58	0 44	22 21	0 43	17 4	5 58	9 42	10 6	7 38	18 16	3 52
M16	0 43	14 44	1 3	0 47	2 7	15 5	0 8	18 37	1 11	13 7	0 52	11 26	1 39	5 57	0 44	22 21	0 43	17 4	5 58	9 42	10 7	7 34	18 15	3 52
T 17	1 7	9 36	0n 1	1 17	1 51	14 47	0 12	18 25	1 12	13 11	0 52	11 24	1 39	5 56	0 44	22 21	0 43	17 4	5 57	9 41	10 8	7 31	18 14	3 53
W18	1 30	4 7	1 5	1 46	1 36	14 28	0 16	18 13	1 12	13 16	0 52	11 22	1 39	5 55	0 44	22 20	0 44	17 5	5 57	9 42	10 9	7 28	18 14	3 54
T 19	1 54	1n31	2 7	2 14	1 20	14 9	0 20	18 0	1 13	13 20	0 52	11 19	1 39	5 53	0 44	22 20	0 44	17 5	5 57	9 42	10 11	7 24	18 13	3 54
F 20	2 17	7 8	3 4	2 40	1 4	13 49	0 23	17 48	1 14	13 24	0 52	11 17	1 39	5 52	0 44	22 20	0 44	17 5	5 57	9 44	10 12	7 21	18 13	3 55
S 21	2 41	12 33	3 52	3 4	0 48	13 29	0 27	17 35	1 14	13 29	0 52	11 14	1 39	5 51	0 44	22 20	0 44	17 5	5 57	9 46	10 13	7 18	18 12	3 55
S 22	3 4	17 34	4 31	3 26	0 32	13 9	0 31	17 22	1 15	13 33	0 51	11 12	1 39	5 49	0 44	22 20	0 44	17 6	5 57	9 48	10 14	7 14	18 11	3 56
M23	3 28	21 55	4 58	3 45	0 16	12 48	0 34	17 9	1 16	13 37	0 51	11 10	1 39	5 48	0 44	22 20	0 44	17 6	5 56	9 50	10 15	7 11	18 11	3 56
T 24	3 51	25 20	5 11	4 2	0 1	12 27	0 38	16 55	1 16	13 42	0 51	11 8	1 40	5 47	0 44	22 20	0 44	17 6	5 56	9 52	10 16	7 8	18 10	3 57
W25	4 14	27 34	5 8	4 16	0s14	12 5	0 41	16 42	1 17	13 46	0 51	11 5	1 40	5 46	0 44	22 20	0 44	17 6	5 56	9 53	10 18	7 4	18 9	3 57
T 26	4 37	28 19	4 50	4 28	0 28	11 43	0 44	16 28	1 18	13 51	0 51	11 3	1 40	5 44	0 44	22 20	0 44	17 7	5 56	9 54	10 19	7 1	18 9	3 58
F 27	5 0	27 27	4 15	4 37	0 42	11 21	0 47	16 15	1 18	13 55	0 51	11 1	1 40	5 43	0 44	22 20	0 44	17 7	5 56	9 55	10 20	6 58	18 8	3 59
S 28	5 23	24 54	3 26	4 44	0 55	10 59	0 51	16 1	1 19	13 59	0 51	10 59	1 40	5 42	0 44	22 20	0 44	17 7	5 55	9 55	10 21	6 54	18 7	3 59
S 29	5 46	20 49	2 23	4 48	1 7	10 36	0 54	15 47	1 20	14 4	0 50	10 56	1 40	5 41	0 44	22 20	0 44	17 7	5 55	9 54	10 22	6 51	18 6	4 0
M30	6 9	15 26	1 9	4 50	1 19	10 13	0 57	15 32	1 20	14 8	0 50	10 54	1 40	5 40	0 44	22 20	0 44	17 7	5 55	9 54	10 23	6 48	18 6	4 0
T 31	6n31	9n 3	0s10	4s49	1s30	9s49	0s59	15s18	1s21	14n12	0s50	10s52	1s41	5s38	0s44	22s20	0n44	17n 8	5s55	9s54	10s24	6s44	18s 5	4n 1

Julian Day Number = 2148459.5, Delta T = 14m28s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'12, Lahiri = 12°17'12 Julian Calendar 1 March 1170 == Greg. Calendar 8 March 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

APRIL 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 2 30	17♈29'10	21♍16	21♓53	8♓23	23♒24	10♉37	6♓13	17♓33	11♏26	18♊12	4°R31	3♓ 4	11♓17	9°R58	W 1
T 2	13 6 27	18°27'39	6♎15	22°29	9°34	24°10	10°50	6°19	17°36	11°26	18°13	4♓28	3° 1	11°24	9♐56	T 2
F 3	13 10 23	19°26'05	21°12	23° 8	10°44	24°56	11° 4	6°25	17°39	11°26	18°14	4°23	2°58	11°30	9°55	F 3
S 4	13 14 20	20°24'30	5♏58	23°52	11°55	25°41	11°17	6°31	17°42	11°26	18°15	4°16	2°54	11°37	9°53	S 4
S 5	13 18 16	21°22'54	20°25	24°39	13° 5	26°27	11°31	6°37	17°45	11°26	18°16	4° 9	2°51	11°44	9°51	S 5
M 6	13 22 13	22°21'15	4♐28	25°29	14°16	27°12	11°45	6°43	17°48	11°27	18°16	4° 1	2°48	11°50	9°49	M 6
T 7	13 26 9	23°19'35	18° 4	26°22	15°27	27°58	11°59	6°49	17°51	11°R27	18°17	3°55	2°45	11°57	9°47	T 7
W 8	13 30 6	24°17'53	1♑12	27°19	16°37	28°44	12°12	6°55	17°54	11°27	18°18	3°51	2°42	12° 3	9°44	W 8
T 9	13 34 3	25°16'10	13°54	28°19	17°48	29°29	12°26	7° 1	17°57	11°26	18°19	3°48	2°38	12°10	9°42	T 9
F 10	13 37 59	26°14'25	26°16	29°21	18°59	0♓15	12°40	7° 6	18° 0	11°26	18°20	3°D47	2°35	12°17	9°40	F 10
S 11	13 41 56	27°12'39	8♒20	0♈26	20°10	1° 0	12°54	7°12	18° 2	11°26	18°21	3°48	2°32	12°23	9°37	S 11
S 12	13 45 52	28°10'51	20°14	1°34	21°21	1°46	13° 8	7°18	18° 5	11°26	18°22	3°49	2°29	12°30	9°35	S 12
M13	13 49 49	29° 9'02	2♓ 2	2°45	22°32	2°31	13°22	7°23	18° 8	11°26	18°23	3°R50	2°26	12°37	9°32	M13
T 14	13 53 45	0♉ 7'10	13°48	3°57	23°43	3°17	13°36	7°29	18°11	11°26	18°24	3°49	2°23	12°43	9°30	T 14
W15	13 57 42	1° 5'18	25°38	5°13	24°54	4° 2	13°50	7°34	18°14	11°25	18°25	3°47	2°19	12°50	9°27	W15
T 16	14 1 38	2° 3'24	7♈34	6°30	26° 5	4°47	14° 3	7°39	18°16	11°25	18°26	3°42	2°16	12°57	9°24	T 16
F 17	14 5 35	3° 1'28	19°40	7°50	27°16	5°33	14°17	7°45	18°19	11°25	18°27	3°34	2°13	13° 3	9°21	F 17
S 18	14 9 32	3°59'30	1♉57	9°13	28°27	6°18	14°31	7°50	18°22	11°24	18°28	3°25	2°10	13°10	9°18	S 18
S 19	14 13 28	4°57'32	14°26	10°37	29°38	7° 4	14°45	7°55	18°24	11°24	18°29	3°14	2° 7	13°17	9°15	S 19
M20	14 17 25	5°55'31	27° 8	12° 4	0♈49	7°49	15° 0	8° 0	18°27	11°24	18°30	3° 3	2° 3	13°23	9°12	M20
T 21	14 21 21	6°53'29	10♊ 3	13°32	2° 0	8°34	15°14	8° 5	18°29	11°23	18°32	2°53	2° 0	13°30	9° 9	T 21
W22	14 25 18	7°51'25	23°10	15° 3	3°12	9°19	15°28	8°10	18°32	11°23	18°33	2°44	1°57	13°37	9° 6	W22
T 23	14 29 14	8°49'19	6♋28	16°36	4°23	10° 5	15°42	8°15	18°34	11°22	18°34	2°37	1°54	13°43	9° 2	T 23
F 24	14 33 11	9°47'12	19°59	18°11	5°34	10°50	15°56	8°20	18°37	11°22	18°35	2°33	1°51	13°50	8°59	F 24
S 25	14 37 7	10°45'02	3♌43	19°49	6°46	11°35	16°10	8°24	18°39	11°21	18°36	2°32	1°48	13°56	8°56	S 25
S 26	14 41 4	11°42'51	17°39	21°28	7°57	12°20	16°24	8°29	18°42	11°21	18°37	2°D32	1°44	14° 3	8°52	S 26
M27	14 45 1	12°40'38	1♍49	23° 9	9° 9	13° 5	16°38	8°33	18°44	11°20	18°39	2°R32	1°41	14°10	8°49	M27
T 28	14 48 57	13°38'23	16°10	24°52	10°20	13°50	16°52	8°38	18°46	11°19	18°40	2°31	1°38	14°16	8°45	T 28
W29	14 52 54	14°36'07	0♎41	26°38	11°31	14°35	17° 6	8°42	18°49	11°19	18°41	2°29	1°35	14°23	8°41	W29
T 30	14 56 50	15♉33'49	15♎17	28♈25	12♈43	15♓20	17♉20	8♓47	18♓51	11♏18	18♊42	2♓24	1♓32	14♓30	8♐38	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n54	2n 6	1s30	4s46	1s40	9s25	1s 2	15s 4	1s22	14n17	0s50	10s50	1s41	5s37	0s44	22s20	0n44	17n 8	5s55	9s54	10s26	6s41	18s 4	4n 1	W 1
T 2	7 16	4s59	2 43	4 41	1 50	9 1	1 5	14 49	1 22	14 21	0 50	10 48	1 41	5 36	0 44	22 20	0 44	17 8	5 55	9 55	10 27	6 38	18 3	4 2	T 2
F 3	7 38	11 47	3 46	4 33	1 59	8 37	1 8	14 34	1 23	14 26	0 50	10 46	1 41	5 35	0 44	22 20	0 44	17 8	5 54	9 57	10 28	6 34	18 3	4 2	F 3
S 4	8 1	17 50	4 32	4 24	2 7	8 12	1 10	14 19	1 23	14 30	0 50	10 43	1 41	5 34	0 44	22 20	0 44	17 9	5 54	9 59	10 29	6 31	18 2	4 3	S 4
S 5	8 23	22 44	4 59	4 12	2 15	7 48	1 13	14 4	1 24	14 34	0 50	10 41	1 41	5 32	0 44	22 20	0 44	17 9	5 54	10 2	10 30	6 28	18 1	4 3	S 5
M 6	8 44	26 11	5 8	3 58	2 22	7 22	1 15	13 49	1 25	14 39	0 49	10 39	1 42	5 31	0 44	22 20	0 44	17 9	5 54	10 5	10 31	6 24	18 0	4 4	M 6
T 7	9 6	27 58	4 59	3 42	2 28	6 57	1 17	13 34	1 25	14 43	0 49	10 37	1 42	5 30	0 44	22 20	0 44	17 9	5 54	10 7	10 33	6 21	17 59	4 4	T 7
W 8	9 28	28 7	4 34	3 25	2 33	6 32	1 20	13 19	1 26	14 47	0 49	10 35	1 42	5 29	0 44	22 20	0 44	17 10	5 54	10 9	10 34	6 18	17 59	4 5	W 8
T 9	9 49	26 44	3 56	3 5	2 38	6 6	1 22	13 3	1 26	14 52	0 49	10 33	1 42	5 28	0 44	22 20	0 44	17 10	5 54	10 10	10 35	6 14	17 58	4 5	T 9
F 10	10 10	24 5	3 8	2 44	2 42	5 40	1 24	12 48	1 27	14 56	0 49	10 31	1 42	5 27	0 44	22 20	0 44	17 10	5 53	10 10	10 36	6 11	17 57	4 6	F 10
S 11	10 32	20 24	2 13	2 21	2 46	5 14	1 26	12 32	1 28	15 0	0 49	10 29	1 42	5 26	0 44	22 20	0 44	17 10	5 53	10 10	10 37	6 8	17 56	4 6	S 11
S 12	10 53	15 57	1 13	1 57	2 49	4 47	1 28	12 16	1 28	15 5	0 49	10 27	1 43	5 25	0 44	22 20	0 44	17 11	5 53	10 9	10 38	6 4	17 55	4 7	S 12
M13	11 13	10 57	0 10	1 31	2 51	4 21	1 30	12 0	1 29	15 9	0 49	10 26	1 43	5 23	0 44	22 20	0 44	17 11	5 53	10 9	10 39	6 1	17 54	4 7	M13
T 14	11 34	5 35	0n53	1 3	2 52	3 54	1 31	11 44	1 29	15 13	0 49	10 24	1 43	5 22	0 44	22 20	0 44	17 11	5 53	10 9	10 41	5 58	17 54	4 8	T 14
W15	11 54	0n 0	1 54	0 34	2 53	3 28	1 33	11 28	1 30	15 17	0 48	10 22	1 43	5 21	0 44	22 20	0 44	17 11	5 53	10 10	10 42	5 54	17 53	4 8	W15
T 16	12 15	5 37	2 51	0 4	2 54	3 1	1 35	11 12	1 30	15 22	0 48	10 20	1 43	5 20	0 44	22 20	0 44	17 11	5 52	10 12	10 43	5 51	17 52	4 9	T 16
F 17	12 35	11 7	3 40	0n28	2 53	2 34	1 36	10 56	1 31	15 26	0 48	10 18	1 44	5 19	0 44	22 20	0 44	17 12	5 52	10 15	10 44	5 48	17 51	4 9	F 17
S 18	12 54	16 15	4 20	1 2	2 52	2 6	1 37	10 39	1 31	15 30	0 48	10 16	1 44	5 18	0 44	22 20	0 44	17 12	5 52	10 18	10 45	5 44	17 50	4 10	S 18
S 19	13 14	20 49	4 47	1 36	2 51	1 39	1 39	10 23	1 32	15 34	0 48	10 15	1 44	5 17	0 44	22 20	0 44	17 12	5 52	10 22	10 46	5 41	17 49	4 10	S 19
M20	13 33	24 30	5 2	2 12	2 49	1 12	1 40	10 6	1 32	15 39	0 48	10 13	1 44	5 16	0 44	22 20	0 44	17 12	5 52	10 26	10 47	5 37	17 48	4 10	M20
T 21	13 53	27 1	5 1	2 49	2 46	0 44	1 41	9 50	1 33	15 43	0 48	10 11	1 44	5 15	0 45	22 20	0 44	17 13	5 52	10 30	10 49	5 34	17 47	4 11	T 21
W22	14 12	28 6	4 45	3 27	2 43	0 17	1 42	9 33	1 34	15 47	0 48	10 10	1 45	5 14	0 45	22 20	0 44	17 13	5 52	10 33	10 50	5 31	17 47	4 11	W22
T 23	14 30	27 36	4 13	4 6	2 39	0n11	1 43	9 16	1 34	15 51	0 48	10 8	1 45	5 13	0 45	22 20	0 44	17 13	5 51	10 35	10 51	5 27	17 46	4 12	T 23
F 24	14 49	25 27	3 26	4 47	2 35	0 38	1 44	9 0	1 34	15 55	0 48	10 6	1 45	5 12	0 45	22 20	0 44	17 13	5 51	10 37	10 52	5 24	17 45	4 12	F 24
S 25	15 7	21 47	2 27	5 28	2 30	1 6	1 45	8 43	1 35	15 59	0 48	10 5	1 45	5 12	0 45	22 20	0 44	17 14	5 51	10 37	10 53	5 21	17 44	4 13	S 25
S 26	15 25	16 51	1 18	6 10	2 25	1 33	1 45	8 26	1 35	16 4	0 47	10 3	1 45	5 11	0 45	22 20	0 44	17 14	5 51	10 37	10 54	5 17	17 43	4 13	S 26
M27	15 43	10 56	0 4	6 53	2 19	2 1	1 46	8 9	1 36	16 8	0 47	10 2	1 46	5 10	0 45	22 20	0 44	17 14	5 51	10 37	10 55	5 14	17 42	4 13	M27
T 28	16 0	4 23	1s12	7 37	2 12	2 29	1 47	7 52	1 36	16 12	0 47	10 0	1 46	5 9	0 45	22 20	0 44	17 14	5 51	10 37	10 57	5 11	17 41	4 14	T 28
W29	16 18	2s28	2 24	8 22	2 5	2 56	1 47	7 35	1 37	16 16	0 47	9 59	1 46	5 8	0 45	22 20	0 44	17 14	5 51	10 38	10 58	5 7	17 40	4 14	W29
T 30	16n35	9s13	3s26	9n 8	1s58	3n24	1s47	7s18	1s37	16n20	0s47	9s57	1s46	5s 7	0s45	22s20	0n44	17n15	5s51	10s40	10s59	5s 4	17s39	4n14	T 30

Julian Day Number = 2148490.5, Delta T = 14m28s
Ecliptic obliquity = 23°32'58, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'16, Lahiri = 12°17'17 Julian Calendar 1 Apr. 1170 == Greg. Calendar 8 Apr. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

MAY 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 0 47	16♉31'29	29♎53	0♉15	13♈55	16♓ 5	17♉34	8♓51	18♓53	11°R17	18♊43	2°R16	1♓29	14♓36	8°R34	F 1
S 2	15 4 43	17°29'08	14♏22	2° 7	15° 6	16°50	17°48	8°55	18°55	11♑16	18°45	2♓ 6	1°25	14°43	8♐30	S 2
S 3	15 8 40	18°26'46	28°37	4° 0	16°18	17°35	18° 3	8°59	18°57	11°16	18°46	1°55	1°22	14°50	8°27	S 3
M 4	15 12 36	19°24'22	12♐33	5°56	17°29	18°20	18°17	9° 3	18°59	11°15	18°47	1°44	1°19	14°56	8°23	M 4
T 5	15 16 33	20°21'58	26° 5	7°54	18°41	19° 5	18°31	9° 7	19° 1	11°14	18°49	1°34	1°16	15° 3	8°19	T 5
W 6	15 20 30	21°19'32	9♑12	9°53	19°53	19°50	18°45	9°11	19° 3	11°13	18°50	1°26	1°13	15°10	8°15	W 6
T 7	15 24 26	22°17'05	21°56	11°55	21° 4	20°35	18°59	9°15	19° 5	11°12	18°51	1°20	1° 9	15°16	8°11	T 7
F 8	15 28 23	23°14'37	4♒19	13°58	22°16	21°19	19°13	9°18	19° 7	11°11	18°53	1°17	1° 6	15°23	8° 7	F 8
S 9	15 32 19	24°12'09	16°26	16° 4	23°28	22° 4	19°27	9°22	19° 9	11°10	18°54	1°16	1° 3	15°30	8° 3	S 9
S 10	15 36 16	25° 9'39	28°20	18°10	24°40	22°49	19°41	9°25	19°11	11° 9	18°55	1°16	1° 0	15°36	7°59	S 10
M11	15 40 12	26° 7'09	10♓ 9	20°18	25°52	23°33	19°55	9°29	19°13	11° 8	18°57	1°16	0°57	15°43	7°55	M11
T 12	15 44 9	27° 4'37	21°58	22°28	27° 3	24°18	20° 9	9°32	19°15	11° 7	18°58	1°15	0°54	15°50	7°51	T 12
W13	15 48 5	28° 2'05	3♈50	24°38	28°15	25° 2	20°23	9°35	19°16	11° 6	18°59	1°11	0°50	15°56	7°47	W13
T 14	15 52 2	28°59'32	15°52	26°49	29°27	25°47	20°37	9°38	19°18	11° 5	19° 1	1° 6	0°47	16° 3	7°43	T 14
F 15	15 55 59	29°56'59	28° 6	29° 1	0♉39	26°31	20°51	9°42	19°20	11° 4	19° 2	0°57	0°44	16° 9	7°39	F 15
S 16	15 59 55	0♊54'24	10♉36	1♊13	1°51	27°16	21° 5	9°44	19°21	11° 3	19° 3	0°46	0°41	16°16	7°34	S 16
S 17	16 3 52	1°51'49	23°21	3°25	3° 3	28° 0	21°19	9°47	19°23	11° 2	19° 5	0°34	0°38	16°23	7°30	S 17
M18	16 7 48	2°49'13	6♊23	5°36	4°15	28°44	21°33	9°50	19°24	11° 1	19° 6	0°21	0°35	16°29	7°26	M18
T 19	16 11 45	3°46'36	19°39	7°48	5°27	29°28	21°47	9°53	19°26	10°59	19° 8	0° 9	0°31	16°36	7°22	T 19
W20	16 15 41	4°43'58	3♋ 8	9°58	6°39	0♈12	22° 1	9°55	19°27	10°58	19° 9	29♒59	0°28	16°43	7°18	W20
T 21	16 19 38	5°41'19	16°48	12° 7	7°51	0°57	22°15	9°58	19°28	10°57	19°10	29°51	0°25	16°49	7°13	T 21
F 22	16 23 34	6°38'40	0♌36	14°16	9° 3	1°41	22°29	10° 0	19°30	10°56	19°12	29°46	0°22	16°56	7° 9	F 22
S 23	16 27 31	7°35'59	14°31	16°22	10°16	2°24	22°42	10° 3	19°31	10°55	19°13	29°44	0°19	17° 3	7° 5	S 23
S 24	16 31 28	8°33'17	28°32	18°27	11°28	3° 8	22°56	10° 5	19°32	10°53	19°15	29°D44	0°15	17° 9	7° 1	S 24
M25	16 35 24	9°30'34	12♍38	20°31	12°40	3°52	23°10	10° 7	19°34	10°52	19°16	29°R44	0°12	17°16	6°57	M25
T 26	16 39 21	10°27'50	26°48	22°32	13°52	4°36	23°24	10° 9	19°35	10°51	19°17	29°43	0° 9	17°23	6°52	T 26
W27	16 43 17	11°25'05	11♎ 1	24°31	15° 4	5°20	23°37	10°11	19°36	10°49	19°19	29°40	0° 6	17°29	6°48	W27
T 28	16 47 14	12°22'20	25°14	26°28	16°17	6° 3	23°51	10°13	19°37	10°48	19°20	29°35	0° 3	17°36	6°44	T 28
F 29	16 51 10	13°19'33	9♏25	28°23	17°29	6°47	24° 5	10°15	19°38	10°46	19°22	29°28	29♒59	17°43	6°40	F 29
S 30	16 55 7	14°16'46	23°29	0♋16	18°41	7°30	24°18	10°16	19°39	10°45	19°23	29°18	29°56	17°49	6°36	S 30
S 31	16 59 3	15♊13'58	7♐21	2♋ 7	19♉53	8♈14	24♉32	10♓18	19♓40	10♑44	19♊25	29♒ 7	29♒53	17♓56	6♐32	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n51	15s27	4s15	9n54	1s50	3n52	1s48	7s 1	1s38	16n24	0s47	9s56	1s46	5s 6	0s45	22s20	0n44	17n15	5s50	10s43	11s 0	5s 0	17s38	4n15
S 2	17 8	20 47	4 47	10 40	1 42	4 19	1 48	6 43	1 38	16 28	0 47	9 55	1 47	5 5	0 45	22 20	0 44	17 15	5 50	10 46	11 1	4 57	17 37	4 15
S 3	17 24	24 50	5 1	11 27	1 33	4 47	1 48	6 26	1 39	16 32	0 47	9 53	1 47	5 5	0 45	22 20	0 44	17 15	5 50	10 50	11 2	4 54	17 36	4 16
M 4	17 40	27 18	4 56	12 14	1 24	5 14	1 48	6 9	1 39	16 36	0 47	9 52	1 47	5 4	0 45	22 20	0 44	17 16	5 50	10 54	11 3	4 50	17 35	4 16
T 5	17 55	28 4	4 35	13 2	1 15	5 41	1 48	5 52	1 39	16 40	0 47	9 51	1 47	5 3	0 45	22 20	0 44	17 16	5 50	10 58	11 4	4 47	17 35	4 16
W 6	18 10	27 12	3 59	13 49	1 5	6 9	1 48	5 34	1 40	16 44	0 47	9 49	1 48	5 2	0 45	22 20	0 44	17 16	5 50	11 1	11 6	4 44	17 34	4 17
T 7	18 25	24 55	3 12	14 37	0 55	6 36	1 48	5 17	1 40	16 48	0 47	9 48	1 48	5 2	0 45	22 20	0 44	17 16	5 50	11 3	11 7	4 40	17 33	4 17
F 8	18 40	21 30	2 18	15 24	0 44	7 3	1 47	5 0	1 40	16 52	0 47	9 47	1 48	5 1	0 45	22 21	0 44	17 16	5 50	11 4	11 8	4 37	17 32	4 17
S 9	18 55	17 13	1 18	16 11	0 34	7 30	1 47	4 42	1 41	16 56	0 46	9 46	1 48	5 0	0 45	22 21	0 44	17 17	5 50	11 4	11 9	4 34	17 31	4 18
S 10	19 9	12 21	0 16	16 57	0 23	7 57	1 47	4 25	1 41	17 0	0 46	9 45	1 49	4 59	0 45	22 21	0 44	17 17	5 49	11 4	11 10	4 30	17 30	4 18
M11	19 22	7 4	0n47	17 42	0 13	8 23	1 46	4 7	1 41	17 3	0 46	9 44	1 49	4 59	0 45	22 21	0 44	17 17	5 49	11 4	11 11	4 27	17 29	4 18
T 12	19 36	1 34	1 47	18 26	0 2	8 50	1 45	3 50	1 42	17 7	0 46	9 43	1 49	4 58	0 45	22 21	0 44	17 17	5 49	11 5	11 12	4 23	17 28	4 18
W13	19 49	4n 2	2 43	19 9	0n 9	9 16	1 45	3 32	1 42	17 11	0 46	9 42	1 49	4 57	0 45	22 21	0 44	17 17	5 49	11 6	11 14	4 20	17 27	4 19
T 14	20 2	9 32	3 33	19 51	0 19	9 42	1 44	3 15	1 42	17 15	0 46	9 41	1 49	4 57	0 45	22 21	0 44	17 18	5 49	11 8	11 15	4 17	17 26	4 19
F 15	20 14	14 47	4 13	20 30	0 29	10 8	1 43	2 58	1 43	17 19	0 46	9 40	1 50	4 56	0 45	22 21	0 44	17 18	5 49	11 11	11 16	4 13	17 25	4 19
S 16	20 26	19 32	4 42	21 8	0 39	10 34	1 42	2 40	1 43	17 22	0 46	9 39	1 50	4 56	0 45	22 21	0 44	17 18	5 49	11 15	11 17	4 10	17 24	4 19
S 17	20 38	23 30	4 58	21 44	0 49	11 0	1 41	2 23	1 43	17 26	0 46	9 38	1 50	4 55	0 45	22 21	0 44	17 18	5 49	11 19	11 18	4 7	17 23	4 20
M18	20 49	26 22	4 59	22 18	0 58	11 25	1 40	2 5	1 44	17 30	0 46	9 37	1 50	4 54	0 45	22 21	0 44	17 18	5 49	11 24	11 19	4 3	17 23	4 20
T 19	21 0	27 51	4 43	22 49	1 7	11 50	1 39	1 48	1 44	17 33	0 46	9 36	1 51	4 54	0 45	22 21	0 44	17 19	5 49	11 28	11 20	4 0	17 22	4 20
W20	21 11	27 43	4 12	23 17	1 15	12 15	1 38	1 30	1 44	17 37	0 46	9 36	1 51	4 53	0 45	22 22	0 44	17 19	5 49	11 32	11 21	3 56	17 21	4 20
T 21	21 21	25 54	3 26	23 43	1 23	12 40	1 37	1 13	1 44	17 41	0 46	9 35	1 51	4 53	0 45	22 22	0 44	17 19	5 48	11 34	11 23	3 53	17 20	4 21
F 22	21 31	22 31	2 27	24 6	1 30	13 4	1 36	0 56	1 45	17 44	0 46	9 34	1 51	4 52	0 45	22 22	0 44	17 19	5 48	11 36	11 24	3 50	17 19	4 21
S 23	21 41	17 49	1 20	24 27	1 36	13 28	1 34	0 38	1 45	17 48	0 46	9 33	1 52	4 52	0 46	22 22	0 44	17 19	5 48	11 37	11 25	3 46	17 18	4 21
S 24	21 50	12 8	0 6	24 44	1 42	13 52	1 33	0 21	1 45	17 51	0 46	9 33	1 52	4 51	0 46	22 22	0 44	17 20	5 48	11 37	11 26	3 43	17 17	4 21
M25	21 59	5 48	1s 8	24 59	1 47	14 15	1 32	0 4	1 45	17 55	0 46	9 32	1 52	4 51	0 46	22 22	0 44	17 20	5 48	11 37	11 27	3 40	17 16	4 21
T 26	22 7	0s50	2 18	25 11	1 51	14 38	1 30	0n13	1 45	17 58	0 46	9 32	1 52	4 51	0 46	22 22	0 44	17 20	5 48	11 37	11 28	3 36	17 16	4 21
W27	22 15	7 27	3 20	25 21	1 55	15 1	1 29	0 31	1 46	18 2	0 45	9 31	1 53	4 50	0 46	22 22	0 44	17 20	5 48	11 38	11 29	3 33	17 15	4 22
T 28	22 23	13 40	4 10	25 28	1 58	15 24	1 27	0 48	1 46	18 5	0 45	9 31	1 53	4 50	0 46	22 22	0 44	17 20	5 48	11 40	11 30	3 29	17 14	4 22
F 29	22 30	19 10	4 43	25 32	2 0	15 46	1 25	1 5	1 46	18 9	0 45	9 30	1 53	4 49	0 46	22 22	0 44	17 20	5 48	11 43	11 32	3 26	17 13	4 22
S 30	22 37	23 34	5 0	25 34	2 1	16 7	1 24	1 22	1 46	18 12	0 45	9 30	1 53	4 49	0 46	22 23	0 44	17 21	5 48	11 46	11 33	3 23	17 12	4 22
S 31	22n44	26s32	4s58	25n33	2n 2	16n29	1s22	1n39	1s46	18n15	0s45	9s30	1s54	4s49	0s46	22s23	0n44	17n21	5s48	11s50	11s34	3s19	17s11	4n22

Julian Day Number = 2148520.5, Delta T = 14m28s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'20, Lahiri = 12°17'21 Julian Calendar 1 May 1170 == Greg. Calendar 8 May 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

JUNE 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 3 0	16♊11'10	20♐58	3♋55	21♉ 6	8♈57	24♉46	10♓19	19♓41	10°R42	19♊26	28°R56	29♒50	18♓ 3	6°R28	M 1
T 2	17 6 57	17° 8'22	4♑17	5°41	22°18	9°40	24°59	10°21	19°41	10♑41	19°28	28♒45	29°47	18° 9	6♐24	T 2
W 3	17 10 53	18° 5'33	17°15	7°25	23°31	10°23	25°13	10°22	19°42	10°39	19°29	28°37	29°44	18°16	6°20	W 3
T 4	17 14 50	19° 2'44	29°53	9° 6	24°43	11° 6	25°26	10°23	19°43	10°38	19°30	28°31	29°41	18°23	6°16	T 4
F 5	17 18 46	19°59'54	12♒14	10°45	25°55	11°50	25°39	10°24	19°44	10°36	19°32	28°28	29°37	18°29	6°12	F 5
S 6	17 22 43	20°57'05	24°19	12°22	27° 8	12°33	25°53	10°25	19°44	10°35	19°33	28°D27	29°34	18°36	6° 8	S 6
S 7	17 26 39	21°54'15	6♓14	13°56	28°20	13°15	26° 6	10°26	19°45	10°33	19°35	28°27	29°31	18°42	6° 4	S 7
M 8	17 30 36	22°51'26	18° 4	15°28	29°33	13°58	26°19	10°27	19°45	10°32	19°36	28°R28	29°28	18°49	6° 0	M 8
T 9	17 34 33	23°48'36	29°54	16°57	0♊46	14°41	26°33	10°28	19°46	10°30	19°38	28°27	29°25	18°56	5°56	T 9
W10	17 38 29	24°45'47	11♈49	18°25	1°58	15°24	26°46	10°28	19°46	10°29	19°39	28°26	29°21	19° 2	5°52	W10
T 11	17 42 26	25°42'58	23°54	19°49	3°11	16° 6	26°59	10°29	19°47	10°27	19°41	28°22	29°18	19° 9	5°48	T 11
F 12	17 46 22	26°40'09	6♉13	21°11	4°23	16°49	27°12	10°29	19°47	10°26	19°42	28°16	29°15	19°16	5°44	F 12
S 13	17 50 19	27°37'20	18°51	22°31	5°36	17°31	27°25	10°29	19°47	10°24	19°44	28° 9	29°12	19°22	5°41	S 13
S 14	17 54 15	28°34'31	1♊48	23°48	6°49	18°13	27°38	10°29	19°47	10°23	19°45	27°59	29° 9	19°29	5°37	S 14
M15	17 58 12	29°31'42	15° 5	25° 3	8° 2	18°55	27°51	10°R29	19°48	10°21	19°46	27°49	29° 6	19°36	5°34	M15
T 16	18 2 8	0♋28'54	28°42	26°15	9°14	19°38	28° 4	10°29	19°48	10°19	19°48	27°40	29° 2	19°42	5°30	T 16
W17	18 6 5	1°26'05	12♋35	27°24	10°27	20°20	28°17	10°29	19°48	10°18	19°49	27°32	28°59	19°49	5°26	W17
T 18	18 10 2	2°23'17	26°39	28°31	11°40	21° 1	28°30	10°29	19°R48	10°16	19°51	27°27	28°56	19°56	5°23	T 18
F 19	18 13 58	3°20'29	10♌52	29°34	12°53	21°43	28°42	10°29	19°48	10°15	19°52	27°23	28°53	20° 2	5°20	F 19
S 20	18 17 55	4°17'40	25° 8	0♌35	14° 6	22°25	28°55	10°28	19°48	10°13	19°54	27°D22	28°50	20° 9	5°16	S 20
S 21	18 21 51	5°14'51	9♍24	1°32	15°18	23° 6	29° 8	10°28	19°48	10°11	19°55	27°22	28°47	20°16	5°13	S 21
M22	18 25 48	6°12'03	23°38	2°27	16°31	23°48	29°20	10°27	19°48	10°10	19°56	27°23	28°43	20°22	5°10	M22
T 23	18 29 44	7° 9'14	7♎48	3°18	17°44	24°29	29°33	10°26	19°47	10° 8	19°58	27°R24	28°40	20°29	5° 7	T 23
W24	18 33 41	8° 6'25	21°52	4° 5	18°57	25°11	29°45	10°25	19°47	10° 7	19°59	27°23	28°37	20°36	5° 3	W24
T 25	18 37 37	9° 3'36	5♏49	4°49	20°10	25°52	29°57	10°24	19°47	10° 5	20° 1	27°20	28°34	20°42	5° 0	T 25
F 26	18 41 34	10° 0'48	19°38	5°30	21°23	26°33	0♊10	10°23	19°46	10° 3	20° 2	27°16	28°31	20°49	4°57	F 26
S 27	18 45 31	10°57'59	3♐17	6° 6	22°36	27°14	0°22	10°22	19°46	10° 2	20° 3	27° 9	28°27	20°56	4°55	S 27
S 28	18 49 27	11°55'11	16°44	6°39	23°49	27°54	0°34	10°21	19°46	10° 0	20° 5	27° 2	28°24	21° 2	4°52	S 28
M29	18 53 24	12°52'23	29°57	7° 7	25° 3	28°35	0°46	10°20	19°45	9°58	20° 6	26°55	28°21	21° 9	4°49	M29
T 30	18 57 20	13♋49'36	12♑55	7♌31	26♊16	29♈16	0♊58	10♓18	19♓45	9♑57	20♊ 7	26♒48	28♒18	21♓16	4♐46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n50	27s53	4s40	25n31	2n 1	16n50	1s20	1n56	1s46	18n19	0s45	9s29	1s54	4s48	0s46	22s23	0n44	17n21	5s48	11s54	11s35	3s16	17s11	4n22
T 2	22 55	27 35	4 6	25 26	2 1	17 10	1 18	2 13	1 46	18 22	0 45	9 29	1 54	4 48	0 46	22 23	0 44	17 21	5 48	11 58	11 36	3 13	17 10	4 22
W 3	23 1	25 45	3 20	25 19	1 59	17 30	1 16	2 30	1 47	18 25	0 45	9 29	1 54	4 48	0 46	22 23	0 44	17 21	5 48	12 0	11 37	3 9	17 9	4 22
T 4	23 6	22 38	2 26	25 11	1 57	17 50	1 14	2 47	1 47	18 29	0 45	9 28	1 55	4 48	0 46	22 23	0 44	17 21	5 48	12 2	11 38	3 6	17 8	4 23
F 5	23 10	18 34	1 25	25 0	1 54	18 9	1 12	3 4	1 47	18 32	0 45	9 28	1 55	4 47	0 46	22 23	0 44	17 22	5 47	12 4	11 39	3 2	17 8	4 23
S 6	23 14	13 49	0 22	24 48	1 50	18 28	1 10	3 20	1 47	18 35	0 45	9 28	1 55	4 47	0 46	22 23	0 44	17 22	5 47	12 4	11 40	2 59	17 7	4 23
S 7	23 18	8 37	0n41	24 35	1 46	18 46	1 8	3 37	1 47	18 38	0 45	9 28	1 55	4 47	0 46	22 24	0 44	17 22	5 47	12 4	11 42	2 56	17 6	4 23
M 8	23 21	3 10	1 43	24 20	1 41	19 4	1 6	3 54	1 47	18 41	0 45	9 28	1 56	4 47	0 46	22 24	0 44	17 22	5 47	12 4	11 43	2 52	17 5	4 23
T 9	23 24	2n24	2 40	24 3	1 36	19 22	1 4	4 10	1 47	18 44	0 45	9 28	1 56	4 47	0 46	22 24	0 44	17 22	5 47	12 4	11 44	2 49	17 5	4 23
W10	23 27	7 54	3 30	23 46	1 30	19 39	1 2	4 27	1 47	18 48	0 45	9 28	1 56	4 47	0 46	22 24	0 44	17 22	5 47	12 4	11 45	2 46	17 4	4 23
T 11	23 29	13 12	4 12	23 27	1 23	19 55	0 59	4 43	1 47	18 51	0 45	9 28	1 56	4 46	0 46	22 24	0 44	17 23	5 47	12 6	11 46	2 42	17 3	4 23
F 12	23 30	18 5	4 43	23 7	1 16	20 11	0 57	4 59	1 47	18 54	0 45	9 28	1 57	4 46	0 46	22 24	0 44	17 23	5 47	12 8	11 47	2 39	17 3	4 23
S 13	23 32	22 19	5 1	22 47	1 8	20 26	0 55	5 16	1 47	18 57	0 45	9 28	1 57	4 46	0 46	22 24	0 44	17 23	5 47	12 10	11 48	2 35	17 2	4 23
S 14	23 32	25 34	5 4	22 26	1 0	20 41	0 52	5 32	1 47	19 0	0 45	9 29	1 57	4 46	0 46	22 24	0 44	17 23	5 47	12 14	11 49	2 32	17 1	4 23
M15	23 33	27 32	4 51	22 4	0 51	20 55	0 50	5 48	1 47	19 3	0 45	9 29	1 57	4 46	0 46	22 25	0 44	17 23	5 47	12 17	11 51	2 29	17 1	4 23
T 16	23 33	27 54	4 22	21 41	0 42	21 9	0 48	6 4	1 47	19 5	0 45	9 29	1 58	4 46	0 46	22 25	0 44	17 23	5 47	12 20	11 52	2 25	17 0	4 23
W17	23 32	26 32	3 36	21 18	0 32	21 22	0 45	6 20	1 47	19 8	0 45	9 29	1 58	4 46	0 46	22 25	0 44	17 23	5 47	12 23	11 53	2 22	17 0	4 23
T 18	23 32	23 29	2 37	20 55	0 22	21 35	0 43	6 35	1 47	19 11	0 45	9 30	1 58	4 46	0 46	22 25	0 44	17 23	5 47	12 25	11 54	2 19	16 59	4 23
F 19	23 30	18 59	1 28	20 31	0 11	21 47	0 41	6 51	1 47	19 14	0 45	9 30	1 59	4 46	0 47	22 25	0 44	17 24	5 47	12 26	11 55	2 15	16 58	4 23
S 20	23 29	13 24	0 12	20 7	0 0	21 58	0 38	7 7	1 47	19 17	0 45	9 30	1 59	4 46	0 47	22 25	0 44	17 24	5 47	12 26	11 56	2 12	16 58	4 23
S 21	23 27	7 5	1s 4	19 44	0s11	22 9	0 36	7 22	1 47	19 20	0 45	9 31	1 59	4 46	0 47	22 25	0 44	17 24	5 47	12 26	11 57	2 8	16 57	4 23
M22	23 24	0 27	2 17	19 20	0 23	22 19	0 33	7 38	1 46	19 22	0 45	9 31	1 59	4 46	0 47	22 25	0 44	17 24	5 47	12 26	11 58	2 5	16 57	4 23
T 23	23 21	6s10	3 20	18 56	0 35	22 28	0 31	7 53	1 46	19 25	0 45	9 32	2 0	4 47	0 47	22 26	0 44	17 24	5 47	12 26	11 59	2 2	16 56	4 23
W24	23 18	12 26	4 11	18 33	0 48	22 37	0 28	8 8	1 46	19 28	0 45	9 32	2 0	4 47	0 47	22 26	0 44	17 24	5 47	12 26	12 1	1 58	16 56	4 23
T 25	23 14	18 1	4 47	18 10	1 1	22 45	0 26	8 23	1 46	19 30	0 45	9 33	2 0	4 47	0 47	22 26	0 44	17 24	5 47	12 27	12 2	1 55	16 55	4 23
F 26	23 10	22 37	5 5	17 47	1 14	22 53	0 23	8 38	1 46	19 33	0 45	9 34	2 0	4 47	0 47	22 26	0 44	17 24	5 47	12 29	12 3	1 51	16 55	4 22
S 27	23 6	25 55	5 6	17 25	1 28	23 0	0 20	8 53	1 46	19 35	0 45	9 34	2 1	4 47	0 47	22 26	0 44	17 25	5 47	12 31	12 4	1 48	16 55	4 22
S 28	23 1	27 42	4 50	17 4	1 41	23 6	0 18	9 8	1 46	19 38	0 45	9 35	2 1	4 47	0 47	22 26	0 44	17 25	5 47	12 33	12 5	1 45	16 54	4 22
M29	22 55	27 52	4 19	16 43	1 55	23 12	0 15	9 23	1 45	19 41	0 45	9 36	2 1	4 48	0 47	22 26	0 44	17 25	5 47	12 36	12 6	1 41	16 54	4 22
T 30	22n50	26s29	3s34	16n23	2s 9	23n17	0s13	9n37	1s45	19n43	0s45	9s36	2s 1	4s48	0s47	22s27	0n44	17n25	5s47	12s38	12s 7	1s38	16s53	4n22

Julian Day Number = 2148551.5, Delta T = 14m28s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'25, Lahiri = 12°17'25 Julian Calendar 1 June 1170 == Greg. Calendar 8 June 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

JULY 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 1 17	14♋46'49	25♉37	7♌51	27♊29	29♈56	1♊10	10°R17	19°R44	9°R55	20♊ 9	26°R43	28♒15	21♓22	4°R44	W 1
T 2	19 5 13	15°44'02	8♒ 4	8° 6	28°42	0♉36	1°22	10♓15	19♓43	9♉54	20°10	26♒39	28°12	21°29	4♐41	T 2
F 3	19 9 10	16°41'17	20°18	8°17	29°55	1°17	1°34	10°13	19°43	9°52	20°11	26°37	28° 8	21°36	4°39	F 3
S 4	19 13 7	17°38'32	2♓19	8°22	1♋ 8	1°57	1°46	10°12	19°42	9°50	20°13	26°D37	28° 5	21°42	4°36	S 4
S 5	19 17 3	18°35'47	14°13	8°R23	2°22	2°37	1°57	10°10	19°41	9°49	20°14	26°38	28° 2	21°49	4°34	S 5
M 6	19 21 0	19°33'04	26° 2	8°18	3°35	3°17	2° 9	10° 8	19°40	9°47	20°15	26°40	27°59	21°56	4°32	M 6
T 7	19 24 56	20°30'21	7♈52	8° 9	4°48	3°56	2°20	10° 6	19°40	9°46	20°17	26°41	27°56	22° 2	4°29	T 7
W 8	19 28 53	21°27'40	19°47	7°54	6° 2	4°36	2°32	10° 4	19°39	9°44	20°18	26°R42	27°53	22° 9	4°27	W 8
T 9	19 32 49	22°25'00	1♉52	7°35	7°15	5°15	2°43	10° 1	19°38	9°42	20°19	26°42	27°49	22°15	4°25	T 9
F 10	19 36 46	23°22'20	14°12	7°11	8°29	5°55	2°54	9°59	19°37	9°41	20°20	26°40	27°46	22°22	4°23	F 10
S 11	19 40 42	24°19'42	26°52	6°42	9°42	6°34	3° 5	9°57	19°36	9°39	20°22	26°37	27°43	22°29	4°22	S 11
S 12	19 44 39	25°17'05	9♊54	6°10	10°56	7°13	3°16	9°54	19°35	9°38	20°23	26°33	27°40	22°35	4°20	S 12
M13	19 48 36	26°14'29	23°20	5°33	12° 9	7°52	3°27	9°51	19°34	9°36	20°24	26°28	27°37	22°42	4°18	M13
T 14	19 52 32	27°11'54	7♋ 9	4°53	13°23	8°30	3°38	9°49	19°32	9°35	20°25	26°24	27°33	22°49	4°17	T 14
W15	19 56 29	28° 9'20	21°19	4°10	14°36	9° 9	3°49	9°46	19°31	9°33	20°26	26°20	27°30	22°55	4°15	W15
T 16	20 0 25	29° 6'48	5♌45	3°25	15°50	9°47	4° 0	9°43	19°30	9°32	20°28	26°17	27°27	23° 2	4°14	T 16
F 17	20 4 22	0♌ 4'16	20°22	2°39	17° 4	10°25	4°10	9°40	19°29	9°30	20°29	26°D16	27°24	23° 9	4°12	F 17
S 18	20 8 18	1° 1'45	5♍ 3	1°52	18°17	11° 3	4°21	9°37	19°27	9°29	20°30	26°16	27°21	23°15	4°11	S 18
S 19	20 12 15	1°59'15	19°42	1° 6	19°31	11°41	4°31	9°34	19°26	9°27	20°31	26°17	27°18	23°22	4°10	S 19
M20	20 16 11	2°56'45	4♎14	0°20	20°45	12°19	4°41	9°31	19°25	9°26	20°32	26°19	27°14	23°29	4° 9	M20
T 21	20 20 8	3°54'17	18°34	29♋37	21°59	12°57	4°51	9°28	19°23	9°24	20°33	26°20	27°11	23°35	4° 8	T 21
W22	20 24 5	4°51'49	2♏41	28°57	23°12	13°34	5° 2	9°24	19°22	9°23	20°34	26°R20	27° 8	23°42	4° 7	W22
T 23	20 28 1	5°49'22	16°32	28°20	24°26	14°11	5°12	9°21	19°20	9°21	20°36	26°20	27° 5	23°49	4° 6	T 23
F 24	20 31 58	6°46'56	0♐ 7	27°48	25°40	14°48	5°21	9°17	19°19	9°20	20°37	26°19	27° 2	23°55	4° 6	F 24
S 25	20 35 54	7°44'32	13°27	27°21	26°54	15°25	5°31	9°14	19°17	9°19	20°38	26°17	26°59	24° 2	4° 5	S 25
S 26	20 39 51	8°42'08	26°32	27° 0	28° 8	16° 2	5°41	9°10	19°15	9°17	20°39	26°14	26°55	24° 9	4° 4	S 26
M27	20 43 47	9°39'45	9♑23	26°45	29°22	16°38	5°50	9° 7	19°14	9°16	20°40	26°12	26°52	24°15	4° 4	M27
T 28	20 47 44	10°37'24	22° 0	26°37	0♌36	17°14	6° 0	9° 3	19°12	9°15	20°41	26°10	26°49	24°22	4° 4	T 28
W29	20 51 40	11°35'03	4♒25	26°D36	1°50	17°50	6° 9	8°59	19°10	9°13	20°42	26° 8	26°46	24°29	4° 4	W29
T 30	20 55 37	12°32'44	16°38	26°43	3° 4	18°26	6°18	8°55	19° 8	9°12	20°43	26° 7	26°43	24°35	4° 3	T 30
F 31	20 59 34	13♌30'27	28♒42	26♋56	4♌18	19♉ 2	6♊27	8♓51	19♓ 7	9♑11	20♊44	26°D 7	26♒39	24♓42	4°D 3	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n44	23 s44	2 s40	16n 5	2 s23	23n21	0 s10	9n52	1 s45	19n46	0 s45	9 s37	2 s 2	4 s48	0 s47	22 s27	0n44	17n25	5 s47	12 s40	12 s 8	1 s35	16 s53	4n22
T 2	22 37	19 56	1 39	15 48	2 37	23 25	0 8	10 6	1 45	19 48	0 45	9 38	2 2	4 48	0 47	22 27	0 44	17 25	5 47	12 41	12 9	1 31	16 53	4 22
F 3	22 30	15 20	0 34	15 31	2 51	23 28	0 5	10 20	1 44	19 50	0 45	9 39	2 2	4 49	0 47	22 27	0 44	17 25	5 47	12 42	12 10	1 28	16 52	4 22
S 4	22 23	10 13	0n31	15 17	3 5	23 30	0 3	10 35	1 44	19 53	0 45	9 40	2 2	4 49	0 47	22 27	0 44	17 25	5 47	12 42	12 12	1 24	16 52	4 22
S 5	22 15	4 47	1 34	15 4	3 18	23 32	0 0	10 49	1 44	19 55	0 45	9 41	2 2	4 49	0 47	22 27	0 44	17 25	5 47	12 41	12 13	1 21	16 52	4 22
M 6	22 7	0n46	2 34	14 52	3 31	23 32	0n 2	11 2	1 44	19 57	0 45	9 42	2 3	4 50	0 47	22 27	0 44	17 25	5 47	12 41	12 14	1 18	16 52	4 21
T 7	21 59	6 17	3 26	14 43	3 44	23 33	0 5	11 16	1 43	20 0	0 45	9 43	2 3	4 50	0 47	22 27	0 44	17 25	5 47	12 40	12 15	1 14	16 51	4 21
W 8	21 50	11 37	4 10	14 35	3 56	23 32	0 7	11 30	1 43	20 2	0 45	9 44	2 3	4 50	0 47	22 28	0 44	17 25	5 47	12 40	12 16	1 11	16 51	4 21
T 9	21 41	16 36	4 44	14 29	4 7	23 31	0 10	11 43	1 43	20 4	0 45	9 45	2 3	4 51	0 47	22 28	0 44	17 26	5 47	12 40	12 17	1 8	16 51	4 21
F 10	21 31	21 1	5 5	14 25	4 17	23 29	0 12	11 57	1 42	20 6	0 45	9 46	2 4	4 51	0 47	22 28	0 44	17 26	5 47	12 41	12 18	1 4	16 51	4 21
S 11	21 21	24 36	5 13	14 23	4 26	23 26	0 15	12 10	1 42	20 8	0 45	9 47	2 4	4 52	0 47	22 28	0 44	17 26	5 47	12 42	12 19	1 1	16 51	4 21
S 12	21 11	27 3	5 4	14 23	4 34	23 23	0 17	12 23	1 42	20 10	0 45	9 48	2 4	4 52	0 47	22 28	0 44	17 26	5 47	12 43	12 20	0 57	16 50	4 20
M13	21 0	28 2	4 39	14 26	4 41	23 19	0 20	12 36	1 41	20 13	0 45	9 49	2 4	4 53	0 47	22 28	0 44	17 26	5 47	12 45	12 21	0 54	16 50	4 20
T 14	20 49	27 18	3 57	14 30	4 46	23 14	0 22	12 49	1 41	20 15	0 45	9 51	2 5	4 53	0 47	22 28	0 44	17 26	5 47	12 47	12 23	0 51	16 50	4 20
W15	20 38	24 49	3 0	14 37	4 49	23 9	0 24	13 1	1 40	20 17	0 45	9 52	2 5	4 54	0 47	22 28	0 44	17 26	5 47	12 48	12 24	0 47	16 50	4 20
T 16	20 26	20 42	1 50	14 45	4 51	23 3	0 27	13 14	1 40	20 19	0 45	9 53	2 5	4 54	0 47	22 29	0 44	17 26	5 47	12 49	12 25	0 44	16 50	4 20
F 17	20 14	15 17	0 32	14 56	4 51	22 56	0 29	13 26	1 40	20 21	0 45	9 55	2 5	4 55	0 47	22 29	0 44	17 26	5 47	12 49	12 26	0 41	16 50	4 20
S 18	20 1	8 57	0 s48	15 7	4 50	22 49	0 31	13 39	1 39	20 22	0 45	9 56	2 5	4 55	0 47	22 29	0 44	17 26	5 47	12 49	12 27	0 37	16 50	4 19
S 19	19 48	2 10	2 5	15 21	4 46	22 40	0 33	13 51	1 39	20 24	0 45	9 57	2 6	4 56	0 48	22 29	0 44	17 26	5 47	12 49	12 28	0 34	16 50	4 19
M20	19 35	4 s39	3 14	15 36	4 41	22 32	0 36	14 3	1 38	20 26	0 45	9 59	2 6	4 56	0 48	22 29	0 44	17 26	5 47	12 48	12 29	0 30	16 50	4 19
T 21	19 22	11 9	4 10	15 52	4 34	22 22	0 38	14 15	1 38	20 28	0 45	10 0	2 6	4 57	0 48	22 29	0 44	17 26	5 47	12 48	12 30	0 27	16 50	4 19
W22	19 8	16 58	4 49	16 8	4 25	22 12	0 40	14 26	1 37	20 30	0 45	10 2	2 6	4 58	0 48	22 29	0 44	17 26	5 47	12 48	12 31	0 24	16 50	4 19
T 23	18 54	21 49	5 11	16 26	4 15	22 1	0 42	14 38	1 37	20 32	0 45	10 3	2 6	4 58	0 48	22 29	0 44	17 26	5 47	12 48	12 32	0 20	16 50	4 18
F 24	18 40	25 23	5 15	16 44	4 3	21 50	0 44	14 49	1 36	20 33	0 45	10 4	2 7	4 59	0 48	22 30	0 44	17 26	5 47	12 48	12 34	0 17	16 50	4 18
S 25	18 25	27 30	5 1	17 2	3 50	21 38	0 46	15 1	1 36	20 35	0 45	10 6	2 7	4 59	0 48	22 30	0 44	17 26	5 48	12 49	12 35	0 14	16 50	4 18
S 26	18 10	28 3	4 33	17 20	3 35	21 25	0 48	15 12	1 35	20 37	0 45	10 7	2 7	5 0	0 48	22 30	0 44	17 26	5 48	12 50	12 36	0 10	16 50	4 18
M27	17 55	27 3	3 50	17 37	3 20	21 12	0 50	15 23	1 34	20 38	0 45	10 9	2 7	5 1	0 48	22 30	0 44	17 26	5 48	12 51	12 37	0 7	16 50	4 17
T 28	17 39	24 40	2 58	17 55	3 4	20 58	0 52	15 33	1 34	20 40	0 45	10 11	2 7	5 2	0 48	22 30	0 44	17 26	5 48	12 51	12 38	0 4	16 51	4 17
W29	17 23	21 9	1 57	18 11	2 48	20 43	0 54	15 44	1 33	20 42	0 45	10 12	2 7	5 2	0 48	22 30	0 44	17 26	5 48	12 52	12 39	0 0	16 51	4 17
T 30	17 7	16 45	0 52	18 27	2 31	20 28	0 56	15 55	1 33	20 43	0 45	10 14	2 8	5 3	0 48	22 30	0 43	17 26	5 48	12 52	12 40	0n 3	16 51	4 17
F 31	16n51	11 s45	0n14	18n41	2 s13	20n12	0n58	16n 5	1 s32	20n45	0 s45	10 s15	2 s 8	5 s 4	0 s48	22 s30	0n43	17n26	5 s48	12 s52	12 s41	0n 7	16 s51	4n17

Julian Day Number = 2148581.5, Delta T = 14m27s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'29, Lahiri = 12°17'29 Julian Calendar 1 July 1170 == Greg. Calendar 8 July 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

AUGUST 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 30	14♌28'10	10♓38	27♋18	5♌32	19♉38	6♊36	8°R48	19°R 5	9°R 9	20♊45	26♒ 8	26♒36	24♓49	4♐ 3	S 1
S 2	21 7 27	15°25'56	22°29	27°47	6°46	20°13	6°45	8♓44	19♓ 3	9♏ 8	20°46	26° 8	26°33	24°55	4° 4	S 2
M 3	21 11 23	16°23'42	4♈17	28°23	8° 0	20°48	6°53	8°39	19° 1	9° 7	20°46	26° 9	26°30	25° 2	4° 4	M 3
T 4	21 15 20	17°21'31	16° 7	29° 7	9°14	21°23	7° 2	8°35	18°59	9° 6	20°47	26°10	26°27	25° 9	4° 4	T 4
W 5	21 19 16	18°19'21	28° 2	29°58	10°28	21°57	7°10	8°31	18°57	9° 5	20°48	26°11	26°24	25°15	4° 4	W 5
T 6	21 23 13	19°17'13	10♉ 6	0♌56	11°42	22°32	7°19	8°27	18°55	9° 3	20°49	26°11	26°20	25°22	4° 5	T 6
F 7	21 27 9	20°15'07	22°25	2° 1	12°57	23° 6	7°27	8°23	18°53	9° 2	20°50	26°R12	26°17	25°29	4° 6	F 7
S 8	21 31 6	21°13'03	5♊ 2	3°12	14°11	23°40	7°35	8°18	18°51	9° 1	20°51	26°11	26°14	25°35	4° 6	S 8
S 9	21 35 3	22°11'01	18° 1	4°29	15°25	24°14	7°43	8°14	18°49	9° 0	20°52	26°11	26°11	25°42	4° 7	S 9
M10	21 38 59	23° 9'01	1♋25	5°52	16°40	24°47	7°51	8°10	18°47	8°59	20°52	26°11	26° 8	25°49	4° 8	M10
T 11	21 42 56	24° 7'03	15°15	7°20	17°54	25°21	7°58	8° 5	18°45	8°58	20°53	26°10	26° 5	25°55	4° 9	T 11
W12	21 46 52	25° 5'06	29°31	8°53	19° 8	25°54	8° 6	8° 1	18°43	8°57	20°54	26°10	26° 1	26° 2	4°10	W12
T 13	21 50 49	26° 3'11	14♌ 8	10°30	20°23	26°26	8°13	7°57	18°41	8°56	20°55	26°D10	25°58	26° 9	4°11	T 13
F 14	21 54 45	27° 1'18	29° 2	12°11	21°37	26°59	8°20	7°52	18°39	8°55	20°55	26°R10	25°55	26°15	4°13	F 14
S 15	21 58 42	27°59'27	14♍ 4	13°55	22°52	27°31	8°27	7°48	18°36	8°54	20°56	26°10	25°52	26°22	4°14	S 15
S 16	22 2 38	28°57'37	29° 6	15°42	24° 6	28° 3	8°34	7°43	18°34	8°53	20°57	26°10	25°49	26°29	4°15	S 16
M17	22 6 35	29°55'49	14♎ 0	17°31	25°21	28°35	8°41	7°38	18°32	8°52	20°57	26°10	25°45	26°35	4°17	M17
T 18	22 10 32	0♍54'02	28°38	19°22	26°35	29° 6	8°47	7°34	18°30	8°52	20°58	26° 9	25°42	26°42	4°18	T 18
W19	22 14 28	1°52'17	12♏55	21°14	27°50	29°37	8°54	7°29	18°27	8°51	20°58	26° 9	25°39	26°49	4°20	W19
T 20	22 18 25	2°50'33	26°50	23° 8	29° 4	0♊ 8	9° 0	7°25	18°25	8°50	20°59	26°D 9	25°36	26°55	4°22	T 20
F 21	22 22 21	3°48'51	10♐23	25° 2	0♍19	0°38	9° 6	7°20	18°23	8°49	21° 0	26° 9	25°33	27° 2	4°24	F 21
S 22	22 26 18	4°47'11	23°33	26°57	1°33	1° 8	9°12	7°15	18°20	8°48	21° 0	26° 9	25°30	27° 9	4°26	S 22
S 23	22 30 14	5°45'32	6♑24	28°52	2°48	1°38	9°18	7°11	18°18	8°48	21° 1	26°10	25°26	27°15	4°28	S 23
M24	22 34 11	6°43'55	18°59	0♍47	4° 2	2° 8	9°23	7° 6	18°16	8°47	21° 1	26°11	25°23	27°22	4°30	M24
T 25	22 38 7	7°42'20	1♒20	2°41	5°17	2°37	9°29	7° 2	18°13	8°46	21° 2	26°12	25°20	27°29	4°33	T 25
W26	22 42 4	8°40'46	13°29	4°35	6°32	3° 6	9°34	6°57	18°11	8°46	21° 2	26°12	25°17	27°35	4°35	W26
T 27	22 46 1	9°39'14	25°31	6°29	7°46	3°34	9°39	6°52	18° 9	8°45	21° 3	26°R13	25°14	27°42	4°37	T 27
F 28	22 49 57	10°37'44	7♓26	8°22	9° 1	4° 3	9°44	6°48	18° 6	8°45	21° 3	26°12	25°11	27°49	4°40	F 28
S 29	22 53 54	11°36'15	19°17	10°14	10°16	4°31	9°49	6°43	18° 4	8°44	21° 3	26°11	25° 7	27°55	4°42	S 29
S 30	22 57 50	12°34'49	1♈ 6	12° 5	11°30	4°58	9°54	6°39	18° 1	8°44	21° 4	26° 9	25° 4	28° 2	4°45	S 30
M31	23 1 47	13♍33'25	12♈55	13♍56	12♍45	5♊25	9♊58	6♓34	17♓59	8♑43	21♊ 4	26♒ 7	25♒ 1	28♓ 9	4♐48	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n34	6s23	1n20	18n54	1s56	19n56	0n59	16n15	1s31	20n46	0s45	10s17	2s 8	5s 4	0s48	22s31	0n43	17n26	5s48	12s52	12s42	0n10	16s51	4n16
S 2	16 17	0 50	2 21	19 5	1 39	19 39	1 1	16 25	1 31	20 48	0 45	10 19	2 8	5 5	0 48	22 31	0 43	17 26	5 48	12 52	12 43	0 13	16 52	4 16
M 3	16 0	4n43	3 16	19 15	1 22	19 22	1 3	16 35	1 30	20 49	0 45	10 20	2 8	5 6	0 48	22 31	0 43	17 26	5 48	12 51	12 44	0 17	16 52	4 16
T 4	15 42	10 6	4 3	19 23	1 5	19 3	1 4	16 45	1 29	20 50	0 45	10 22	2 8	5 7	0 48	22 31	0 43	17 26	5 48	12 51	12 45	0 20	16 52	4 16
W 5	15 24	15 10	4 40	19 28	0 48	18 45	1 6	16 55	1 29	20 52	0 45	10 24	2 9	5 7	0 48	22 31	0 43	17 26	5 48	12 51	12 47	0 23	16 53	4 15
T 6	15 6	19 44	5 5	19 31	0 32	18 26	1 7	17 4	1 28	20 53	0 45	10 26	2 9	5 8	0 48	22 31	0 43	17 26	5 48	12 51	12 48	0 27	16 53	4 15
F 7	14 48	23 33	5 17	19 32	0 17	18 6	1 9	17 14	1 27	20 54	0 45	10 27	2 9	5 9	0 48	22 31	0 43	17 26	5 48	12 51	12 49	0 30	16 53	4 15
S 8	14 30	26 22	5 14	19 30	0 2	17 46	1 10	17 23	1 26	20 56	0 45	10 29	2 9	5 10	0 48	22 31	0 43	17 26	5 48	12 51	12 50	0 33	16 54	4 15
S 9	14 11	27 54	4 55	19 25	0n12	17 25	1 11	17 32	1 26	20 57	0 45	10 31	2 9	5 11	0 48	22 31	0 43	17 26	5 48	12 51	12 51	0 37	16 54	4 14
M10	13 52	27 52	4 20	19 17	0 25	17 4	1 13	17 41	1 25	20 58	0 45	10 33	2 9	5 12	0 48	22 31	0 43	17 26	5 48	12 51	12 52	0 40	16 54	4 14
T 11	13 33	26 7	3 28	19 7	0 37	16 42	1 14	17 50	1 24	20 59	0 45	10 34	2 9	5 12	0 48	22 32	0 43	17 26	5 48	12 51	12 53	0 44	16 55	4 14
W12	13 13	22 40	2 23	18 54	0 48	16 20	1 15	17 58	1 23	21 1	0 45	10 36	2 9	5 13	0 48	22 32	0 43	17 26	5 49	12 51	12 54	0 47	16 55	4 14
T 13	12 54	17 43	1 6	18 37	0 58	15 58	1 16	18 7	1 22	21 2	0 46	10 38	2 10	5 14	0 48	22 32	0 43	17 26	5 49	12 51	12 55	0 50	16 56	4 13
F 14	12 34	11 37	0s16	18 18	1 8	15 35	1 17	18 15	1 21	21 3	0 46	10 40	2 10	5 15	0 48	22 32	0 43	17 26	5 49	12 51	12 56	0 54	16 56	4 13
S 15	12 14	4 47	1 38	17 56	1 16	15 11	1 18	18 23	1 21	21 4	0 46	10 41	2 10	5 16	0 48	22 32	0 43	17 26	5 49	12 51	12 57	0 57	16 57	4 13
S 16	11 53	2s17	2 53	17 32	1 23	14 47	1 19	18 31	1 20	21 5	0 46	10 43	2 10	5 17	0 48	22 32	0 43	17 26	5 49	12 51	12 58	1 0	16 57	4 13
M17	11 33	9 10	3 56	17 4	1 29	14 23	1 20	18 39	1 19	21 6	0 46	10 45	2 10	5 18	0 48	22 32	0 43	17 26	5 49	12 51	13 0	1 4	16 58	4 12
T 18	11 12	15 25	4 42	16 35	1 35	13 58	1 20	18 47	1 18	21 7	0 46	10 47	2 10	5 19	0 48	22 32	0 43	17 26	5 49	12 51	13 1	1 7	16 58	4 12
W19	10 51	20 41	5 9	16 3	1 39	13 33	1 21	18 55	1 17	21 8	0 46	10 49	2 10	5 19	0 48	22 32	0 43	17 26	5 49	12 52	13 2	1 10	16 59	4 12
T 20	10 30	24 41	5 17	15 29	1 43	13 8	1 22	19 2	1 16	21 9	0 46	10 50	2 10	5 20	0 48	22 32	0 43	17 26	5 49	12 52	13 3	1 14	16 59	4 12
F 21	10 9	27 11	5 8	14 53	1 45	12 42	1 22	19 9	1 15	21 10	0 46	10 52	2 10	5 21	0 48	22 32	0 43	17 26	5 49	12 52	13 4	1 17	17 0	4 12
S 22	9 48	28 5	4 42	14 16	1 47	12 16	1 23	19 17	1 14	21 11	0 46	10 54	2 10	5 22	0 48	22 33	0 43	17 26	5 49	12 52	13 5	1 20	17 0	4 11
S 23	9 26	27 26	4 2	13 37	1 48	11 49	1 23	19 24	1 13	21 11	0 46	10 56	2 10	5 23	0 48	22 33	0 43	17 26	5 49	12 51	13 6	1 24	17 1	4 11
M24	9 5	25 22	3 12	12 56	1 48	11 22	1 24	19 30	1 12	21 12	0 46	10 58	2 10	5 24	0 48	22 33	0 43	17 26	5 49	12 51	13 7	1 27	17 2	4 11
T 25	8 43	22 8	2 14	12 14	1 48	10 55	1 24	19 37	1 11	21 13	0 46	10 59	2 11	5 25	0 48	22 33	0 43	17 26	5 50	12 51	13 8	1 30	17 2	4 11
W26	8 21	17 58	1 10	11 32	1 47	10 28	1 24	19 44	1 10	21 14	0 46	11 1	2 11	5 26	0 48	22 33	0 43	17 26	5 50	12 50	13 9	1 34	17 3	4 10
T 27	7 59	13 8	0 4	10 48	1 45	10 0	1 25	19 50	1 9	21 14	0 46	11 3	2 11	5 27	0 48	22 33	0 43	17 26	5 50	12 50	13 10	1 37	17 4	4 10
F 28	7 37	7 52	1n 2	10 4	1 43	9 32	1 25	19 57	1 8	21 15	0 46	11 5	2 11	5 28	0 48	22 33	0 43	17 26	5 50	12 50	13 11	1 40	17 4	4 10
S 29	7 15	2 22	2 4	9 19	1 40	9 4	1 25	20 3	1 6	21 16	0 46	11 6	2 11	5 29	0 48	22 33	0 43	17 26	5 50	12 51	13 12	1 44	17 5	4 10
S 30	6 52	3n12	3 1	8 33	1 37	8 35	1 25	20 9	1 5	21 16	0 46	11 8	2 11	5 30	0 48	22 33	0 43	17 26	5 50	12 51	13 13	1 47	17 6	4 9
M31	6n30	8n39	3n50	7n47	1n34	8n 6	1n25	20n15	1s 4	21n17	0s46	11s10	2s11	5s31	0s48	22s33	0n43	17n26	5s50	12s52	13s15	1n50	17s 6	4n 9

Julian Day Number = 2148612.5, Delta T = 14m27s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'33, Lahiri = 12°17'33 Julian Calendar 1 Aug. 1170 == Greg. Calendar 8 Aug. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

SEPTEMBER 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 5 43	14♍32'03	24♈47	15♍45	14♍ 0	5♊52	10♊ 2	6°R29	17°R57	8°R43	21♊ 4	26°R 4	24♒58	28♓15	4♐51	T 1
W 2	23 9 40	15°30'43	6♉44	17°34	15°15	6°19	10° 6	6♓25	17♓54	8♑42	21° 5	26♒ 1	24°55	28°22	4°54	W 2
T 3	23 13 36	16°29'25	18°50	19°21	16°30	6°45	10°10	6°20	17°52	8°42	21° 5	25°59	24°51	28°29	4°57	T 3
F 4	23 17 33	17°28'10	1♊ 8	21° 8	17°44	7°10	10°14	6°16	17°49	8°42	21° 5	25°57	24°48	28°35	5° 0	F 4
S 5	23 21 29	18°26'56	13°42	22°54	18°59	7°35	10°17	6°11	17°47	8°41	21° 5	25°D56	24°45	28°42	5° 3	S 5
S 6	23 25 26	19°25'46	26°35	24°39	20°14	8° 0	10°21	6° 7	17°45	8°41	21° 6	25°56	24°42	28°49	5° 6	S 6
M 7	23 29 23	20°24'37	9♋51	26°22	21°29	8°25	10°24	6° 2	17°42	8°41	21° 6	25°57	24°39	28°55	5°10	M 7
T 8	23 33 19	21°23'31	23°33	28° 5	22°44	8°49	10°27	5°58	17°40	8°40	21° 6	25°58	24°36	29° 2	5°13	T 8
W 9	23 37 16	22°22'27	7♌42	29°47	23°59	9°12	10°30	5°54	17°37	8°40	21° 6	26° 0	24°32	29° 9	5°17	W 9
T 10	23 41 12	23°21'26	22°16	1♎28	25°14	9°35	10°32	5°49	17°35	8°40	21° 6	26°R 0	24°29	29°15	5°20	T 10
F 11	23 45 9	24°20'27	7♍12	3° 8	26°28	9°58	10°35	5°45	17°33	8°40	21° 6	26° 0	24°26	29°22	5°24	F 11
S 12	23 49 5	25°19'29	22°22	4°48	27°43	10°20	10°37	5°41	17°30	8°40	21° 6	25°58	24°23	29°29	5°28	S 12
S 13	23 53 2	26°18'34	7♎37	6°26	28°58	10°42	10°39	5°37	17°28	8°40	21° 6	25°55	24°20	29°35	5°32	S 13
M14	23 56 58	27°17'41	22°47	8° 4	0♎13	11° 3	10°41	5°33	17°25	8°D40	21° 6	25°51	24°16	29°42	5°36	M14
T 15	0 0 55	28°16'50	7♏42	9°40	1°28	11°23	10°42	5°28	17°23	8°40	21°R 6	25°46	24°13	29°49	5°40	T 15
W16	0 4 52	29°16'01	22°15	11°16	2°43	11°44	10°44	5°24	17°21	8°40	21° 6	25°42	24°10	29°55	5°44	W16
T 17	0 8 48	0♎15'13	6♐20	12°51	3°58	12° 3	10°45	5°20	17°18	8°40	21° 6	25°38	24° 7	0♈ 2	5°48	T 17
F 18	0 12 45	1°14'28	19°58	14°26	5°13	12°22	10°46	5°16	17°16	8°40	21° 6	25°36	24° 4	0° 9	5°52	F 18
S 19	0 16 41	2°13'44	3♑ 8	15°59	6°28	12°41	10°47	5°13	17°14	8°40	21° 6	25°D35	24° 1	0°15	5°56	S 19
S 20	0 20 38	3°13'02	15°55	17°32	7°43	12°59	10°47	5° 9	17°11	8°40	21° 6	25°36	23°57	0°22	6° 1	S 20
M21	0 24 34	4°12'22	28°22	19° 4	8°58	13°16	10°48	5° 5	17° 9	8°41	21° 6	25°38	23°54	0°29	6° 5	M21
T 22	0 28 31	5°11'44	10♒33	20°36	10°13	13°33	10°48	5° 1	17° 7	8°41	21° 6	25°39	23°51	0°35	6°10	T 22
W23	0 32 27	6°11'07	22°34	22° 6	11°28	13°49	10°R48	4°58	17° 5	8°41	21° 6	25°R40	23°48	0°42	6°14	W23
T 24	0 36 24	7°10'32	4♓27	23°36	12°43	14° 5	10°48	4°54	17° 2	8°42	21° 6	25°40	23°45	0°49	6°19	T 24
F 25	0 40 21	8°10'00	16°16	25° 5	13°58	14°20	10°48	4°51	17° 0	8°42	21° 5	25°38	23°42	0°55	6°24	F 25
S 26	0 44 17	9° 9'29	28° 5	26°33	15°13	14°34	10°47	4°47	16°58	8°42	21° 5	25°33	23°38	1° 2	6°28	S 26
S 27	0 48 14	10° 9'00	9♈55	28° 1	16°28	14°48	10°46	4°44	16°56	8°43	21° 5	25°27	23°35	1° 9	6°33	S 27
M28	0 52 10	11° 8'33	21°49	29°28	17°43	15° 1	10°45	4°41	16°54	8°43	21° 4	25°19	23°32	1°15	6°38	M28
T 29	0 56 7	12° 8'09	3♉47	0♏54	18°58	15°14	10°44	4°38	16°52	8°44	21° 4	25°10	23°29	1°22	6°43	T 29
W30	1 0 3	13♎ 7'46	15♉51	2♏19	20♎13	15♊26	10♊43	4♓34	16♓50	8♑44	21♊ 4	25♒ 1	23♒26	1♈29	6♐48	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 7	13n49	4n30	7n 1	1n30	7n37	1n25	20n21	1s 3	21n18	0s46	11s12	2s11	5s32	0s48	22s33	0n43	17n26	5s50	12s53	13s16	1n54	17s 7	4n 9
W 2	5 44	18 30	4 57	6 15	1 25	7 8	1 24	20 27	1 2	21 18	0 46	11 13	2 11	5 32	0 48	22 33	0 42	17 25	5 50	12 54	13 17	1 57	17 8	4 9
T 3	5 21	22 30	5 13	5 28	1 21	6 39	1 24	20 33	1 0	21 19	0 46	11 15	2 11	5 33	0 48	22 33	0 42	17 25	5 50	12 55	13 18	2 1	17 9	4 8
F 4	4 58	25 36	5 14	4 41	1 16	6 9	1 24	20 38	0 59	21 19	0 46	11 17	2 11	5 34	0 48	22 33	0 42	17 25	5 50	12 56	13 19	2 4	17 10	4 8
S 5	4 35	27 31	5 0	3 54	1 10	5 39	1 24	20 44	0 58	21 20	0 46	11 18	2 11	5 35	0 48	22 33	0 42	17 25	5 50	12 56	13 20	2 7	17 10	4 8
S 6	4 12	28 1	4 31	3 8	1 5	5 9	1 23	20 49	0 56	21 20	0 46	11 20	2 11	5 36	0 48	22 34	0 42	17 25	5 50	12 56	13 21	2 11	17 11	4 8
M 7	3 49	26 57	3 47	2 21	0 59	4 39	1 23	20 54	0 55	21 21	0 46	11 22	2 11	5 37	0 48	22 34	0 42	17 25	5 51	12 56	13 22	2 14	17 12	4 8
T 8	3 26	24 16	2 49	1 34	0 53	4 9	1 22	20 59	0 54	21 21	0 46	11 23	2 11	5 38	0 48	22 34	0 42	17 25	5 51	12 55	13 23	2 17	17 13	4 7
W 9	3 2	20 1	1 39	0 48	0 47	3 39	1 21	21 4	0 52	21 21	0 47	11 25	2 11	5 39	0 48	22 34	0 42	17 25	5 51	12 55	13 24	2 21	17 14	4 7
T 10	2 39	14 29	0 21	0 2	0 40	3 8	1 21	21 9	0 51	21 22	0 47	11 27	2 11	5 40	0 48	22 34	0 42	17 25	5 51	12 54	13 25	2 24	17 14	4 7
F 11	2 15	7 58	1s 1	0s44	0 34	2 38	1 20	21 14	0 50	21 22	0 47	11 28	2 11	5 41	0 48	22 34	0 42	17 25	5 51	12 55	13 26	2 27	17 15	4 7
S 12	1 52	0 55	2 20	1 30	0 27	2 7	1 19	21 18	0 48	21 22	0 47	11 30	2 11	5 42	0 48	22 34	0 42	17 25	5 51	12 55	13 27	2 30	17 16	4 7
S 13	1 28	6s13	3 28	2 15	0 21	1 36	1 18	21 23	0 47	21 23	0 47	11 31	2 11	5 43	0 48	22 34	0 42	17 25	5 51	12 56	13 28	2 34	17 17	4 6
M14	1 5	12 57	4 22	3 0	0 14	1 6	1 17	21 28	0 45	21 23	0 47	11 33	2 11	5 44	0 48	22 34	0 42	17 25	5 51	12 58	13 29	2 37	17 18	4 6
T 15	0 41	18 49	4 57	3 45	0 7	0 35	1 16	21 32	0 43	21 23	0 47	11 34	2 11	5 45	0 48	22 34	0 42	17 24	5 51	12 59	13 31	2 40	17 19	4 6
W16	0 18	23 26	5 12	4 29	0 0	0 4	1 15	21 36	0 42	21 23	0 47	11 36	2 11	5 46	0 48	22 34	0 42	17 24	5 51	13 1	13 32	2 44	17 20	4 6
T 17	0s 6	26 30	5 7	5 12	0s 7	0s27	1 14	21 40	0 40	21 23	0 47	11 37	2 11	5 46	0 48	22 34	0 42	17 24	5 51	13 2	13 33	2 47	17 20	4 6
F 18	0 30	27 54	4 45	5 56	0 14	0 58	1 13	21 45	0 39	21 23	0 47	11 39	2 11	5 47	0 48	22 34	0 42	17 24	5 51	13 3	13 34	2 50	17 21	4 5
S 19	0 53	27 38	4 8	6 39	0 21	1 29	1 12	21 49	0 37	21 23	0 47	11 40	2 11	5 48	0 48	22 34	0 42	17 24	5 52	13 3	13 35	2 54	17 22	4 5
S 20	1 17	25 54	3 20	7 21	0 28	2 0	1 10	21 53	0 35	21 23	0 47	11 41	2 10	5 49	0 48	22 34	0 42	17 24	5 52	13 3	13 36	2 57	17 23	4 5
M21	1 41	22 55	2 23	8 3	0 35	2 31	1 9	21 56	0 34	21 24	0 47	11 43	2 10	5 50	0 48	22 34	0 42	17 24	5 52	13 2	13 37	3 0	17 24	4 5
T 22	2 4	18 59	1 21	8 44	0 42	3 2	1 8	22 0	0 32	21 24	0 47	11 44	2 10	5 51	0 48	22 34	0 42	17 24	5 52	13 2	13 38	3 4	17 25	4 5
W23	2 28	14 19	0 17	9 24	0 49	3 32	1 6	22 4	0 30	21 24	0 47	11 45	2 10	5 52	0 48	22 34	0 42	17 24	5 52	13 1	13 39	3 7	17 26	4 4
T 24	2 52	9 11	0n48	10 4	0 56	4 3	1 5	22 8	0 28	21 23	0 47	11 46	2 10	5 53	0 48	22 34	0 42	17 24	5 52	13 1	13 40	3 10	17 27	4 4
F 25	3 15	3 46	1 49	10 44	1 3	4 34	1 3	22 11	0 26	21 23	0 47	11 48	2 10	5 53	0 48	22 34	0 42	17 24	5 52	13 2	13 41	3 14	17 28	4 4
S 26	3 39	1n47	2 46	11 23	1 10	5 4	1 2	22 15	0 24	21 23	0 47	11 49	2 10	5 54	0 48	22 34	0 42	17 23	5 52	13 4	13 42	3 17	17 29	4 4
S 27	4 2	7 15	3 36	12 1	1 17	5 35	1 0	22 18	0 23	21 23	0 47	11 50	2 10	5 55	0 48	22 34	0 42	17 23	5 52	13 6	13 43	3 20	17 30	4 4
M28	4 26	12 30	4 17	12 38	1 23	6 5	0 58	22 22	0 21	21 23	0 47	11 51	2 10	5 56	0 48	22 34	0 42	17 23	5 52	13 9	13 44	3 24	17 31	4 4
T 29	4 49	17 19	4 46	13 15	1 30	6 36	0 56	22 25	0 19	21 23	0 47	11 52	2 10	5 57	0 48	22 34	0 42	17 23	5 52	13 12	13 45	3 27	17 32	4 4
W30	5s12	21n29	5n 3	13s50	1s36	7s 6	0n55	22n28	0s17	21n23	0s47	11s53	2s10	5s58	0s48	22s34	0n42	17n23	5s52	13s15	13s46	3n30	17s33	4n 3

Julian Day Number = 2148643.5, Delta T = 14m27s
Ecliptic obliquity = 23°32'57, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'37, Lahiri = 12°17'38 Julian Calendar 1 Sept. 1170 == Greg. Calendar 8 Sept. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

OCTOBER 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 0	14♎ 7'26	28♉ 4	3♏43	21♎28	15♊37	10°R41	4°R31	16°R47	8♑45	21°R 4	24°R52	23♒22	1♈35	6♐53	T 1
F 2	1 7 56	15° 7'08	10♊27	5° 7	22°43	15°47	10♊39	4♓28	16♓45	8°45	21♊ 3	24♒45	23°19	1°42	6°58	F 2
S 3	1 11 53	16° 6'53	23° 3	6°30	23°59	15°57	10°37	4°26	16°43	8°46	21° 3	24°40	23°16	1°49	7° 4	S 3
S 4	1 15 50	17° 6'39	5♋54	7°51	25°14	16° 6	10°35	4°23	16°41	8°47	21° 2	24°38	23°13	1°55	7° 9	S 4
M 5	1 19 46	18° 6'28	19° 4	9°12	26°29	16°14	10°33	4°20	16°39	8°47	21° 2	24°D37	23°10	2° 2	7°14	M 5
T 6	1 23 43	19° 6'20	2♌35	10°32	27°44	16°21	10°30	4°18	16°38	8°48	21° 1	24°37	23° 7	2° 9	7°20	T 6
W 7	1 27 39	20° 6'13	16°30	11°50	28°59	16°28	10°27	4°15	16°36	8°49	21° 1	24°38	23° 3	2°16	7°25	W 7
T 8	1 31 36	21° 6'09	0♍50	13° 7	0♏14	16°34	10°24	4°13	16°34	8°49	21° 0	24°R38	23° 0	2°22	7°31	T 8
F 9	1 35 32	22° 6'07	15°33	14°23	1°29	16°39	10°21	4°10	16°32	8°50	21° 0	24°37	22°57	2°29	7°36	F 9
S 10	1 39 29	23° 6'07	0♎33	15°38	2°44	16°43	10°18	4° 8	16°30	8°51	20°59	24°32	22°54	2°36	7°42	S 10
S 11	1 43 25	24° 6'09	15°44	16°51	3°59	16°47	10°14	4° 6	16°28	8°52	20°59	24°26	22°51	2°42	7°47	S 11
M12	1 47 22	25° 6'13	0♏56	18° 2	5°14	16°49	10°11	4° 4	16°27	8°53	20°58	24°17	22°48	2°49	7°53	M12
T 13	1 51 19	26° 6'19	15°57	19°11	6°29	16°51	10° 7	4° 2	16°25	8°54	20°58	24° 7	22°44	2°56	7°59	T 13
W14	1 55 15	27° 6'27	0♐39	20°18	7°45	16°52	10° 3	4° 0	16°23	8°55	20°57	23°57	22°41	3° 2	8° 5	W14
T 15	1 59 12	28° 6'36	14°54	21°23	9° 0	16°R52	9°58	3°58	16°22	8°56	20°56	23°49	22°38	3° 9	8°10	T 15
F 16	2 3 8	29° 6'48	28°40	22°25	10°15	16°52	9°54	3°57	16°20	8°57	20°56	23°43	22°35	3°16	8°16	F 16
S 17	2 7 5	0♏ 7'01	11♑56	23°24	11°30	16°50	9°49	3°55	16°19	8°58	20°55	23°39	22°32	3°22	8°22	S 17
S 18	2 11 1	1° 7'15	24°46	24°19	12°45	16°48	9°44	3°54	16°17	8°59	20°54	23°37	22°28	3°29	8°28	S 18
M19	2 14 58	2° 7'31	7♒12	25°11	14° 0	16°44	9°39	3°52	16°16	9° 0	20°54	23°D37	22°25	3°36	8°34	M19
T 20	2 18 54	3° 7'48	19°22	25°59	15°15	16°40	9°34	3°51	16°14	9° 1	20°53	23°R38	22°22	3°42	8°40	T 20
W21	2 22 51	4° 8'07	1♓19	26°42	16°30	16°35	9°29	3°50	16°13	9° 2	20°52	23°38	22°19	3°49	8°46	W21
T 22	2 26 48	5° 8'27	13° 9	27°19	17°45	16°29	9°23	3°49	16°11	9° 4	20°51	23°36	22°16	3°56	8°53	T 22
F 23	2 30 44	6° 8'49	24°57	27°51	19° 1	16°22	9°18	3°48	16°10	9° 5	20°51	23°31	22°13	4° 2	8°59	F 23
S 24	2 34 41	7° 9'13	6♈46	28°16	20°16	16°14	9°12	3°47	16° 9	9° 6	20°50	23°24	22° 9	4° 9	9° 5	S 24
S 25	2 38 37	8° 9'37	18°40	28°34	21°31	16° 6	9° 6	3°46	16° 8	9° 7	20°49	23°14	22° 6	4°16	9°11	S 25
M26	2 42 34	9°10'04	0♉40	28°44	22°46	15°56	9° 0	3°46	16° 6	9° 9	20°48	23° 2	22° 3	4°22	9°18	M26
T 27	2 46 30	10°10'32	12°48	28°R46	24° 1	15°46	8°54	3°45	16° 5	9°10	20°47	22°48	22° 0	4°29	9°24	T 27
W28	2 50 27	11°11'02	25° 5	28°38	25°16	15°35	8°47	3°45	16° 4	9°12	20°46	22°34	21°57	4°36	9°30	W28
T 29	2 54 23	12°11'34	7♊31	28°20	26°31	15°23	8°41	3°44	16° 3	9°13	20°45	22°21	21°53	4°42	9°37	T 29
F 30	2 58 20	13°12'07	20° 7	27°52	27°46	15°10	8°34	3°44	16° 2	9°14	20°45	22°10	21°50	4°49	9°43	F 30
S 31	3 2 17	14♏12'42	2♋54	27♏13	29♏ 1	14♊56	8♊27	3°D44	16♓ 1	9♑16	20♊44	22♒ 1	21♒47	4♈56	9♐50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s36	24n48	5n 6	14s26	1s43	7s36	0n53	22n32	0s15	21n22	0s47	11s54	2s10	5s58	0s48	22s34	0n41	17n23	5s53	13s18	13s47	3n33	17s34	4n 3
F 2	5 59	26 59	4 56	15 0	1 49	8 5	0 51	22 35	0 13	21 22	0 47	11 55	2 9	5 59	0 48	22 34	0 41	17 23	5 53	13 20	13 48	3 37	17 35	4 3
S 3	6 22	27 52	4 30	15 33	1 55	8 35	0 49	22 38	0 10	21 22	0 47	11 56	2 9	6 0	0 48	22 34	0 41	17 23	5 53	13 22	13 49	3 40	17 36	4 3
S 4	6 45	27 16	3 51	16 6	2 1	9 4	0 47	22 41	0 8	21 21	0 47	11 57	2 9	6 1	0 48	22 34	0 41	17 23	5 53	13 22	13 51	3 43	17 37	4 3
M 5	7 8	25 8	2 59	16 37	2 6	9 34	0 45	22 44	0 6	21 21	0 47	11 58	2 9	6 1	0 48	22 34	0 41	17 23	5 53	13 23	13 52	3 47	17 38	4 3
T 6	7 31	21 33	1 56	17 8	2 12	10 3	0 43	22 47	0 4	21 21	0 47	11 59	2 9	6 2	0 48	22 34	0 41	17 23	5 53	13 22	13 53	3 50	17 39	4 3
W 7	7 54	16 39	0 44	17 38	2 17	10 31	0 41	22 50	0 2	21 20	0 47	12 0	2 9	6 3	0 48	22 34	0 41	17 22	5 53	13 22	13 54	3 53	17 40	4 2
T 8	8 16	10 43	0s33	18 6	2 22	11 0	0 39	22 53	0n 1	21 20	0 47	12 0	2 9	6 4	0 48	22 34	0 41	17 22	5 53	13 22	13 55	3 57	17 41	4 2
F 9	8 39	4 3	1 50	18 34	2 27	11 28	0 37	22 56	0 3	21 19	0 47	12 1	2 9	6 4	0 48	22 34	0 41	17 22	5 53	13 23	13 56	4 0	17 42	4 2
S 10	9 1	2s58	3 0	19 0	2 31	11 56	0 35	22 58	0 5	21 19	0 47	12 2	2 9	6 5	0 48	22 34	0 41	17 22	5 53	13 24	13 57	4 3	17 43	4 2
S 11	9 23	9 52	3 58	19 25	2 35	12 24	0 32	23 1	0 8	21 18	0 47	12 3	2 8	6 6	0 48	22 34	0 41	17 22	5 53	13 26	13 58	4 6	17 44	4 2
M12	9 46	16 12	4 39	19 49	2 38	12 51	0 30	23 4	0 10	21 18	0 47	12 3	2 8	6 6	0 48	22 34	0 41	17 22	5 53	13 29	13 59	4 10	17 45	4 2
T 13	10 8	21 29	5 1	20 11	2 41	13 18	0 28	23 6	0 13	21 17	0 47	12 4	2 8	6 7	0 48	22 34	0 41	17 22	5 53	13 33	14 0	4 13	17 46	4 2
W14	10 29	25 18	5 2	20 32	2 44	13 45	0 26	23 9	0 15	21 17	0 47	12 4	2 8	6 8	0 48	22 34	0 41	17 22	5 53	13 36	14 1	4 16	17 47	4 2
T 15	10 51	27 23	4 44	20 52	2 46	14 12	0 23	23 11	0 18	21 16	0 47	12 5	2 8	6 8	0 48	22 34	0 41	17 22	5 53	13 39	14 2	4 20	17 48	4 2
F 16	11 13	27 42	4 10	21 10	2 48	14 38	0 21	23 14	0 20	21 15	0 47	12 5	2 8	6 9	0 48	22 34	0 41	17 21	5 54	13 41	14 3	4 23	17 49	4 2
S 17	11 34	26 23	3 23	21 26	2 49	15 3	0 19	23 16	0 23	21 15	0 47	12 6	2 8	6 9	0 47	22 34	0 41	17 21	5 54	13 42	14 4	4 26	17 50	4 2
S 18	11 55	23 41	2 27	21 40	2 50	15 29	0 16	23 19	0 25	21 14	0 47	12 6	2 7	6 10	0 47	22 34	0 41	17 21	5 54	13 42	14 5	4 29	17 51	4 1
M19	12 16	19 57	1 26	21 53	2 49	15 54	0 14	23 21	0 28	21 13	0 47	12 7	2 7	6 10	0 47	22 34	0 41	17 21	5 54	13 42	14 6	4 33	17 52	4 1
T 20	12 37	15 27	0 23	22 3	2 48	16 18	0 11	23 23	0 31	21 13	0 47	12 7	2 7	6 11	0 47	22 34	0 41	17 21	5 54	13 42	14 7	4 36	17 53	4 1
W21	12 57	10 25	0n41	22 12	2 46	16 42	0 9	23 26	0 34	21 12	0 47	12 7	2 7	6 11	0 47	22 34	0 41	17 21	5 54	13 42	14 8	4 39	17 54	4 1
T 22	13 18	5 5	1 42	22 18	2 43	17 6	0 6	23 28	0 36	21 11	0 47	12 7	2 7	6 12	0 47	22 34	0 41	17 21	5 54	13 43	14 9	4 43	17 55	4 1
F 23	13 38	0n24	2 38	22 21	2 39	17 29	0 4	23 30	0 39	21 10	0 47	12 8	2 7	6 12	0 47	22 33	0 41	17 21	5 54	13 44	14 10	4 46	17 56	4 1
S 24	13 58	5 52	3 27	22 22	2 34	17 52	0 2	23 32	0 42	21 9	0 47	12 8	2 7	6 13	0 47	22 33	0 41	17 21	5 54	13 47	14 11	4 49	17 56	4 1
S 25	14 17	11 10	4 8	22 20	2 27	18 14	0s 1	23 34	0 45	21 9	0 47	12 8	2 6	6 13	0 47	22 33	0 41	17 21	5 54	13 50	14 12	4 52	17 57	4 1
M26	14 37	16 5	4 38	22 14	2 20	18 36	0 3	23 35	0 48	21 8	0 47	12 8	2 6	6 14	0 47	22 33	0 41	17 20	5 54	13 54	14 13	4 56	17 58	4 1
T 27	14 56	20 26	4 56	22 6	2 11	18 57	0 6	23 37	0 50	21 7	0 47	12 8	2 6	6 14	0 47	22 33	0 41	17 20	5 54	13 59	14 14	4 59	17 59	4 1
W28	15 15	23 58	5 0	21 53	2 0	19 18	0 8	23 39	0 53	21 6	0 47	12 8	2 6	6 15	0 47	22 33	0 41	17 20	5 54	14 3	14 15	5 2	18 0	4 1
T 29	15 34	26 26	4 50	21 37	1 47	19 38	0 11	23 40	0 56	21 5	0 47	12 8	2 6	6 15	0 47	22 33	0 41	17 20	5 54	14 8	14 16	5 5	18 1	4 1
F 30	15 52	27 36	4 26	21 17	1 33	19 58	0 13	23 42	0 59	21 4	0 47	12 8	2 6	6 15	0 47	22 33	0 41	17 20	5 54	14 11	14 18	5 9	18 2	4 1
S 31	16s11	27n19	3n48	20s53	1s18	20s17	0s16	23n43	1n 2	21n 3	0s47	12s 8	2s 5	6s16	0s47	22s33	0n41	17n20	5s54	14s14	14s19	5n12	18s 3	4n 1

Julian Day Number = 2148673.5, Delta T = 14m27s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'41, Lahiri = 12°17'42 Julian Calendar 1 Oct. 1170 == Greg. Calendar 8 Oct. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

NOVEMBER 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 6 13	15♏13'18	15♋53	26°R24	0♐16	14°R42	8°R20	3♓44	16°R 0	9♑17	20°R43	21°R56	21♒44	5♈ 2	9♐56	S 1
M 2	3 10 10	16°13'57	29° 5	25♏25	1°31	14♊27	8♊13	3°44	15♓59	9°19	20♊42	21♒53	21°41	5° 9	10° 3	M 2
T 3	3 14 6	17°14'37	12♌33	24°18	2°46	14°11	8° 6	3°44	15°59	9°20	20°41	21°52	21°38	5°16	10° 9	T 3
W 4	3 18 3	18°15'19	26°19	23° 4	4° 1	13°54	7°59	3°45	15°58	9°22	20°40	21°52	21°34	5°23	10°16	W 4
T 5	3 21 59	19°16'02	10♍23	21°44	5°17	13°37	7°52	3°45	15°57	9°24	20°39	21°51	21°31	5°29	10°22	T 5
F 6	3 25 56	20°16'48	24°46	20°22	6°32	13°18	7°44	3°46	15°56	9°25	20°38	21°49	21°28	5°36	10°29	F 6
S 7	3 29 52	21°17'34	9♎26	19° 1	7°47	13° 0	7°37	3°46	15°56	9°27	20°37	21°44	21°25	5°43	10°36	S 7
S 8	3 33 49	22°18'23	24°16	17°42	9° 2	12°40	7°29	3°47	15°55	9°29	20°36	21°35	21°22	5°49	10°42	S 8
M 9	3 37 46	23°19'13	9♏11	16°29	10°17	12°20	7°21	3°48	15°55	9°30	20°35	21°25	21°19	5°56	10°49	M 9
T 10	3 41 42	24°20'04	24° 1	15°24	11°32	12° 0	7°14	3°49	15°54	9°32	20°34	21°12	21°15	6° 3	10°56	T 10
W11	3 45 39	25°20'56	8♐36	14°28	12°47	11°39	7° 6	3°50	15°54	9°34	20°33	21° 0	21°12	6° 9	11° 3	W11
T 12	3 49 35	26°21'50	22°51	13°43	14° 2	11°17	6°58	3°51	15°54	9°35	20°31	20°49	21° 9	6°16	11° 9	T 12
F 13	3 53 32	27°22'45	6♑39	13° 9	15°17	10°55	6°50	3°52	15°53	9°37	20°30	20°41	21° 6	6°23	11°16	F 13
S 14	3 57 28	28°23'41	19°59	12°47	16°32	10°33	6°42	3°54	15°53	9°39	20°29	20°35	21° 3	6°29	11°23	S 14
S 15	4 1 25	29°24'37	2♒53	12°36	17°47	10°10	6°34	3°55	15°53	9°41	20°28	20°32	20°59	6°36	11°30	S 15
M16	4 5 21	0♐25'34	15°24	12°D36	19° 2	9°47	6°26	3°57	15°53	9°43	20°27	20°31	20°56	6°43	11°36	M16
T 17	4 9 18	1°26'32	27°35	12°46	20°17	9°24	6°18	3°58	15°52	9°45	20°26	20°31	20°53	6°49	11°43	T 17
W18	4 13 15	2°27'31	9♓34	13° 5	21°32	9° 1	6° 9	4° 0	15°52	9°47	20°25	20°31	20°50	6°56	11°50	W18
T 19	4 17 11	3°28'30	21°25	13°33	22°47	8°38	6° 1	4° 2	15°D52	9°48	20°24	20°29	20°47	7° 3	11°57	T 19
F 20	4 21 8	4°29'30	3♈13	14° 9	24° 2	8°14	5°53	4° 4	15°52	9°50	20°23	20°26	20°44	7°10	12° 4	F 20
S 21	4 25 4	5°30'31	15° 4	14°51	25°17	7°51	5°45	4° 6	15°53	9°52	20°21	20°19	20°40	7°16	12°11	S 21
S 22	4 29 1	6°31'32	27° 2	15°39	26°32	7°27	5°37	4° 9	15°53	9°54	20°20	20°10	20°37	7°23	12°18	S 22
M23	4 32 57	7°32'35	9♉ 9	16°33	27°47	7° 4	5°29	4°11	15°53	9°56	20°19	19°59	20°34	7°30	12°24	M23
T 24	4 36 54	8°33'37	21°27	17°31	29° 2	6°41	5°20	4°13	15°53	9°58	20°18	19°46	20°31	7°36	12°31	T 24
W25	4 40 50	9°34'41	3♊59	18°34	0♑17	6°18	5°12	4°16	15°53	10° 0	20°17	19°33	20°28	7°43	12°38	W25
T 26	4 44 47	10°35'45	16°42	19°40	1°32	5°55	5° 4	4°19	15°54	10° 2	20°16	19°20	20°25	7°50	12°45	T 26
F 27	4 48 44	11°36'50	29°38	20°49	2°47	5°33	4°56	4°21	15°54	10° 4	20°14	19°10	20°21	7°56	12°52	F 27
S 28	4 52 40	12°37'56	12♋46	22° 1	4° 2	5°10	4°48	4°24	15°55	10° 6	20°13	19° 2	20°18	8° 3	12°59	S 28
S 29	4 56 37	13°39'02	26° 3	23°15	5°17	4°48	4°40	4°27	15°55	10° 8	20°12	18°57	20°15	8°10	13° 6	S 29
M30	5 0 33	14♐40'09	9♌31	24♏31	6♑31	4♊27	4♊32	4♓30	15♓56	10♑11	20♊11	18♒54	20♒12	8♈16	13♐13	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s29	25n32	2n58	20s25	1s 1	20s36	0s18	23n45	1n 5	21n 2	0s47	12s 8	2s 5	6s16	0s47	22s33	0n41	17n20	5s54	14s16	14s20	5n15	18s 4	4n 1
M 2	16 46	22 21	1 57	19 53	0 42	20 54	0 21	23 46	1 8	21 1	0 47	12 7	2 5	6 16	0 47	22 33	0 40	17 20	5 54	14 17	14 21	5 18	18 5	4 1
T 3	17 4	17 54	0 49	19 18	0 23	21 11	0 23	23 47	1 11	21 0	0 46	12 7	2 5	6 17	0 47	22 33	0 40	17 20	5 54	14 17	14 22	5 22	18 6	4 1
W 4	17 21	12 26	0s23	18 40	0 3	21 28	0 26	23 48	1 14	20 59	0 46	12 7	2 5	6 17	0 47	22 33	0 40	17 20	5 54	14 17	14 23	5 25	18 7	4 1
T 5	17 37	6 13	1 36	18 0	0n18	21 44	0 28	23 48	1 17	20 58	0 46	12 7	2 5	6 17	0 47	22 33	0 40	17 20	5 54	14 17	14 24	5 28	18 8	4 1
F 6	17 54	0s26	2 44	17 18	0 39	22 0	0 31	23 49	1 20	20 56	0 46	12 6	2 4	6 17	0 47	22 32	0 40	17 19	5 54	14 18	14 25	5 31	18 9	4 1
S 7	18 10	7 10	3 43	16 37	0 58	22 15	0 33	23 50	1 23	20 55	0 46	12 6	2 4	6 17	0 47	22 32	0 40	17 19	5 54	14 20	14 26	5 35	18 10	4 1
S 8	18 26	13 35	4 27	15 57	1 17	22 29	0 35	23 50	1 26	20 54	0 46	12 6	2 4	6 18	0 47	22 32	0 40	17 19	5 54	14 22	14 27	5 38	18 11	4 1
M 9	18 41	19 15	4 53	15 20	1 34	22 43	0 38	23 50	1 28	20 53	0 46	12 5	2 4	6 18	0 47	22 32	0 40	17 19	5 54	14 26	14 28	5 41	18 11	4 1
T 10	18 56	23 42	5 0	14 47	1 50	22 56	0 40	23 50	1 31	20 52	0 46	12 5	2 4	6 18	0 47	22 32	0 40	17 19	5 54	14 30	14 29	5 44	18 12	4 1
W11	19 11	26 33	4 46	14 18	2 3	23 8	0 43	23 50	1 34	20 51	0 46	12 4	2 4	6 18	0 47	22 32	0 40	17 19	5 54	14 34	14 30	5 48	18 13	4 1
T 12	19 26	27 36	4 15	13 54	2 14	23 20	0 45	23 50	1 37	20 49	0 46	12 3	2 3	6 18	0 47	22 32	0 40	17 19	5 54	14 37	14 31	5 51	18 14	4 1
F 13	19 40	26 52	3 30	13 35	2 23	23 31	0 47	23 50	1 40	20 48	0 46	12 3	2 3	6 18	0 47	22 32	0 40	17 19	5 54	14 40	14 32	5 54	18 15	4 1
S 14	19 54	24 35	2 34	13 22	2 30	23 41	0 49	23 49	1 42	20 47	0 45	12 2	2 3	6 18	0 46	22 32	0 40	17 19	5 54	14 42	14 33	5 57	18 16	4 1
S 15	20 7	21 6	1 32	13 14	2 35	23 51	0 52	23 49	1 45	20 46	0 45	12 1	2 3	6 18	0 46	22 32	0 40	17 19	5 54	14 43	14 34	6 1	18 17	4 1
M16	20 20	16 44	0 27	13 10	2 38	23 59	0 54	23 48	1 48	20 44	0 45	12 1	2 3	6 18	0 46	22 31	0 40	17 19	5 54	14 43	14 35	6 4	18 17	4 1
T 17	20 33	11 47	0n37	13 12	2 40	24 7	0 56	23 47	1 50	20 43	0 45	12 0	2 3	6 18	0 46	22 31	0 40	17 19	5 54	14 43	14 36	6 7	18 18	4 2
W18	20 45	6 29	1 39	13 18	2 40	24 15	0 58	23 46	1 53	20 42	0 45	11 59	2 2	6 18	0 46	22 31	0 40	17 19	5 54	14 43	14 37	6 10	18 19	4 2
T 19	20 57	1 2	2 36	13 27	2 39	24 21	1 0	23 45	1 55	20 40	0 45	11 58	2 2	6 18	0 46	22 31	0 40	17 18	5 54	14 44	14 38	6 13	18 20	4 2
F 20	21 8	4n26	3 26	13 40	2 37	24 27	1 2	23 43	1 58	20 39	0 45	11 57	2 2	6 18	0 46	22 31	0 40	17 18	5 54	14 45	14 39	6 17	18 21	4 2
S 21	21 19	9 45	4 7	13 55	2 33	24 32	1 4	23 42	2 0	20 38	0 45	11 56	2 2	6 18	0 46	22 31	0 40	17 18	5 54	14 47	14 40	6 20	18 22	4 2
S 22	21 30	14 46	4 37	14 13	2 29	24 37	1 7	23 40	2 3	20 37	0 44	11 55	2 2	6 18	0 46	22 31	0 40	17 18	5 54	14 50	14 41	6 23	18 22	4 2
M23	21 40	19 16	4 56	14 33	2 25	24 40	1 8	23 38	2 5	20 35	0 44	11 54	2 2	6 18	0 46	22 31	0 40	17 18	5 54	14 53	14 42	6 26	18 23	4 2
T 24	21 50	23 3	5 1	14 55	2 19	24 43	1 10	23 37	2 7	20 34	0 44	11 53	2 1	6 18	0 46	22 31	0 40	17 18	5 54	14 57	14 43	6 30	18 24	4 2
W25	21 59	25 49	4 52	15 18	2 13	24 45	1 12	23 35	2 9	20 33	0 44	11 52	2 1	6 18	0 46	22 30	0 40	17 18	5 54	15 1	14 44	6 33	18 25	4 2
T 26	22 8	27 20	4 28	15 41	2 7	24 46	1 14	23 33	2 11	20 31	0 44	11 51	2 1	6 18	0 46	22 30	0 40	17 18	5 54	15 5	14 45	6 36	18 25	4 2
F 27	22 17	27 23	3 50	16 6	2 0	24 47	1 16	23 31	2 13	20 30	0 44	11 50	2 1	6 17	0 46	22 30	0 40	17 18	5 54	15 9	14 46	6 39	18 26	4 3
S 28	22 25	25 55	3 0	16 32	1 53	24 47	1 18	23 28	2 15	20 29	0 44	11 49	2 1	6 17	0 46	22 30	0 40	17 18	5 54	15 11	14 47	6 42	18 27	4 3
S 29	22 33	22 58	1 58	16 57	1 46	24 46	1 19	23 26	2 17	20 27	0 43	11 48	2 1	6 17	0 46	22 30	0 40	17 18	5 54	15 13	14 48	6 46	18 27	4 3
M30	22s40	18n45	0n50	17s23	1n39	24s44	1s21	23n24	2n19	20n26	0s43	11s46	2s 0	6s17	0s46	22s30	0n40	17n18	5s54	15s14	14s49	6n49	18s28	4n 3

Julian Day Number = 2148704.5, Delta T = 14m27s
Ecliptic obliquity = 23°32'56, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'46, Lahiri = 12°17'46 Julian Calendar 1 Nov. 1170 == Greg. Calendar 8 Nov. 1170

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ASTRODIENST EPHEMERIS for the year 1170
geocentric

DECEMBER 1170 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 4 30	15♐41'17	23♌ 9	25♏49	7♑46	4°R 6	4°R24	4♓33	15♓56	10♑13	20°R10	18°D54	20♒ 9	8♈23	13♐19	T 1
W 2	5 8 26	16°42'26	6♍57	27° 9	9° 1	3♊45	4♊16	4°36	15°57	10°15	20♊ 8	18♒55	20° 5	8°30	13°26	W 2
T 3	5 12 23	17°43'35	20°56	28°30	10°16	3°25	4° 9	4°40	15°58	10°17	20° 7	18°R55	20° 2	8°36	13°33	T 3
F 4	5 16 19	18°44'45	5♎ 6	29°52	11°31	3° 6	4° 1	4°43	15°59	10°19	20° 6	18°54	19°59	8°43	13°40	F 4
S 5	5 20 16	19°45'56	19°24	1♐16	12°46	2°47	3°53	4°47	15°59	10°21	20° 5	18°50	19°56	8°50	13°47	S 5
S 6	5 24 13	20°47'07	3♏49	2°40	14° 1	2°29	3°46	4°50	16° 0	10°23	20° 4	18°44	19°53	8°57	13°54	S 6
M 7	5 28 9	21°48'19	18°16	4° 5	15°15	2°11	3°38	4°54	16° 1	10°26	20° 2	18°36	19°50	9° 3	14° 1	M 7
T 8	5 32 6	22°49'32	2♐39	5°31	16°30	1°54	3°31	4°58	16° 2	10°28	20° 1	18°27	19°46	9°10	14° 7	T 8
W 9	5 36 2	23°50'45	16°53	6°58	17°45	1°38	3°24	5° 1	16° 3	10°30	20° 0	18°17	19°43	9°17	14°14	W 9
T 10	5 39 59	24°51'58	0♑51	8°25	19° 0	1°22	3°17	5° 5	16° 4	10°32	19°59	18° 8	19°40	9°23	14°21	T 10
F 11	5 43 55	25°53'11	14°28	9°53	20°15	1° 8	3°10	5° 9	16° 5	10°34	19°58	18° 2	19°37	9°30	14°28	F 11
S 12	5 47 52	26°54'25	27°44	11°21	21°29	0°54	3° 3	5°14	16° 6	10°37	19°56	17°57	19°34	9°37	14°35	S 12
S 13	5 51 49	27°55'38	10♒36	12°50	22°44	0°40	2°56	5°18	16° 8	10°39	19°55	17°55	19°31	9°43	14°41	S 13
M14	5 55 45	28°56'51	23° 8	14°19	23°59	0°28	2°49	5°22	16° 9	10°41	19°54	17°D55	19°27	9°50	14°48	M14
T 15	5 59 42	29°58'03	5♓23	15°49	25°13	0°16	2°43	5°26	16°10	10°43	19°53	17°56	19°24	9°57	14°55	T 15
W16	6 3 38	0♑59'16	17°24	17°20	26°28	0° 6	2°37	5°31	16°12	10°46	19°52	17°57	19°21	10° 3	15° 1	W16
T 17	6 7 35	2° 0'28	29°17	18°50	27°43	29♉56	2°30	5°35	16°13	10°48	19°50	17°R58	19°18	10°10	15° 8	T 17
F 18	6 11 31	3° 1'39	11♈ 7	20°21	28°57	29°46	2°24	5°40	16°15	10°50	19°49	17°58	19°15	10°17	15°15	F 18
S 19	6 15 28	4° 2'50	22°59	21°53	0♒12	29°38	2°18	5°45	16°16	10°52	19°48	17°56	19°11	10°24	15°21	S 19
S 20	6 19 24	5° 4'01	4♉59	23°25	1°26	29°31	2°13	5°50	16°18	10°55	19°47	17°51	19° 8	10°30	15°28	S 20
M21	6 23 21	6° 5'11	17° 9	24°57	2°41	29°24	2° 7	5°54	16°19	10°57	19°46	17°46	19° 5	10°37	15°34	M21
T 22	6 27 18	7° 6'21	29°34	26°30	3°55	29°18	2° 2	5°59	16°21	10°59	19°45	17°39	19° 2	10°44	15°41	T 22
W23	6 31 14	8° 7'31	12♊16	28° 4	5°10	29°13	1°56	6° 4	16°23	11° 1	19°44	17°31	18°59	10°50	15°48	W23
T 24	6 35 11	9° 8'40	25°15	29°37	6°24	29° 9	1°51	6°10	16°24	11° 4	19°42	17°24	18°56	10°57	15°54	T 24
F 25	6 39 7	10° 9'48	8♋31	1♑11	7°39	29° 5	1°46	6°15	16°26	11° 6	19°41	17°18	18°52	11° 4	16° 0	F 25
S 26	6 43 4	11°10'56	22° 2	2°46	8°53	29° 3	1°41	6°20	16°28	11° 8	19°40	17°14	18°49	11°10	16° 7	S 26
S 27	6 47 0	12°12'04	5♌46	4°21	10° 8	29° 1	1°37	6°25	16°30	11°10	19°39	17°12	18°46	11°17	16°13	S 27
M28	6 50 57	13°13'11	19°40	5°57	11°22	29° 0	1°32	6°31	16°32	11°13	19°38	17°D11	18°43	11°24	16°20	M28
T 29	6 54 53	14°14'17	3♍41	7°33	12°36	29°D 0	1°28	6°36	16°34	11°15	19°37	17°12	18°40	11°30	16°26	T 29
W30	6 58 50	15°15'24	17°47	9° 9	13°50	29° 0	1°24	6°42	16°36	11°17	19°36	17°13	18°37	11°37	16°32	W30
T 31	7 2 47	16♑16'30	1♎56	10♑47	15♒ 5	29♉ 1	1♊20	6♓47	16♓38	11♑20	19♊35	17♒15	18♒33	11♈44	16♐38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s47	13n30	0s23	17s49	1n31	24s42	1s23	23n22	2n20	20n25	0s43	11s45	2s 0	6s16	0s46	22s30	0n40	17n18	5s54	15s14	14s50	6n52	18s29	4n 3
W 2	22 53	7 32	1 35	18 15	1 24	24 38	1 24	23 19	2 22	20 24	0 43	11 44	2 0	6 16	0 46	22 29	0 40	17 18	5 54	15 13	14 51	6 55	18 29	4 3
T 3	22 59	1 7	2 42	18 41	1 16	24 34	1 26	23 17	2 23	20 22	0 43	11 42	2 0	6 16	0 46	22 29	0 40	17 18	5 54	15 13	14 52	6 58	18 30	4 3
F 4	23 4	5s24	3 41	19 6	1 8	24 29	1 27	23 14	2 25	20 21	0 43	11 41	2 0	6 15	0 46	22 29	0 40	17 18	5 54	15 14	14 53	7 2	18 31	4 4
S 5	23 9	11 43	4 26	19 31	1 1	24 24	1 28	23 12	2 26	20 20	0 42	11 40	2 0	6 15	0 46	22 29	0 40	17 18	5 54	15 15	14 54	7 5	18 31	4 4
S 6	23 14	17 28	4 55	19 55	0 53	24 18	1 30	23 10	2 28	20 19	0 42	11 38	2 0	6 15	0 46	22 29	0 40	17 18	5 54	15 17	14 55	7 8	18 32	4 4
M 7	23 18	22 13	5 5	20 19	0 45	24 11	1 31	23 7	2 29	20 17	0 42	11 37	1 59	6 14	0 46	22 29	0 40	17 18	5 54	15 19	14 56	7 11	18 33	4 4
T 8	23 21	25 37	4 56	20 43	0 37	24 3	1 32	23 5	2 30	20 16	0 42	11 35	1 59	6 14	0 45	22 29	0 40	17 17	5 54	15 22	14 57	7 14	18 33	4 4
W 9	23 24	27 21	4 28	21 5	0 30	23 54	1 33	23 3	2 31	20 15	0 42	11 33	1 59	6 13	0 45	22 28	0 40	17 17	5 54	15 25	14 58	7 18	18 34	4 5
T 10	23 27	27 18	3 45	21 27	0 22	23 45	1 34	23 1	2 32	20 14	0 41	11 32	1 59	6 13	0 45	22 28	0 40	17 17	5 54	15 28	14 59	7 21	18 34	4 5
F 11	23 29	25 34	2 50	21 48	0 15	23 35	1 35	22 58	2 33	20 13	0 41	11 30	1 59	6 12	0 45	22 28	0 40	17 17	5 54	15 30	15 0	7 24	18 35	4 5
S 12	23 31	22 27	1 46	22 8	0 7	23 24	1 36	22 56	2 34	20 12	0 41	11 29	1 59	6 12	0 45	22 28	0 40	17 17	5 53	15 31	15 1	7 27	18 36	4 5
S 13	23 32	18 17	0 39	22 27	0s 0	23 13	1 37	22 54	2 35	20 10	0 41	11 27	1 59	6 11	0 45	22 28	0 40	17 17	5 53	15 32	15 2	7 30	18 36	4 5
M14	23 33	13 25	0n28	22 45	0 7	23 1	1 38	22 52	2 35	20 9	0 41	11 25	1 58	6 11	0 45	22 28	0 40	17 17	5 53	15 32	15 3	7 33	18 37	4 6
T 15	23 33	8 8	1 33	23 2	0 14	22 48	1 39	22 51	2 36	20 8	0 40	11 23	1 58	6 10	0 45	22 27	0 40	17 17	5 53	15 32	15 4	7 37	18 37	4 6
W16	23 33	2 40	2 32	23 18	0 21	22 35	1 39	22 49	2 37	20 7	0 40	11 22	1 58	6 10	0 45	22 27	0 40	17 17	5 53	15 31	15 5	7 40	18 38	4 6
T 17	23 32	2n50	3 25	23 33	0 28	22 21	1 40	22 47	2 37	20 6	0 40	11 20	1 58	6 9	0 45	22 27	0 40	17 17	5 53	15 31	15 6	7 43	18 38	4 6
F 18	23 31	8 13	4 8	23 47	0 35	22 6	1 40	22 46	2 38	20 5	0 40	11 18	1 58	6 9	0 45	22 27	0 39	17 17	5 53	15 31	15 7	7 46	18 39	4 7
S 19	23 29	13 19	4 41	23 59	0 41	21 50	1 41	22 44	2 38	20 4	0 40	11 16	1 58	6 8	0 45	22 27	0 39	17 17	5 53	15 32	15 8	7 49	18 39	4 7
S 20	23 27	17 58	5 2	24 11	0 48	21 34	1 41	22 43	2 39	20 3	0 39	11 14	1 58	6 7	0 45	22 27	0 39	17 17	5 53	15 33	15 9	7 52	18 39	4 7
M21	23 24	21 58	5 9	24 21	0 54	21 18	1 41	22 42	2 39	20 2	0 39	11 12	1 58	6 7	0 45	22 26	0 39	17 17	5 53	15 35	15 10	7 56	18 40	4 7
T 22	23 21	25 4	5 3	24 30	1 0	21 0	1 42	22 41	2 39	20 2	0 39	11 10	1 57	6 6	0 45	22 26	0 39	17 17	5 53	15 37	15 11	7 59	18 40	4 8
W23	23 18	27 1	4 41	24 38	1 6	20 42	1 42	22 40	2 39	20 1	0 39	11 8	1 57	6 5	0 45	22 26	0 39	17 17	5 53	15 39	15 12	8 2	18 41	4 8
T 24	23 14	27 33	4 5	24 44	1 11	20 24	1 42	22 39	2 40	20 0	0 38	11 6	1 57	6 5	0 45	22 26	0 39	17 17	5 52	15 41	15 13	8 5	18 41	4 8
F 25	23 9	26 31	3 15	24 49	1 16	20 5	1 42	22 39	2 40	19 59	0 38	11 4	1 57	6 4	0 45	22 26	0 39	17 17	5 52	15 43	15 14	8 8	18 41	4 8
S 26	23 5	23 55	2 13	24 53	1 22	19 45	1 42	22 38	2 40	19 58	0 38	11 2	1 57	6 3	0 45	22 25	0 39	17 17	5 52	15 44	15 15	8 11	18 42	4 9
S 27	22 59	19 55	1 2	24 55	1 26	19 25	1 42	22 38	2 40	19 58	0 38	11 0	1 57	6 2	0 45	22 25	0 39	17 17	5 52	15 45	15 16	8 14	18 42	4 9
M28	22 53	14 46	0s14	24 56	1 31	19 4	1 41	22 38	2 40	19 57	0 38	10 58	1 57	6 2	0 45	22 25	0 39	17 17	5 52	15 45	15 17	8 18	18 43	4 9
T 29	22 47	8 49	1 29	24 55	1 35	18 43	1 41	22 37	2 40	19 56	0 37	10 56	1 57	6 1	0 45	22 25	0 39	17 17	5 52	15 45	15 18	8 21	18 43	4 10
W30	22 40	2 24	2 39	24 53	1 40	18 21	1 41	22 38	2 40	19 56	0 37	10 54	1 56	6 0	0 45	22 25	0 39	17 18	5 52	15 45	15 19	8 24	18 43	4 10
T 31	22s33	4s 8	3s41	24s50	1s43	17s59	1s40	22n38	2n40	19n55	0s37	10s52	1s56	5s59	0s45	22s25	0n39	17n18	5s52	15s44	15s20	8n27	18s43	4n10

Julian Day Number = 2148734.5, Delta T = 14m26s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'50, Lahiri = 12°17'50 Julian Calendar 1 Dec. 1170 == Greg. Calendar 8 Dec. 1170

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

JANUARY 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 6 43	17♑17'35	16♎ 5	12♑24	16♒19	29♉ 3	1°R17	6♓53	16♓40	11♑22	19°R34	17°R16	18♒30	11♈51	16♐45	F 1
S 2	7 10 40	18°18'41	0♏14	14° 3	17°33	29° 6	1♊13	6°58	16°42	11°24	19♊33	17♒15	18°27	11°57	16°51	S 2
S 3	7 14 36	19°19'46	14°20	15°42	18°47	29° 9	1°10	7° 4	16°44	11°26	19°32	17°13	18°24	12° 4	16°57	S 3
M 4	7 18 33	20°20'50	28°22	17°21	20° 1	29°14	1° 7	7°10	16°46	11°29	19°31	17°10	18°21	12°11	17° 3	M 4
T 5	7 22 29	21°21'54	12♐15	19° 1	21°15	29°18	1° 4	7°16	16°48	11°31	19°30	17° 6	18°17	12°17	17° 9	T 5
W 6	7 26 26	22°22'57	25°59	20°42	22°29	29°24	1° 1	7°22	16°51	11°33	19°29	17° 2	18°14	12°24	17°15	W 6
T 7	7 30 23	23°24'00	9♑30	22°23	23°43	29°30	0°59	7°28	16°53	11°35	19°28	16°59	18°11	12°31	17°21	T 7
F 8	7 34 19	24°25'02	22°46	24° 5	24°57	29°37	0°56	7°34	16°55	11°38	19°27	16°56	18° 8	12°37	17°27	F 8
S 9	7 38 16	25°26'02	5♒46	25°48	26°11	29°45	0°54	7°40	16°58	11°40	19°26	16°54	18° 5	12°44	17°33	S 9
S 10	7 42 12	26°27'02	18°28	27°31	27°25	29°53	0°52	7°46	17° 0	11°42	19°25	16°D54	18° 2	12°51	17°39	S 10
M11	7 46 9	27°28'01	0♓55	29°15	28°39	0♊ 2	0°51	7°53	17° 3	11°44	19°24	16°54	17°58	12°58	17°44	M11
T 12	7 50 5	28°28'58	13° 8	0♒59	29°53	0°11	0°49	7°59	17° 5	11°46	19°23	16°56	17°55	13° 4	17°50	T 12
W13	7 54 2	29°29'54	25° 9	2°44	1♓ 6	0°21	0°48	8° 5	17° 8	11°49	19°22	16°57	17°52	13°11	17°56	W13
T 14	7 57 58	0♒30'49	7♈ 3	4°30	2°20	0°32	0°47	8°12	17°10	11°51	19°21	16°59	17°49	13°18	18° 1	T 14
F 15	8 1 55	1°31'42	18°54	6°16	3°34	0°43	0°46	8°18	17°13	11°53	19°20	17° 0	17°46	13°24	18° 7	F 15
S 16	8 5 52	2°32'34	0♉46	8° 3	4°47	0°55	0°45	8°25	17°16	11°55	19°19	17°R 0	17°43	13°31	18°12	S 16
S 17	8 9 48	3°33'24	12°45	9°50	6° 1	1° 7	0°45	8°31	17°18	11°57	19°19	17° 0	17°39	13°38	18°18	S 17
M18	8 13 45	4°34'13	24°55	11°38	7°14	1°20	0°44	8°38	17°21	12° 0	19°18	16°59	17°36	13°44	18°23	M18
T 19	8 17 41	5°35'00	7♊20	13°26	8°28	1°34	0°D44	8°44	17°24	12° 2	19°17	16°58	17°33	13°51	18°29	T 19
W20	8 21 38	6°35'46	20° 4	15°14	9°41	1°48	0°44	8°51	17°27	12° 4	19°16	16°56	17°30	13°58	18°34	W20
T 21	8 25 34	7°36'31	3♋10	17° 2	10°54	2° 2	0°45	8°58	17°29	12° 6	19°16	16°55	17°27	14° 5	18°39	T 21
F 22	8 29 31	8°37'14	16°37	18°50	12° 7	2°17	0°45	9° 5	17°32	12° 8	19°15	16°54	17°23	14°11	18°44	F 22
S 23	8 33 27	9°37'55	0♌26	20°38	13°21	2°33	0°46	9°11	17°35	12°10	19°14	16°53	17°20	14°18	18°49	S 23
S 24	8 37 24	10°38'35	14°34	22°25	14°34	2°49	0°47	9°18	17°38	12°12	19°13	16°D53	17°17	14°25	18°54	S 24
M25	8 41 21	11°39'13	28°56	24°11	15°47	3° 5	0°48	9°25	17°41	12°14	19°13	16°53	17°14	14°31	18°59	M25
T 26	8 45 17	12°39'50	13♍27	25°57	17° 0	3°22	0°49	9°32	17°44	12°16	19°12	16°53	17°11	14°38	19° 4	T 26
W27	8 49 14	13°40'26	28° 1	27°41	18°12	3°39	0°51	9°39	17°47	12°18	19°11	16°54	17° 8	14°45	19° 9	W27
T 28	8 53 10	14°41'00	12♎33	29°23	19°25	3°57	0°53	9°46	17°50	12°20	19°11	16°54	17° 4	14°51	19°14	T 28
F 29	8 57 7	15°41'33	26°58	1♓ 2	20°38	4°15	0°55	9°53	17°53	12°22	19°10	16°54	17° 1	14°58	19°19	F 29
S 30	9 1 3	16°42'05	11♏12	2°39	21°51	4°33	0°57	10° 0	17°56	12°24	19°10	16°54	16°58	15° 5	19°23	S 30
S 31	9 5 0	17♒42'35	25♏13	4♓13	23♓ 3	4♊52	0♊59	10♓ 7	17♓59	12♑26	19♊ 9	16♒54	16♒55	15♈12	19♐28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s25	10s29	4s28	24s44	1s47	17s36	1s40	22n38	2n40	19n55	0s37	10s49	1s56	5s58	0s45	22s24	0n39	17n18	5s52	15s44	15s21	8n30	18s44	4n11
S 2	22 17	16 16	5 0	24 38	1 50	17 13	1 39	22 39	2 40	19 54	0 36	10 47	1 56	5 57	0 45	22 24	0 39	17 18	5 52	15 44	15 22	8 33	18 44	4 11
S 3	22 9	21 11	5 13	24 30	1 53	16 49	1 38	22 39	2 39	19 54	0 36	10 45	1 56	5 57	0 45	22 24	0 39	17 18	5 51	15 45	15 23	8 36	18 44	4 11
M 4	22 0	24 52	5 7	24 20	1 56	16 25	1 37	22 40	2 39	19 53	0 36	10 43	1 56	5 56	0 44	22 24	0 39	17 18	5 51	15 46	15 24	8 39	18 44	4 12
T 5	21 51	27 3	4 44	24 8	1 58	16 0	1 37	22 41	2 39	19 53	0 36	10 40	1 56	5 55	0 44	22 24	0 39	17 18	5 51	15 47	15 25	8 43	18 45	4 12
W 6	21 41	27 33	4 4	23 55	2 0	15 35	1 36	22 42	2 39	19 53	0 36	10 38	1 56	5 54	0 44	22 23	0 39	17 18	5 51	15 48	15 26	8 46	18 45	4 12
T 7	21 31	26 23	3 11	23 41	2 2	15 10	1 35	22 43	2 38	19 52	0 35	10 36	1 56	5 53	0 44	22 23	0 39	17 18	5 51	15 49	15 27	8 49	18 45	4 13
F 8	21 20	23 44	2 9	23 24	2 3	14 44	1 34	22 44	2 38	19 52	0 35	10 33	1 56	5 52	0 44	22 23	0 39	17 18	5 51	15 50	15 28	8 52	18 45	4 13
S 9	21 9	19 54	1 1	23 6	2 4	14 18	1 32	22 45	2 38	19 52	0 35	10 31	1 56	5 51	0 44	22 23	0 39	17 18	5 51	15 50	15 29	8 55	18 45	4 13
S 10	20 58	15 13	0n 9	22 47	2 4	13 51	1 31	22 47	2 38	19 52	0 35	10 29	1 55	5 50	0 44	22 23	0 39	17 18	5 51	15 51	15 30	8 58	18 46	4 14
M11	20 46	10 0	1 17	22 25	2 4	13 24	1 30	22 48	2 37	19 52	0 34	10 26	1 55	5 49	0 44	22 23	0 39	17 18	5 50	15 50	15 31	9 1	18 46	4 14
T 12	20 34	4 30	2 20	22 2	2 3	12 57	1 28	22 50	2 37	19 51	0 34	10 24	1 55	5 48	0 44	22 22	0 39	17 18	5 50	15 50	15 32	9 4	18 46	4 14
W13	20 21	1n 4	3 16	21 37	2 2	12 29	1 27	22 52	2 36	19 51	0 34	10 21	1 55	5 47	0 44	22 22	0 39	17 18	5 50	15 50	15 33	9 7	18 46	4 15
T 14	20 8	6 31	4 3	21 11	2 1	12 1	1 25	22 54	2 36	19 51	0 34	10 19	1 55	5 46	0 44	22 22	0 39	17 18	5 50	15 49	15 34	9 10	18 46	4 15
F 15	19 55	11 44	4 39	20 42	1 59	11 33	1 24	22 56	2 36	19 51	0 33	10 16	1 55	5 45	0 44	22 22	0 39	17 18	5 50	15 49	15 35	9 14	18 46	4 16
S 16	19 41	16 32	5 4	20 13	1 56	11 4	1 22	22 58	2 35	19 52	0 33	10 14	1 55	5 44	0 44	22 22	0 39	17 18	5 50	15 49	15 36	9 17	18 46	4 16
S 17	19 27	20 44	5 16	19 41	1 53	10 35	1 20	23 0	2 35	19 52	0 33	10 11	1 55	5 43	0 44	22 21	0 39	17 19	5 50	15 49	15 37	9 20	18 46	4 16
M18	19 12	24 9	5 13	19 8	1 50	10 6	1 18	23 2	2 34	19 52	0 33	10 9	1 55	5 42	0 44	22 21	0 39	17 19	5 49	15 49	15 38	9 23	18 46	4 17
T 19	18 58	26 31	4 57	18 33	1 45	9 37	1 16	23 5	2 34	19 52	0 33	10 6	1 55	5 41	0 44	22 21	0 39	17 19	5 49	15 49	15 39	9 26	18 46	4 17
W20	18 43	27 35	4 25	17 56	1 40	9 7	1 14	23 7	2 33	19 52	0 32	10 4	1 55	5 40	0 44	22 21	0 39	17 19	5 49	15 50	15 40	9 29	18 46	4 18
T 21	18 27	27 10	3 39	17 19	1 35	8 37	1 12	23 10	2 33	19 53	0 32	10 1	1 55	5 38	0 44	22 21	0 39	17 19	5 49	15 50	15 41	9 32	18 46	4 18
F 22	18 11	25 9	2 40	16 39	1 29	8 7	1 10	23 12	2 32	19 53	0 32	9 58	1 55	5 37	0 44	22 20	0 39	17 19	5 49	15 51	15 42	9 35	18 46	4 19
S 23	17 55	21 37	1 30	15 58	1 22	7 37	1 8	23 15	2 32	19 53	0 32	9 56	1 55	5 36	0 44	22 20	0 39	17 19	5 49	15 51	15 43	9 38	18 46	4 19
S 24	17 39	16 44	0 13	15 16	1 14	7 7	1 6	23 17	2 31	19 54	0 31	9 53	1 55	5 35	0 44	22 20	0 39	17 19	5 48	15 51	15 43	9 41	18 46	4 19
M25	17 22	10 52	1s 6	14 33	1 6	6 36	1 3	23 20	2 31	19 54	0 31	9 50	1 55	5 34	0 44	22 20	0 39	17 19	5 48	15 51	15 44	9 44	18 46	4 20
T 26	17 5	4 21	2 22	13 49	0 57	6 5	1 1	23 23	2 30	19 55	0 31	9 48	1 54	5 33	0 44	22 20	0 39	17 19	5 48	15 51	15 45	9 47	18 46	4 20
W27	16 48	2s24	3 29	13 4	0 47	5 35	0 58	23 26	2 30	19 55	0 31	9 45	1 54	5 31	0 44	22 20	0 39	17 19	5 48	15 51	15 46	9 50	18 46	4 21
T 28	16 30	9 0	4 22	12 19	0 37	5 4	0 56	23 29	2 29	19 56	0 31	9 42	1 54	5 30	0 44	22 19	0 39	17 20	5 48	15 50	15 47	9 54	18 46	4 21
F 29	16 12	15 4	4 58	11 33	0 26	4 32	0 53	23 32	2 29	19 56	0 30	9 40	1 54	5 29	0 44	22 19	0 39	17 20	5 48	15 50	15 48	9 57	18 46	4 22
S 30	15 54	20 15	5 16	10 47	0 14	4 1	0 50	23 34	2 28	19 57	0 30	9 37	1 54	5 28	0 44	22 19	0 39	17 20	5 48	15 50	15 49	10 0	18 46	4 22
S 31	15s36	24s14	5s14	10s 2	0s 1	3s30	0s47	23n37	2n28	19n58	0s30	9s34	1s54	5s27	0s44	22s19	0n39	17n20	5s47	15s50	15s50	10n 3	18s46	4n23

Julian Day Number = 2148765.5, Delta T = 14m26s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'54, Lahiri = 12°17'54 Julian Calendar 1 Jan. 1171 == Greg. Calendar 8 Jan. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

FEBRUARY 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 8 56	18♒43'05	9♐ 0	5♓42	24♓16	5♊11	1♊ 2	10♓14	18♓ 2	12♑28	19°R 8	16♒54	16♒52	15♈18	19♐32	M 1
T 2	9 12 53	19°43'33	22°32	7° 8	25°28	5°31	1° 4	10°21	18° 5	12°30	19♊ 8	16°55	16°49	15°25	19°37	T 2
W 3	9 16 50	20°43'59	5♑51	8°27	26°41	5°51	1° 7	10°29	18° 8	12°32	19° 7	16°55	16°45	15°32	19°41	W 3
T 4	9 20 46	21°44'24	18°55	9°41	27°53	6°11	1°10	10°36	18°11	12°34	19° 7	16°55	16°42	15°38	19°45	T 4
F 5	9 24 43	22°44'48	1♒47	10°49	29° 5	6°32	1°14	10°43	18°14	12°36	19° 7	16°56	16°39	15°45	19°50	F 5
S 6	9 28 39	23°45'09	14°25	11°49	0♈17	6°53	1°17	10°50	18°18	12°37	19° 6	16°R56	16°36	15°52	19°54	S 6
S 7	9 32 36	24°45'29	26°52	12°42	1°29	7°15	1°21	10°57	18°21	12°39	19° 6	16°56	16°33	15°58	19°58	S 7
M 8	9 36 32	25°45'48	9♓ 8	13°26	2°41	7°36	1°24	11° 5	18°24	12°41	19° 5	16°55	16°29	16° 5	20° 2	M 8
T 9	9 40 29	26°46'04	21°14	14° 2	3°53	7°59	1°29	11°12	18°27	12°43	19° 5	16°54	16°26	16°12	20° 6	T 9
W10	9 44 25	27°46'18	3♈12	14°29	5° 5	8°21	1°33	11°19	18°31	12°45	19° 5	16°53	16°23	16°19	20°10	W10
T 11	9 48 22	28°46'31	15° 5	14°46	6°17	8°44	1°37	11°27	18°34	12°46	19° 4	16°51	16°20	16°25	20°13	T 11
F 12	9 52 19	29°46'41	26°56	14°R54	7°28	9° 7	1°42	11°34	18°37	12°48	19° 4	16°49	16°17	16°32	20°17	F 12
S 13	9 56 15	0♓46'49	8♉48	14°52	8°40	9°30	1°46	11°41	18°40	12°50	19° 4	16°48	16°14	16°39	20°21	S 13
S 14	10 0 12	1°46'55	20°45	14°41	9°51	9°54	1°51	11°49	18°44	12°51	19° 3	16°47	16°10	16°45	20°24	S 14
M15	10 4 8	2°46'59	2♊53	14°21	11° 3	10°17	1°56	11°56	18°47	12°53	19° 3	16°D46	16° 7	16°52	20°28	M15
T 16	10 8 5	3°47'01	15°14	13°53	12°14	10°42	2° 2	12° 4	18°50	12°55	19° 3	16°47	16° 4	16°59	20°31	T 16
W17	10 12 1	4°47'01	27°54	13°17	13°25	11° 6	2° 7	12°11	18°54	12°56	19° 3	16°48	16° 1	17° 6	20°34	W17
T 18	10 15 58	5°46'59	10♋57	12°34	14°36	11°31	2°13	12°18	18°57	12°58	19° 3	16°49	15°58	17°12	20°37	T 18
F 19	10 19 54	6°46'54	24°25	11°46	15°47	11°56	2°18	12°26	19° 0	12°59	19° 2	16°50	15°55	17°19	20°41	F 19
S 20	10 23 51	7°46'47	8♌19	10°53	16°57	12°21	2°24	12°33	19° 4	13° 1	19° 2	16°51	15°51	17°26	20°44	S 20
S 21	10 27 48	8°46'38	22°39	9°57	18° 8	12°46	2°30	12°41	19° 7	13° 2	19° 2	16°R51	15°48	17°32	20°47	S 21
M22	10 31 44	9°46'27	7♍19	9° 0	19°19	13°12	2°37	12°48	19°11	13° 4	19° 2	16°50	15°45	17°39	20°49	M22
T 23	10 35 41	10°46'14	22°14	8° 1	20°29	13°38	2°43	12°56	19°14	13° 5	19° 2	16°48	15°42	17°46	20°52	T 23
W24	10 39 37	11°45'58	7♎16	7° 4	21°39	14° 4	2°50	13° 3	19°17	13° 7	19° 2	16°45	15°39	17°52	20°55	W24
T 25	10 43 34	12°45'41	22°14	6° 8	22°49	14°30	2°56	13°11	19°21	13° 8	19°D 2	16°41	15°35	17°59	20°58	T 25
F 26	10 47 30	13°45'22	7♏ 2	5°15	23°59	14°56	3° 3	13°18	19°24	13° 9	19° 2	16°38	15°32	18° 6	21° 0	F 26
S 27	10 51 27	14°45'02	21°32	4°27	25° 9	15°23	3°10	13°26	19°28	13°11	19° 2	16°35	15°29	18°13	21° 2	S 27
S 28	10 55 23	15♓44'40	5♐41	3♓42	26♈19	15♊50	3♊17	13♓33	19♓31	13♑12	19♊ 2	16♒33	15♒26	18♈19	21♐ 5	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	15s17	26s44	4s54	9s17	0n12	2s58	0s45	23n40	2n27	19n58	0s30	9s32	1s54	5s25	0s44	22s19	0n39	17n20	5s47	15s50	15s51	10n 6	18s46	4n23	M 1
T 2	14 58	27 38	4 18	8 32	0 26	2 27	0 42	23 43	2 27	19 59	0 29	9 29	1 54	5 24	0 44	22 18	0 39	17 20	5 47	15 50	15 52	10 9	18 46	4 24	T 2
W 3	14 39	26 54	3 29	7 49	0 40	1 55	0 39	23 47	2 26	20 0	0 29	9 26	1 54	5 23	0 44	22 18	0 39	17 20	5 47	15 50	15 53	10 12	18 46	4 24	W 3
T 4	14 19	24 40	2 29	7 8	0 54	1 24	0 36	23 50	2 25	20 1	0 29	9 23	1 54	5 22	0 44	22 18	0 39	17 20	5 47	15 50	15 54	10 15	18 45	4 24	T 4
F 5	14 0	21 12	1 23	6 28	1 9	0 52	0 33	23 53	2 25	20 2	0 29	9 21	1 54	5 20	0 44	22 18	0 39	17 21	5 46	15 50	15 55	10 18	18 45	4 25	F 5
S 6	13 40	16 48	0 14	5 51	1 25	0 20	0 30	23 56	2 24	20 3	0 29	9 18	1 54	5 19	0 44	22 18	0 39	17 21	5 46	15 50	15 56	10 21	18 45	4 25	S 6
S 7	13 20	11 45	0n55	5 17	1 40	0n12	0 26	23 59	2 24	20 4	0 28	9 15	1 54	5 18	0 44	22 18	0 39	17 21	5 46	15 50	15 57	10 24	18 45	4 26	S 7
M 8	12 59	6 20	2 0	4 46	1 55	0 43	0 23	24 2	2 23	20 5	0 28	9 12	1 54	5 17	0 44	22 17	0 39	17 21	5 46	15 50	15 58	10 27	18 45	4 26	M 8
T 9	12 39	0 45	2 59	4 19	2 10	1 15	0 20	24 5	2 23	20 6	0 28	9 9	1 54	5 15	0 44	22 17	0 39	17 21	5 46	15 50	15 59	10 30	18 44	4 27	T 9
W10	12 18	4n47	3 49	3 55	2 24	1 47	0 17	24 8	2 22	20 7	0 28	9 7	1 54	5 14	0 44	22 17	0 39	17 21	5 46	15 51	16 0	10 33	18 44	4 27	W10
T 11	11 57	10 6	4 29	3 36	2 38	2 18	0 13	24 11	2 21	20 8	0 28	9 4	1 54	5 13	0 44	22 17	0 39	17 21	5 45	15 51	16 1	10 36	18 44	4 28	T 11
F 12	11 36	15 2	4 57	3 21	2 51	2 50	0 10	24 14	2 21	20 9	0 27	9 1	1 54	5 11	0 44	22 17	0 39	17 22	5 45	15 52	16 2	10 39	18 44	4 29	F 12
S 13	11 15	19 26	5 13	3 11	3 3	3 21	0 6	24 17	2 20	20 10	0 27	8 58	1 54	5 10	0 44	22 16	0 39	17 22	5 45	15 52	16 3	10 42	18 43	4 29	S 13
S 14	10 53	23 5	5 15	3 5	3 13	3 53	0 3	24 20	2 20	20 11	0 27	8 55	1 54	5 9	0 44	22 16	0 39	17 22	5 45	15 53	16 4	10 45	18 43	4 30	S 14
M15	10 32	25 47	5 4	3 4	3 23	4 24	0n 1	24 23	2 19	20 12	0 27	8 52	1 54	5 7	0 44	22 16	0 39	17 22	5 45	15 53	16 5	10 48	18 43	4 30	M15
T 16	10 10	27 20	4 38	3 8	3 31	4 55	0 4	24 26	2 19	20 14	0 27	8 50	1 54	5 6	0 44	22 16	0 39	17 22	5 45	15 53	16 6	10 51	18 43	4 31	T 16
W17	9 48	27 30	3 58	3 16	3 37	5 27	0 8	24 29	2 18	20 15	0 26	8 47	1 54	5 5	0 44	22 16	0 39	17 22	5 44	15 52	16 7	10 54	18 42	4 31	W17
T 18	9 26	26 10	3 5	3 28	3 41	5 58	0 12	24 32	2 17	20 16	0 26	8 44	1 54	5 3	0 43	22 16	0 39	17 23	5 44	15 52	16 7	10 57	18 42	4 32	T 18
F 19	9 4	23 19	2 1	3 45	3 43	6 28	0 15	24 35	2 17	20 18	0 26	8 41	1 54	5 2	0 43	22 16	0 39	17 23	5 44	15 52	16 8	11 0	18 42	4 32	F 19
S 20	8 41	19 1	0 47	4 5	3 43	6 59	0 19	24 38	2 16	20 19	0 26	8 38	1 54	5 1	0 43	22 15	0 39	17 23	5 44	15 51	16 9	11 3	18 41	4 33	S 20
S 21	8 19	13 32	0s32	4 28	3 41	7 30	0 23	24 40	2 16	20 20	0 26	8 35	1 54	4 59	0 43	22 15	0 39	17 23	5 44	15 51	16 10	11 6	18 41	4 33	S 21
M22	7 56	7 9	1 50	4 53	3 37	8 0	0 27	24 43	2 15	20 22	0 25	8 33	1 54	4 58	0 43	22 15	0 39	17 23	5 43	15 52	16 11	11 9	18 41	4 34	M22
T 23	7 34	0 18	3 2	5 20	3 31	8 31	0 31	24 46	2 14	20 23	0 25	8 30	1 54	4 57	0 43	22 15	0 39	17 23	5 43	15 52	16 12	11 12	18 40	4 34	T 23
W24	7 11	6s36	4 2	5 49	3 23	9 1	0 34	24 48	2 14	20 25	0 25	8 27	1 54	4 55	0 43	22 15	0 39	17 24	5 43	15 53	16 13	11 15	18 40	4 35	W24
T 25	6 48	13 6	4 46	6 18	3 14	9 30	0 38	24 51	2 13	20 26	0 25	8 24	1 54	4 54	0 43	22 15	0 39	17 24	5 43	15 54	16 14	11 18	18 39	4 36	T 25
F 26	6 25	18 47	5 9	6 47	3 3	10 0	0 42	24 53	2 13	20 28	0 25	8 21	1 55	4 53	0 43	22 15	0 39	17 24	5 43	15 55	16 15	11 21	18 39	4 36	F 26
S 27	6 2	23 15	5 12	7 16	2 51	10 30	0 46	24 56	2 12	20 29	0 24	8 18	1 55	4 51	0 43	22 14	0 39	17 24	5 43	15 56	16 16	11 24	18 39	4 37	S 27
S 28	5s39	26s13	4s56	7s44	2n38	10n59	0n50	24n58	2n12	20n31	0s24	8s15	1s55	4s50	0s43	22s14	0n39	17n24	5s42	15s57	16s17	11n27	18s38	4n37	S 28

Julian Day Number = 2148796.5, Delta T = 14m26s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°10'58, Lahiri = 12°17'59 Julian Calendar 1 Feb. 1171 == Greg. Calendar 8 Feb. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

MARCH 1171 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 59 20	16♓44'16	19♐28	3°R 3	27♈29	16♊17	3♊25	13♓41	19♓34	13♉13	19♊ 2	16°D33	15♒23	18♈26	21♐ 7	M 1
T 2	11 3 17	17°43'50	2♉52	2♓30	28°38	16°44	3°32	13°48	19°38	13°14	19° 2	16♒34	15°20	18°33	21° 9	T 2
W 3	11 7 13	18°43'22	15°56	2° 2	29°48	17°12	3°40	13°55	19°41	13°16	19° 2	16°35	15°16	18°39	21°11	W 3
T 4	11 11 10	19°42'53	28°43	1°41	0♉57	17°40	3°47	14° 3	19°45	13°17	19° 3	16°37	15°13	18°46	21°13	T 4
F 5	11 15 6	20°42'22	11♒15	1°26	2° 6	18° 7	3°55	14°10	19°48	13°18	19° 3	16°R38	15°10	18°53	21°15	F 5
S 6	11 19 3	21°41'49	23°36	1°16	3°15	18°36	4° 3	14°18	19°52	13°19	19° 3	16°38	15° 7	19° 0	21°17	S 6
S 7	11 22 59	22°41'13	5♓47	1°D13	4°24	19° 4	4°11	14°25	19°55	13°20	19° 3	16°36	15° 4	19° 6	21°19	S 7
M 8	11 26 56	23°40'36	17°51	1°15	5°32	19°32	4°20	14°33	19°59	13°21	19° 3	16°33	15° 1	19°13	21°20	M 8
T 9	11 30 52	24°39'57	29°49	1°23	6°41	20° 1	4°28	14°40	20° 2	13°22	19° 4	16°27	14°57	19°20	21°22	T 9
W10	11 34 49	25°39'15	11♈43	1°36	7°49	20°29	4°36	14°47	20° 5	13°23	19° 4	16°20	14°54	19°26	21°23	W10
T 11	11 38 45	26°38'32	23°35	1°55	8°57	20°58	4°45	14°55	20° 9	13°24	19° 4	16°12	14°51	19°33	21°25	T 11
F 12	11 42 42	27°37'46	5♉26	2°18	10° 5	21°27	4°54	15° 2	20°12	13°25	19° 5	16° 5	14°48	19°40	21°26	F 12
S 13	11 46 39	28°36'58	17°19	2°46	11°13	21°56	5° 3	15°10	20°16	13°26	19° 5	15°57	14°45	19°47	21°27	S 13
S 14	11 50 35	29°36'08	29°17	3°18	12°20	22°26	5°12	15°17	20°19	13°27	19° 5	15°52	14°41	19°53	21°28	S 14
M15	11 54 32	0♈35'16	11♊23	3°55	13°28	22°55	5°21	15°24	20°22	13°28	19° 6	15°48	14°38	20° 0	21°29	M15
T 16	11 58 28	1°34'21	23°41	4°35	14°35	23°25	5°30	15°31	20°26	13°29	19° 6	15°46	14°35	20° 7	21°30	T 16
W17	12 2 25	2°33'24	6♋16	5°19	15°42	23°55	5°40	15°39	20°29	13°29	19° 7	15°D45	14°32	20°13	21°31	W17
T 18	12 6 21	3°32'24	19°12	6° 7	16°49	24°25	5°49	15°46	20°33	13°30	19° 7	15°46	14°29	20°20	21°32	T 18
F 19	12 10 18	4°31'23	2♌33	6°57	17°56	24°55	5°59	15°53	20°36	13°31	19° 8	15°47	14°26	20°27	21°32	F 19
S 20	12 14 14	5°30'18	16°21	7°52	19° 2	25°25	6° 8	16° 0	20°39	13°32	19° 8	15°R48	14°22	20°33	21°33	S 20
S 21	12 18 11	6°29'12	0♍38	8°49	20° 8	25°55	6°18	16° 8	20°43	13°32	19° 9	15°47	14°19	20°40	21°33	S 21
M22	12 22 8	7°28'03	15°22	9°49	21°14	26°25	6°28	16°15	20°46	13°33	19° 9	15°44	14°16	20°47	21°33	M22
T 23	12 26 4	8°26'52	0♎26	10°51	22°20	26°56	6°38	16°22	20°49	13°33	19°10	15°39	14°13	20°54	21°34	T 23
W24	12 30 1	9°25'39	15°42	11°56	23°26	27°27	6°48	16°29	20°53	13°34	19°10	15°32	14°10	21° 0	21°34	W24
T 25	12 33 57	10°24'24	0♏59	13° 4	24°31	27°57	6°58	16°36	20°56	13°34	19°11	15°23	14° 6	21° 7	21°R34	T 25
F 26	12 37 54	11°23'07	16° 6	14°14	25°36	28°28	7° 9	16°43	20°59	13°35	19°12	15°15	14° 3	21°14	21°34	F 26
S 27	12 41 50	12°21'48	0♐55	15°27	26°41	28°59	7°19	16°50	21° 2	13°35	19°12	15° 8	14° 0	21°20	21°34	S 27
S 28	12 45 47	13°20'28	15°18	16°41	27°45	29°30	7°30	16°57	21° 6	13°36	19°13	15° 3	13°57	21°27	21°33	S 28
M29	12 49 43	14°19'06	29°13	17°58	28°50	0♋ 1	7°40	17° 4	21° 9	13°36	19°14	15° 0	13°54	21°34	21°33	M29
T 30	12 53 40	15°17'42	12♉39	19°17	29°54	0°33	7°51	17°11	21°12	13°37	19°14	14°D58	13°51	21°41	21°33	T 30
W31	12 57 37	16♈16'17	25♉41	20♓38	0♊57	1♋ 4	8♊ 2	17♓18	21♓15	13♉37	19♊15	14♒59	13♒47	21♈47	21♐32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s16	27s30	4s23	8s11	2n24	11n28	0n54	25n 1	2n11	20n32	0s24	8s13	1s55	4s49	0s43	22s14	0n39	17n25	5s42	15s57	16s18	11n30	18s38	4n38
T 2	4 52	27 8	3 37	8 36	2 10	11 56	0 58	25 3	2 10	20 34	0 24	8 10	1 55	4 47	0 43	22 14	0 39	17 25	5 42	15 57	16 19	11 33	18 37	4 38
W 3	4 29	25 14	2 40	9 0	1 55	12 25	1 2	25 5	2 10	20 36	0 24	8 7	1 55	4 46	0 43	22 14	0 39	17 25	5 42	15 56	16 20	11 36	18 37	4 39
T 4	4 5	22 5	1 36	9 22	1 40	12 53	1 6	25 7	2 9	20 37	0 23	8 4	1 55	4 45	0 43	22 14	0 39	17 25	5 42	15 56	16 21	11 39	18 36	4 40
F 5	3 42	17 57	0 29	9 41	1 25	13 21	1 10	25 9	2 9	20 39	0 23	8 1	1 55	4 43	0 43	22 14	0 39	17 25	5 41	15 55	16 22	11 41	18 36	4 40
S 6	3 18	13 7	0n38	9 59	1 10	13 48	1 14	25 11	2 8	20 41	0 23	7 58	1 55	4 42	0 43	22 13	0 39	17 26	5 41	15 55	16 23	11 44	18 36	4 41
S 7	2 55	7 51	1 42	10 14	0 55	14 16	1 18	25 13	2 8	20 42	0 23	7 56	1 55	4 41	0 43	22 13	0 39	17 26	5 41	15 56	16 24	11 47	18 35	4 41
M 8	2 31	2 21	2 42	10 27	0 41	14 42	1 22	25 15	2 7	20 44	0 23	7 53	1 55	4 39	0 43	22 13	0 39	17 26	5 41	15 57	16 24	11 50	18 35	4 42
T 9	2 8	3n11	3 33	10 37	0 27	15 9	1 26	25 16	2 6	20 46	0 23	7 50	1 55	4 38	0 43	22 13	0 39	17 26	5 41	15 59	16 25	11 53	18 34	4 42
W10	1 44	8 34	4 15	10 45	0 13	15 35	1 29	25 18	2 6	20 47	0 22	7 47	1 55	4 36	0 43	22 13	0 40	17 26	5 41	16 1	16 26	11 56	18 34	4 43
T 11	1 20	13 36	4 45	10 51	0s 1	16 1	1 33	25 19	2 5	20 49	0 22	7 44	1 55	4 35	0 43	22 13	0 40	17 27	5 40	16 3	16 27	11 59	18 33	4 44
F 12	0 57	18 9	5 3	10 55	0 14	16 27	1 37	25 21	2 5	20 51	0 22	7 42	1 55	4 34	0 43	22 13	0 40	17 27	5 40	16 5	16 28	12 2	18 33	4 44
S 13	0 33	22 0	5 9	10 57	0 26	16 52	1 41	25 22	2 4	20 53	0 22	7 39	1 55	4 32	0 43	22 13	0 40	17 27	5 40	16 8	16 29	12 5	18 32	4 45
S 14	0 10	24 58	5 0	10 56	0 38	17 17	1 45	25 23	2 4	20 54	0 22	7 36	1 56	4 31	0 43	22 13	0 40	17 27	5 40	16 9	16 30	12 8	18 32	4 45
M15	0n14	26 51	4 39	10 53	0 50	17 41	1 49	25 24	2 3	20 56	0 22	7 33	1 56	4 30	0 43	22 12	0 40	17 27	5 40	16 10	16 31	12 11	18 31	4 46
T 16	0 38	27 27	4 4	10 49	1 0	18 5	1 53	25 25	2 2	20 58	0 21	7 30	1 56	4 28	0 43	22 12	0 40	17 28	5 39	16 11	16 32	12 14	18 31	4 46
W17	1 1	26 41	3 17	10 42	1 11	18 28	1 57	25 26	2 2	21 0	0 21	7 28	1 56	4 27	0 43	22 12	0 40	17 28	5 39	16 11	16 33	12 17	18 30	4 47
T 18	1 25	24 27	2 18	10 33	1 20	18 51	2 0	25 27	2 1	21 2	0 21	7 25	1 56	4 26	0 43	22 12	0 40	17 28	5 39	16 11	16 34	12 19	18 29	4 48
F 19	1 48	20 50	1 11	10 23	1 30	19 14	2 4	25 28	2 1	21 4	0 21	7 22	1 56	4 24	0 43	22 12	0 40	17 28	5 39	16 11	16 35	12 22	18 29	4 48
S 20	2 12	15 57	0s 3	10 11	1 38	19 36	2 8	25 28	2 0	21 5	0 21	7 19	1 56	4 23	0 43	22 12	0 40	17 28	5 39	16 10	16 36	12 25	18 28	4 49
S 21	2 35	10 4	1 19	9 56	1 46	19 58	2 11	25 29	2 0	21 7	0 21	7 17	1 56	4 22	0 43	22 12	0 40	17 29	5 39	16 11	16 37	12 28	18 28	4 49
M22	2 59	3 28	2 32	9 41	1 53	20 19	2 15	25 29	1 59	21 9	0 20	7 14	1 56	4 20	0 43	22 12	0 40	17 29	5 38	16 12	16 37	12 31	18 27	4 50
T 23	3 22	3s28	3 36	9 23	2 0	20 40	2 19	25 29	1 58	21 11	0 20	7 11	1 56	4 19	0 43	22 12	0 40	17 29	5 38	16 13	16 38	12 34	18 27	4 51
W24	3 45	10 17	4 25	9 4	2 7	21 0	2 22	25 29	1 58	21 13	0 20	7 9	1 56	4 18	0 43	22 12	0 40	17 29	5 38	16 15	16 39	12 37	18 26	4 51
T 25	4 8	16 29	4 56	8 43	2 12	21 20	2 26	25 29	1 57	21 15	0 20	7 6	1 57	4 17	0 43	22 12	0 40	17 30	5 38	16 18	16 40	12 40	18 26	4 52
F 26	4 31	21 36	5 5	8 20	2 17	21 39	2 29	25 29	1 57	21 17	0 20	7 3	1 57	4 15	0 43	22 12	0 40	17 30	5 38	16 20	16 41	12 43	18 25	4 52
S 27	4 54	25 13	4 54	7 56	2 22	21 58	2 32	25 29	1 56	21 18	0 20	7 1	1 57	4 14	0 44	22 12	0 40	17 30	5 38	16 22	16 42	12 45	18 24	4 53
S 28	5 17	27 6	4 24	7 31	2 26	22 17	2 36	25 29	1 56	21 20	0 20	6 58	1 57	4 13	0 44	22 12	0 40	17 30	5 37	16 24	16 43	12 48	18 24	4 53
M29	5 40	27 12	3 39	7 4	2 29	22 34	2 39	25 28	1 55	21 22	0 19	6 56	1 57	4 11	0 44	22 11	0 40	17 30	5 37	16 25	16 44	12 51	18 23	4 54
T 30	6 3	25 40	2 44	6 36	2 32	22 52	2 42	25 27	1 55	21 24	0 19	6 53	1 57	4 10	0 44	22 11	0 40	17 31	5 37	16 25	16 45	12 54	18 23	4 55
W31	6n26	22s46	1s41	6s 6	2s35	23n 8	2n45	25n27	1n54	21n26	0s19	6s50	1s57	4s 9	0s44	22s11	0n40	17n31	5s37	16s25	16s46	12n57	18s22	4n55

Julian Day Number = 2148824.5, Delta T = 14m26s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'02, Lahiri = 12°18'03 Julian Calendar 1 March 1171 == Greg. Calendar 8 March 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

APRIL 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 1 33	17♈14'50	8♒21	22♓ 1	2♊ 1	1♋36	8♊13	17♓25	21♓18	13♑37	19♊16	14♒59	13♒44	21♈54	21°R32	T 1
F 2	13 5 30	18°13'21	20°44	23°26	3° 4	2° 7	8°24	17°31	21°22	13°37	19°17	14°R59	13°41	22° 1	21♐31	F 2
S 3	13 9 26	19°11'50	2♓54	24°53	4° 7	2°39	8°35	17°38	21°25	13°38	19°17	14°58	13°38	22° 7	21°30	S 3
S 4	13 13 23	20°10'18	14°55	26°21	5°10	3°11	8°46	17°45	21°28	13°38	19°18	14°54	13°35	22°14	21°29	S 4
M 5	13 17 19	21° 8'44	26°51	27°52	6°12	3°43	8°57	17°52	21°31	13°38	19°19	14°47	13°32	22°21	21°28	M 5
T 6	13 21 16	22° 7'08	8♈43	29°24	7°14	4°15	9° 9	17°58	21°34	13°38	19°20	14°38	13°28	22°28	21°27	T 6
W 7	13 25 12	23° 5'30	20°34	0♈58	8°16	4°47	9°20	18° 5	21°37	13°38	19°21	14°26	13°25	22°34	21°26	W 7
T 8	13 29 9	24° 3'51	2♉26	2°34	9°17	5°19	9°31	18°11	21°40	13°38	19°22	14°13	13°22	22°41	21°25	T 8
F 9	13 33 6	25° 2'09	14°19	4°12	10°18	5°51	9°43	18°18	21°43	13°R38	19°23	14° 0	13°19	22°48	21°24	F 9
S 10	13 37 2	26° 0'26	26°16	5°51	11°18	6°24	9°55	18°24	21°46	13°38	19°24	13°48	13°16	22°54	21°22	S 10
S 11	13 40 59	26°58'41	8♊18	7°33	12°19	6°56	10° 6	18°31	21°49	13°38	19°24	13°37	13°12	23° 1	21°21	S 11
M12	13 44 55	27°56'54	20°28	9°16	13°19	7°29	10°18	18°37	21°52	13°38	19°25	13°29	13° 9	23° 8	21°19	M12
T 13	13 48 52	28°55'05	2♋48	11° 1	14°18	8° 1	10°30	18°44	21°55	13°38	19°26	13°24	13° 6	23°15	21°18	T 13
W14	13 52 48	29°53'14	15°23	12°47	15°17	8°34	10°42	18°50	21°58	13°38	19°27	13°22	13° 3	23°21	21°16	W14
T 15	13 56 45	0♌51'21	28°15	14°36	16°16	9° 7	10°54	18°56	22° 1	13°38	19°28	13°D21	13° 0	23°28	21°14	T 15
F 16	14 0 41	1°49'26	11♌29	16°26	17°14	9°40	11° 6	19° 2	22° 3	13°38	19°29	13°R21	12°57	23°35	21°12	F 16
S 17	14 4 38	2°47'29	25° 9	18°18	18°12	10°13	11°18	19° 8	22° 6	13°37	19°30	13°21	12°53	23°41	21°10	S 17
S 18	14 8 35	3°45'30	9♍15	20°12	19° 9	10°46	11°30	19°14	22° 9	13°37	19°32	13°19	12°50	23°48	21° 8	S 18
M19	14 12 31	4°43'28	23°49	22° 8	20° 6	11°19	11°42	19°20	22°12	13°37	19°33	13°15	12°47	23°55	21° 6	M19
T 20	14 16 28	5°41'26	8♎46	24° 5	21° 2	11°52	11°55	19°26	22°14	13°36	19°34	13° 8	12°44	24° 2	21° 4	T 20
W21	14 20 24	6°39'21	23°59	26° 5	21°58	12°25	12° 7	19°32	22°17	13°36	19°35	12°58	12°41	24° 8	21° 2	W21
T 22	14 24 21	7°37'15	9♏18	28° 6	22°53	12°58	12°19	19°38	22°20	13°36	19°36	12°48	12°38	24°15	20°59	T 22
F 23	14 28 17	8°35'07	24°31	0♐ 8	23°47	13°32	12°32	19°44	22°22	13°35	19°37	12°37	12°34	24°22	20°57	F 23
S 24	14 32 14	9°32'58	9♐28	2°13	24°42	14° 5	12°44	19°50	22°25	13°35	19°38	12°27	12°31	24°28	20°55	S 24
S 25	14 36 10	10°30'47	24° 1	4°18	25°35	14°39	12°57	19°55	22°28	13°34	19°39	12°20	12°28	24°35	20°52	S 25
M26	14 40 7	11°28'35	8♑ 5	6°25	26°28	15°12	13° 9	20° 1	22°30	13°34	19°41	12°15	12°25	24°42	20°49	M26
T 27	14 44 4	12°26'22	21°39	8°34	27°20	15°46	13°22	20° 6	22°33	13°33	19°42	12°12	12°22	24°49	20°47	T 27
W28	14 48 0	13°24'08	4♒45	10°43	28°12	16°20	13°35	20°12	22°35	13°33	19°43	12°11	12°18	24°55	20°44	W28
T 29	14 51 57	14°21'53	17°26	12°53	29° 3	16°53	13°48	20°17	22°38	13°32	19°44	12°11	12°15	25° 2	20°41	T 29
F 30	14 55 53	15♌19'36	29♒48	15♌ 4	29♊53	17♋27	14♊ 0	20♓23	22♓40	13♑31	19♊45	12♒11	12♒12	25♈ 9	20♐38	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n48	18s50	0s35	5s34	2s36	23n24	2n48	25n26	1n54	21n28	0s19	6s48	1s57	4s 8	0s44	22s11	0n40	17n31	5s37	16s25	16s47	13n 0	18s21	4n56
F 2	7 11	14 10	0n31	5 2	2 38	23 40	2 51	25 25	1 53	21 30	0 19	6 45	1 58	4 6	0 44	22 11	0 40	17 31	5 37	16 25	16 48	13 3	18 21	4 56
S 3	7 33	9 1	1 34	4 28	2 38	23 55	2 54	25 24	1 52	21 32	0 19	6 43	1 58	4 5	0 44	22 11	0 40	17 32	5 36	16 25	16 49	13 5	18 20	4 57
S 4	7 55	3 38	2 32	3 53	2 38	24 10	2 57	25 22	1 52	21 34	0 19	6 40	1 58	4 4	0 44	22 11	0 40	17 32	5 36	16 26	16 49	13 8	18 20	4 57
M 5	8 17	1n51	3 23	3 16	2 38	24 23	3 0	25 21	1 51	21 35	0 18	6 38	1 58	4 3	0 44	22 11	0 40	17 32	5 36	16 28	16 50	13 11	18 19	4 58
T 6	8 39	7 13	4 5	2 38	2 37	24 37	3 2	25 20	1 51	21 37	0 18	6 35	1 58	4 2	0 44	22 11	0 40	17 32	5 36	16 31	16 51	13 14	18 18	4 59
W 7	9 1	12 19	4 36	1 59	2 36	24 50	3 5	25 18	1 50	21 39	0 18	6 33	1 58	4 0	0 44	22 11	0 40	17 32	5 36	16 35	16 52	13 17	18 18	4 59
T 8	9 23	16 59	4 55	1 19	2 34	25 2	3 7	25 16	1 50	21 41	0 18	6 30	1 58	3 59	0 44	22 11	0 40	17 33	5 36	16 38	16 53	13 20	18 17	5 0
F 9	9 44	20 59	5 1	0 38	2 31	25 13	3 10	25 14	1 49	21 43	0 18	6 28	1 59	3 58	0 44	22 11	0 40	17 33	5 35	16 42	16 54	13 22	18 16	5 0
S 10	10 5	24 10	4 54	0n 4	2 28	25 24	3 12	25 12	1 49	21 45	0 18	6 26	1 59	3 57	0 44	22 11	0 40	17 33	5 35	16 46	16 55	13 25	18 16	5 1
S 11	10 27	26 18	4 34	0 48	2 24	25 35	3 14	25 10	1 48	21 47	0 18	6 23	1 59	3 56	0 44	22 11	0 40	17 33	5 35	16 49	16 56	13 28	18 15	5 1
M12	10 48	27 13	4 1	1 32	2 20	25 45	3 16	25 8	1 48	21 48	0 17	6 21	1 59	3 55	0 44	22 11	0 40	17 34	5 35	16 51	16 57	13 31	18 15	5 2
T 13	11 8	26 48	3 17	2 18	2 15	25 54	3 18	25 5	1 47	21 50	0 17	6 18	1 59	3 53	0 44	22 11	0 40	17 34	5 35	16 52	16 58	13 34	18 14	5 2
W14	11 29	25 1	2 22	3 5	2 10	26 3	3 20	25 2	1 46	21 52	0 17	6 16	1 59	3 52	0 44	22 11	0 40	17 34	5 35	16 53	16 59	13 36	18 13	5 3
T 15	11 49	21 54	1 19	3 52	2 4	26 11	3 22	25 0	1 46	21 54	0 17	6 14	2 0	3 51	0 44	22 11	0 40	17 34	5 35	16 53	16 59	13 39	18 13	5 3
F 16	12 10	17 34	0 10	4 40	1 58	26 18	3 23	24 57	1 45	21 56	0 17	6 12	2 0	3 50	0 44	22 11	0 40	17 34	5 34	16 53	17 0	13 42	18 12	5 4
S 17	12 30	12 14	1s 2	5 29	1 51	26 25	3 25	24 54	1 45	21 58	0 17	6 9	2 0	3 49	0 44	22 11	0 40	17 35	5 34	16 53	17 1	13 45	18 11	5 5
S 18	12 50	6 5	2 12	6 19	1 44	26 32	3 26	24 51	1 44	21 59	0 17	6 7	2 0	3 48	0 44	22 11	0 40	17 35	5 34	16 54	17 2	13 48	18 11	5 5
M19	13 9	0s32	3 16	7 10	1 37	26 37	3 27	24 47	1 44	22 1	0 17	6 5	2 0	3 47	0 44	22 11	0 40	17 35	5 34	16 55	17 3	13 50	18 10	5 6
T 20	13 29	7 18	4 9	8 1	1 29	26 43	3 28	24 44	1 43	22 3	0 16	6 3	2 0	3 46	0 44	22 11	0 40	17 35	5 34	16 57	17 4	13 53	18 9	5 6
W21	13 48	13 44	4 44	8 52	1 20	26 47	3 29	24 40	1 43	22 5	0 16	6 0	2 1	3 45	0 44	22 11	0 40	17 36	5 34	17 0	17 5	13 56	18 9	5 7
T 22	14 7	19 23	5 0	9 44	1 11	26 51	3 30	24 37	1 42	22 6	0 16	5 58	2 1	3 44	0 44	22 11	0 40	17 36	5 34	17 3	17 6	13 59	18 8	5 7
F 23	14 26	23 44	4 54	10 37	1 2	26 55	3 31	24 33	1 42	22 8	0 16	5 56	2 1	3 43	0 44	22 11	0 40	17 36	5 33	17 6	17 7	14 1	18 7	5 7
S 24	14 44	26 23	4 28	11 29	0 52	26 58	3 31	24 29	1 41	22 10	0 16	5 54	2 1	3 42	0 44	22 11	0 40	17 36	5 33	17 9	17 8	14 4	18 7	5 8
S 25	15 3	27 10	3 45	12 21	0 42	27 0	3 32	24 24	1 41	22 12	0 16	5 52	2 1	3 41	0 44	22 11	0 40	17 36	5 33	17 11	17 8	14 7	18 6	5 8
M26	15 21	26 7	2 50	13 13	0 32	27 2	3 32	24 20	1 40	22 13	0 16	5 50	2 2	3 40	0 44	22 11	0 40	17 37	5 33	17 12	17 9	14 10	18 6	5 9
T 27	15 38	23 33	1 46	14 5	0 22	27 3	3 32	24 16	1 40	22 15	0 16	5 48	2 2	3 39	0 44	22 11	0 40	17 37	5 33	17 13	17 10	14 13	18 5	5 9
W28	15 56	19 48	0 39	14 56	0 11	27 4	3 32	24 11	1 39	22 17	0 15	5 46	2 2	3 38	0 44	22 12	0 40	17 37	5 33	17 13	17 11	14 15	18 4	5 10
T 29	16 13	15 14	0n28	15 46	0 1	27 4	3 31	24 6	1 39	22 18	0 15	5 44	2 2	3 37	0 44	22 12	0 40	17 37	5 33	17 13	17 12	14 18	18 4	5 10
F 30	16n30	10s10	1n32	16n35	0n10	27n 4	3n31	24n 1	1n38	22n20	0s15	5s42	2s 2	3s36	0s44	22s12	0n40	17n37	5s33	17s13	17s13	14n21	18s 3	5n11

Julian Day Number = 2148855.5, Delta T = 14m26s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'06, Lahiri = 12°18'07 Julian Calendar 1 Apr. 1171 == Greg. Calendar 8 Apr. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

MAY 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 59 50	16♉17'18	11♓56	17♉16	0♋42	18♋ 1	14♊13	20♓28	22♓42	13°R31	19♊47	12°R 9	12♒ 9	25♈16	20°R35	S 1
S 2	15 3 46	17°14'59	23°53	19°27	1°31	18°35	14°26	20°33	22°45	13♐30	19°48	12♒ 4	12° 6	25°22	20♐32	S 2
M 3	15 7 43	18°12'39	5♈45	21°38	2°19	19° 9	14°39	20°38	22°47	13°29	19°49	11°57	12° 3	25°29	20°29	M 3
T 4	15 11 39	19°10'18	17°35	23°49	3° 6	19°43	14°52	20°43	22°49	13°29	19°50	11°48	11°59	25°36	20°26	T 4
W 5	15 15 36	20° 7'56	29°26	25°59	3°53	20°17	15° 5	20°48	22°51	13°28	19°52	11°36	11°56	25°42	20°23	W 5
T 6	15 19 33	21° 5'32	11♉20	28° 9	4°38	20°52	15°18	20°53	22°54	13°27	19°53	11°22	11°53	25°49	20°20	T 6
F 7	15 23 29	22° 3'08	23°19	0♊17	5°23	21°26	15°31	20°58	22°56	13°26	19°54	11° 8	11°50	25°56	20°16	F 7
S 8	15 27 26	23° 0'42	5♊24	2°23	6° 7	22° 0	15°44	21° 3	22°58	13°25	19°56	10°56	11°47	26° 3	20°13	S 8
S 9	15 31 22	23°58'15	17°35	4°28	6°49	22°34	15°58	21° 8	23° 0	13°24	19°57	10°45	11°44	26° 9	20°10	S 9
M10	15 35 19	24°55'47	29°55	6°31	7°31	23° 9	16°11	21°12	23° 2	13°23	19°58	10°36	11°40	26°16	20° 6	M10
T 11	15 39 15	25°53'18	12♋25	8°32	8°12	23°43	16°24	21°17	23° 4	13°23	20° 0	10°31	11°37	26°23	20° 3	T 11
W12	15 43 12	26°50'47	25° 6	10°31	8°51	24°18	16°37	21°21	23° 6	13°22	20° 1	10°28	11°34	26°29	19°59	W12
T 13	15 47 8	27°48'15	8♌ 3	12°28	9°30	24°53	16°51	21°26	23° 8	13°21	20° 2	10°D27	11°31	26°36	19°56	T 13
F 14	15 51 5	28°45'42	21°17	14°22	10° 7	25°27	17° 4	21°30	23°10	13°20	20° 4	10°27	11°28	26°43	19°52	F 14
S 15	15 55 2	29°43'07	4♍52	16°13	10°43	26° 2	17°17	21°34	23°11	13°19	20° 5	10°R27	11°24	26°50	19°48	S 15
S 16	15 58 58	0♊40'31	18°50	18° 2	11°18	26°37	17°31	21°39	23°13	13°17	20° 6	10°26	11°21	26°56	19°45	S 16
M17	16 2 55	1°37'54	3♎10	19°49	11°51	27°12	17°44	21°43	23°15	13°16	20° 8	10°22	11°18	27° 3	19°41	M17
T 18	16 6 51	2°35'16	17°51	21°33	12°23	27°46	17°57	21°47	23°17	13°15	20° 9	10°17	11°15	27°10	19°37	T 18
W19	16 10 48	3°32'36	2♏47	23°14	12°54	28°21	18°11	21°51	23°18	13°14	20°11	10° 9	11°12	27°16	19°33	W19
T 20	16 14 44	4°29'56	17°51	24°52	13°23	28°56	18°24	21°54	23°20	13°13	20°12	10° 0	11° 9	27°23	19°30	T 20
F 21	16 18 41	5°27'15	2♐54	26°28	13°50	29°31	18°38	21°58	23°21	13°12	20°13	9°50	11° 5	27°30	19°26	F 21
S 22	16 22 37	6°24'33	17°44	28° 1	14°16	0♌ 6	18°51	22° 2	23°23	13°11	20°15	9°42	11° 2	27°37	19°22	S 22
S 23	16 26 34	7°21'50	2♑15	29°31	14°40	0°41	19° 5	22° 5	23°24	13° 9	20°16	9°35	10°59	27°43	19°18	S 23
M24	16 30 31	8°19'07	16°21	0♋58	15° 3	1°17	19°18	22° 9	23°26	13° 8	20°18	9°31	10°56	27°50	19°14	M24
T 25	16 34 27	9°16'23	29°58	2°23	15°24	1°52	19°32	22°12	23°27	13° 7	20°19	9°28	10°53	27°57	19°10	T 25
W26	16 38 24	10°13'39	13♒ 9	3°45	15°43	2°27	19°45	22°16	23°29	13° 6	20°20	9°D28	10°50	28° 3	19° 6	W26
T 27	16 42 20	11°10'54	25°54	5° 3	16° 0	3° 2	19°59	22°19	23°30	13° 4	20°22	9°29	10°46	28°10	19° 2	T 27
F 28	16 46 17	12° 8'09	8♓19	6°19	16°15	3°38	20°13	22°22	23°31	13° 3	20°23	9°R29	10°43	28°17	18°58	F 28
S 29	16 50 13	13° 5'23	20°28	7°32	16°28	4°13	20°26	22°25	23°32	13° 2	20°25	9°29	10°40	28°24	18°54	S 29
S 30	16 54 10	14° 2'38	2♈27	8°42	16°40	4°49	20°40	22°28	23°33	13° 0	20°26	9°27	10°37	28°30	18°50	S 30
M31	16 58 6	14♊59'52	14♈19	9♋49	16♋49	5♌24	20♊53	22♓31	23♓35	12♐59	20♊28	9♒23	10♒34	28♈37	18♐46	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n47	4s48	2n30	17n23	0n20	27n 3	3n30	23n56	1n38	22n22	0s15	5s40	2s 3	3s35	0s44	22s12	0n40	17n38	5s32	17s14	17s14	14n23	18s 2	5n11
S 2	17 4	0n38	3 21	18 10	0 31	27 1	3 29	23 51	1 37	22 23	0 15	5 38	2 3	3 34	0 44	22 12	0 40	17 38	5 32	17 15	17 15	14 26	18 2	5 12
M 3	17 20	6 0	4 3	18 55	0 41	27 0	3 28	23 46	1 36	22 25	0 15	5 37	2 3	3 33	0 44	22 12	0 40	17 38	5 32	17 17	17 16	14 29	18 1	5 12
T 4	17 36	11 9	4 34	19 38	0 51	26 57	3 27	23 40	1 36	22 27	0 15	5 35	2 3	3 32	0 44	22 12	0 40	17 38	5 32	17 20	17 16	14 32	18 0	5 12
W 5	17 51	15 53	4 53	20 19	1 0	26 54	3 25	23 35	1 35	22 28	0 15	5 33	2 3	3 32	0 44	22 12	0 40	17 39	5 32	17 23	17 17	14 34	18 0	5 13
T 6	18 7	20 3	5 0	20 58	1 9	26 51	3 23	23 29	1 35	22 30	0 14	5 31	2 4	3 31	0 44	22 12	0 40	17 39	5 32	17 27	17 18	14 37	17 59	5 13
F 7	18 22	23 25	4 53	21 34	1 18	26 48	3 21	23 23	1 34	22 31	0 14	5 29	2 4	3 30	0 44	22 12	0 40	17 39	5 32	17 31	17 19	14 40	17 59	5 14
S 8	18 37	25 47	4 33	22 8	1 26	26 43	3 19	23 17	1 34	22 33	0 14	5 28	2 4	3 29	0 44	22 12	0 40	17 39	5 32	17 34	17 20	14 43	17 58	5 14
S 9	18 51	26 58	4 1	22 40	1 34	26 39	3 17	23 11	1 33	22 34	0 14	5 26	2 4	3 28	0 44	22 12	0 40	17 39	5 32	17 37	17 21	14 45	17 57	5 14
M10	19 5	26 50	3 17	23 9	1 40	26 34	3 14	23 5	1 33	22 36	0 14	5 24	2 5	3 28	0 44	22 12	0 40	17 40	5 31	17 39	17 22	14 48	17 57	5 15
T 11	19 19	25 20	2 23	23 35	1 47	26 28	3 11	22 58	1 32	22 37	0 14	5 23	2 5	3 27	0 44	22 12	0 40	17 40	5 31	17 41	17 23	14 51	17 56	5 15
W12	19 32	22 32	1 20	23 58	1 52	26 23	3 8	22 52	1 32	22 39	0 14	5 21	2 5	3 26	0 45	22 13	0 40	17 40	5 31	17 42	17 24	14 53	17 56	5 15
T 13	19 46	18 33	0 13	24 19	1 57	26 16	3 4	22 45	1 31	22 40	0 14	5 20	2 5	3 25	0 45	22 13	0 40	17 40	5 31	17 42	17 24	14 56	17 55	5 16
F 14	19 58	13 34	0s57	24 38	2 1	26 10	3 1	22 38	1 31	22 41	0 14	5 18	2 5	3 25	0 45	22 13	0 40	17 40	5 31	17 42	17 25	14 59	17 54	5 16
S 15	20 11	7 49	2 6	24 53	2 4	26 3	2 57	22 31	1 30	22 43	0 13	5 17	2 6	3 24	0 45	22 13	0 40	17 41	5 31	17 42	17 26	15 1	17 54	5 16
S 16	20 23	1 33	3 9	25 7	2 7	25 56	2 52	22 24	1 30	22 44	0 13	5 15	2 6	3 23	0 45	22 13	0 40	17 41	5 31	17 42	17 27	15 4	17 53	5 17
M17	20 35	4s57	4 2	25 17	2 8	25 48	2 48	22 16	1 29	22 46	0 13	5 14	2 6	3 23	0 45	22 13	0 40	17 41	5 31	17 43	17 28	15 7	17 53	5 17
T 18	20 46	11 20	4 40	25 26	2 9	25 40	2 43	22 9	1 29	22 47	0 13	5 13	2 6	3 22	0 45	22 13	0 40	17 41	5 31	17 45	17 29	15 9	17 52	5 17
W19	20 57	17 11	5 0	25 32	2 10	25 32	2 38	22 1	1 28	22 48	0 13	5 11	2 7	3 21	0 45	22 13	0 40	17 41	5 31	17 47	17 30	15 12	17 51	5 18
T 20	21 8	22 1	5 0	25 36	2 9	25 24	2 32	21 54	1 28	22 50	0 13	5 10	2 7	3 21	0 45	22 13	0 40	17 41	5 30	17 49	17 31	15 15	17 51	5 18
F 21	21 19	25 23	4 39	25 38	2 8	25 15	2 26	21 46	1 27	22 51	0 13	5 9	2 7	3 20	0 45	22 13	0 40	17 42	5 30	17 52	17 31	15 17	17 50	5 18
S 22	21 29	26 57	3 59	25 38	2 6	25 6	2 20	21 38	1 27	22 52	0 13	5 7	2 7	3 20	0 45	22 14	0 40	17 42	5 30	17 54	17 32	15 20	17 50	5 18
S 23	21 38	26 36	3 5	25 36	2 3	24 57	2 14	21 30	1 26	22 53	0 13	5 6	2 8	3 19	0 45	22 14	0 40	17 42	5 30	17 56	17 33	15 23	17 49	5 19
M24	21 48	24 32	2 0	25 32	1 59	24 48	2 7	21 21	1 26	22 54	0 12	5 5	2 8	3 18	0 45	22 14	0 40	17 42	5 30	17 57	17 34	15 25	17 49	5 19
T 25	21 57	21 4	0 51	25 27	1 55	24 38	2 0	21 13	1 25	22 56	0 12	5 4	2 8	3 18	0 45	22 14	0 40	17 42	5 30	17 58	17 35	15 28	17 48	5 19
W26	22 5	16 38	0n20	25 20	1 50	24 28	1 52	21 5	1 25	22 57	0 12	5 3	2 8	3 17	0 45	22 14	0 40	17 43	5 30	17 58	17 36	15 31	17 48	5 19
T 27	22 13	11 35	1 27	25 12	1 45	24 19	1 44	20 56	1 24	22 58	0 12	5 2	2 9	3 17	0 45	22 14	0 40	17 43	5 30	17 58	17 37	15 33	17 47	5 20
F 28	22 21	6 12	2 28	25 2	1 38	24 8	1 36	20 47	1 24	22 59	0 12	5 1	2 9	3 16	0 45	22 14	0 40	17 43	5 30	17 57	17 38	15 36	17 46	5 20
S 29	22 28	0 43	3 21	24 51	1 31	23 58	1 27	20 38	1 23	23 0	0 12	5 0	2 9	3 16	0 45	22 14	0 40	17 43	5 30	17 58	17 38	15 38	17 46	5 20
S 30	22 35	4n43	4 5	24 39	1 23	23 48	1 18	20 29	1 23	23 1	0 12	4 59	2 9	3 16	0 45	22 15	0 40	17 43	5 30	17 58	17 39	15 41	17 45	5 20
M31	22n42	9n56	4n37	24n26	1n15	23n37	1n 9	20n20	1n22	23n 2	0s12	4s58	2s10	3s15	0s45	22s15	0n40	17n43	5s30	17s59	17s40	15n44	17s45	5n20

Julian Day Number = 2148885.5, Delta T = 14m25s
Ecliptic obliquity = 23°32'55, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'10, Lahiri = 12°18'11 Julian Calendar 1 May 1171 == Greg. Calendar 8 May 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

JUNE 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 3	15♊57'06	26♈10	10♋52	16♋56	6♌ 0	21♊ 7	22♓34	23♓36	12°R58	20♊29	9°R17	10♒30	28♈44	18°R42	T 1
W 2	17 6 0	16°54'19	8♉ 4	11°53	17° 0	6°35	21°21	22°37	23°37	12♑56	20°31	9♒ 9	10°27	28°51	18♐38	W 2
T 3	17 9 56	17°51'33	20° 2	12°50	17° 3	7°11	21°34	22°39	23°38	12°55	20°32	9° 0	10°24	28°57	18°34	T 3
F 4	17 13 53	18°48'46	2♊ 8	13°43	17°R 3	7°47	21°48	22°42	23°39	12°53	20°33	8°51	10°21	29° 4	18°30	F 4
S 5	17 17 49	19°45'59	14°22	14°33	17° 1	8°22	22° 2	22°44	23°39	12°52	20°35	8°42	10°18	29°11	18°26	S 5
S 6	17 21 46	20°43'12	26°46	15°20	16°56	8°58	22°15	22°46	23°40	12°50	20°36	8°35	10°15	29°17	18°22	S 6
M 7	17 25 42	21°40'24	9♋21	16° 2	16°49	9°34	22°29	22°49	23°41	12°49	20°38	8°29	10°11	29°24	18°18	M 7
T 8	17 29 39	22°37'36	22° 8	16°41	16°40	10°10	22°43	22°51	23°42	12°47	20°39	8°26	10° 8	29°31	18°14	T 8
W 9	17 33 35	23°34'48	5♌ 6	17°16	16°29	10°46	22°56	22°53	23°42	12°46	20°41	8°D24	10° 5	29°38	18°10	W 9
T 10	17 37 32	24°31'59	18°16	17°47	16°14	11°22	23°10	22°55	23°43	12°44	20°42	8°25	10° 2	29°44	18° 6	T 10
F 11	17 41 29	25°29'10	1♍41	18°13	15°58	11°58	23°24	22°57	23°44	12°43	20°44	8°26	9°59	29°51	18° 2	F 11
S 12	17 45 25	26°26'20	15°21	18°35	15°39	12°34	23°37	22°58	23°44	12°41	20°45	8°27	9°55	29°58	17°58	S 12
S 13	17 49 22	27°23'30	29°16	18°53	15°18	13°10	23°51	23° 0	23°45	12°40	20°47	8°R28	9°52	0♉ 4	17°54	S 13
M14	17 53 18	28°20'40	13♎27	19° 6	14°55	13°46	24° 4	23° 1	23°45	12°38	20°48	8°27	9°49	0°11	17°50	M14
T 15	17 57 15	29°17'49	27°52	19°15	14°30	14°22	24°18	23° 3	23°46	12°37	20°49	8°24	9°46	0°18	17°46	T 15
W16	18 1 11	0♋14'58	12♏27	19°R18	14° 2	14°59	24°32	23° 4	23°46	12°35	20°51	8°20	9°43	0°25	17°42	W16
T 17	18 5 8	1°12'07	27° 7	19°18	13°33	15°35	24°45	23° 5	23°46	12°34	20°52	8°15	9°40	0°31	17°38	T 17
F 18	18 9 5	2° 9'16	11♐46	19°12	13° 2	16°11	24°59	23° 7	23°46	12°32	20°54	8° 9	9°36	0°38	17°35	F 18
S 19	18 13 1	3° 6'25	26°16	19° 2	12°30	16°48	25°12	23° 8	23°47	12°30	20°55	8° 5	9°33	0°45	17°31	S 19
S 20	18 16 58	4° 3'35	10♑32	18°47	11°56	17°24	25°26	23° 9	23°47	12°29	20°57	8° 1	9°30	0°52	17°27	S 20
M21	18 20 54	5° 0'44	24°27	18°28	11°21	18° 0	25°40	23° 9	23°47	12°27	20°58	7°59	9°27	0°58	17°23	M21
T 22	18 24 51	5°57'53	8♒ 0	18° 5	10°45	18°37	25°53	23°10	23°47	12°26	21° 0	7°D58	9°24	1° 5	17°20	T 22
W23	18 28 47	6°55'03	21° 9	17°38	10° 8	19°13	26° 7	23°11	23°R47	12°24	21° 1	7°59	9°21	1°12	17°16	W23
T 24	18 32 44	7°52'14	3♓55	17° 8	9°31	19°50	26°20	23°11	23°47	12°22	21° 2	8° 0	9°17	1°18	17°12	T 24
F 25	18 36 40	8°49'25	16°23	16°34	8°53	20°27	26°34	23°12	23°47	12°21	21° 4	8° 2	9°14	1°25	17° 9	F 25
S 26	18 40 37	9°46'36	28°35	15°58	8°16	21° 3	26°47	23°12	23°47	12°19	21° 5	8° 3	9°11	1°32	17° 5	S 26
S 27	18 44 34	10°43'48	10♈35	15°20	7°39	21°40	27° 0	23°12	23°47	12°17	21° 7	8°R 3	9° 8	1°39	17° 2	S 27
M28	18 48 30	11°41'01	22°30	14°40	7° 2	22°17	27°14	23°12	23°46	12°16	21° 8	8° 3	9° 5	1°45	16°58	M28
T 29	18 52 27	12°38'14	4♉23	14° 0	6°26	22°54	27°27	23°R13	23°46	12°14	21° 9	8° 1	9° 1	1°52	16°55	T 29
W30	18 56 23	13♋35'29	16♉18	13♋19	5♋51	23♌30	27♊41	23♓12	23♓46	12♑13	21♊11	7♒59	8♒58	1♉59	16♐52	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n48	14n46	4n58	24n12	1n 6	23n27	0n59	20n11	1n22	23n 3	0s12	4s57	2s10	3s15	0s45	22s15	0n40	17n44	5s30	18s 1	17s41	15n46	17s44	5n21
W 2	22 54	19 4	5 6	23 57	0 56	23 16	0 49	20 1	1 21	23 4	0 12	4 56	2 10	3 14	0 45	22 15	0 40	17 44	5 30	18 3	17 42	15 49	17 44	5 21
T 3	22 59	22 38	5 0	23 41	0 46	23 5	0 38	19 51	1 21	23 5	0 11	4 55	2 11	3 14	0 45	22 15	0 40	17 44	5 29	18 5	17 43	15 51	17 43	5 21
F 4	23 4	25 16	4 41	23 25	0 35	22 54	0 27	19 42	1 20	23 6	0 11	4 55	2 11	3 14	0 45	22 15	0 40	17 44	5 29	18 8	17 44	15 54	17 43	5 21
S 5	23 9	26 45	4 9	23 8	0 24	22 43	0 16	19 32	1 19	23 7	0 11	4 54	2 11	3 13	0 45	22 15	0 40	17 44	5 29	18 10	17 44	15 57	17 43	5 21
S 6	23 13	26 55	3 25	22 51	0 11	22 32	0 4	19 22	1 19	23 8	0 11	4 53	2 11	3 13	0 45	22 16	0 40	17 44	5 29	18 12	17 45	15 59	17 42	5 21
M 7	23 17	25 43	2 30	22 34	0s 1	22 21	0s 8	19 12	1 18	23 9	0 11	4 53	2 12	3 13	0 45	22 16	0 40	17 44	5 29	18 13	17 46	16 2	17 42	5 21
T 8	23 21	23 9	1 27	22 16	0 14	22 10	0 21	19 2	1 18	23 10	0 11	4 52	2 12	3 13	0 45	22 16	0 40	17 45	5 29	18 14	17 47	16 4	17 41	5 21
W 9	23 24	19 22	0 18	21 58	0 28	21 58	0 34	18 51	1 17	23 11	0 11	4 52	2 12	3 12	0 45	22 16	0 40	17 45	5 29	18 15	17 48	16 7	17 41	5 22
T 10	23 26	14 35	0s53	21 40	0 42	21 47	0 47	18 41	1 17	23 12	0 11	4 51	2 12	3 12	0 45	22 16	0 40	17 45	5 29	18 15	17 49	16 10	17 40	5 22
F 11	23 28	9 1	2 3	21 22	0 56	21 36	1 0	18 30	1 16	23 12	0 11	4 51	2 13	3 12	0 46	22 16	0 40	17 45	5 29	18 14	17 50	16 12	17 40	5 22
S 12	23 30	2 56	3 7	21 5	1 11	21 24	1 14	18 20	1 16	23 13	0 11	4 50	2 13	3 12	0 46	22 16	0 40	17 45	5 29	18 14	17 50	16 15	17 40	5 22
S 13	23 31	3s23	4 1	20 47	1 26	21 13	1 27	18 9	1 15	23 14	0 10	4 50	2 13	3 12	0 46	22 17	0 40	17 45	5 29	18 14	17 51	16 17	17 39	5 22
M14	23 32	9 39	4 41	20 30	1 41	21 2	1 41	17 58	1 15	23 15	0 10	4 49	2 14	3 11	0 46	22 17	0 40	17 45	5 29	18 14	17 52	16 20	17 39	5 22
T 15	23 33	15 30	5 5	20 14	1 57	20 51	1 55	17 47	1 14	23 15	0 10	4 49	2 14	3 11	0 46	22 17	0 40	17 46	5 29	18 15	17 53	16 22	17 38	5 22
W16	23 33	20 33	5 9	19 58	2 12	20 39	2 10	17 36	1 14	23 16	0 10	4 49	2 14	3 11	0 46	22 17	0 40	17 46	5 29	18 16	17 54	16 25	17 38	5 22
T 17	23 33	24 22	4 54	19 43	2 28	20 28	2 24	17 24	1 13	23 17	0 10	4 49	2 14	3 11	0 46	22 17	0 40	17 46	5 29	18 17	17 55	16 27	17 38	5 22
F 18	23 32	26 34	4 19	19 28	2 43	20 17	2 38	17 13	1 13	23 17	0 10	4 48	2 15	3 11	0 46	22 17	0 40	17 46	5 29	18 19	17 56	16 30	17 37	5 22
S 19	23 31	26 57	3 27	19 15	2 58	20 6	2 52	17 1	1 12	23 18	0 10	4 48	2 15	3 11	0 46	22 17	0 40	17 46	5 29	18 20	17 56	16 32	17 37	5 22
S 20	23 29	25 31	2 24	19 2	3 13	19 55	3 6	16 50	1 12	23 18	0 10	4 48	2 15	3 11	0 46	22 18	0 40	17 46	5 29	18 21	17 57	16 35	17 37	5 22
M21	23 27	22 32	1 13	18 51	3 27	19 44	3 20	16 38	1 11	23 19	0 10	4 48	2 15	3 11	0 46	22 18	0 40	17 46	5 29	18 21	17 58	16 38	17 36	5 22
T 22	23 25	18 21	0n 0	18 40	3 41	19 34	3 34	16 26	1 11	23 19	0 10	4 48	2 16	3 11	0 46	22 18	0 40	17 46	5 29	18 22	17 59	16 40	17 36	5 22
W23	23 22	13 23	1 11	18 31	3 54	19 23	3 47	16 14	1 10	23 20	0 10	4 48	2 16	3 11	0 46	22 18	0 40	17 46	5 29	18 21	18 0	16 43	17 36	5 22
T 24	23 19	7 59	2 17	18 23	4 5	19 13	4 0	16 2	1 10	23 20	0 9	4 48	2 16	3 11	0 46	22 18	0 40	17 47	5 29	18 21	18 1	16 45	17 35	5 22
F 25	23 15	2 24	3 15	18 17	4 16	19 3	4 12	15 50	1 9	23 21	0 9	4 48	2 17	3 11	0 46	22 18	0 40	17 47	5 29	18 21	18 2	16 48	17 35	5 22
S 26	23 11	3n 8	4 2	18 11	4 26	18 53	4 24	15 38	1 9	23 21	0 9	4 48	2 17	3 11	0 46	22 19	0 40	17 47	5 29	18 20	18 2	16 50	17 35	5 22
S 27	23 7	8 28	4 38	18 8	4 34	18 44	4 36	15 25	1 8	23 22	0 9	4 48	2 17	3 11	0 46	22 19	0 40	17 47	5 29	18 20	18 3	16 53	17 35	5 22
M28	23 2	13 28	5 2	18 5	4 41	18 35	4 47	15 13	1 8	23 22	0 9	4 49	2 17	3 11	0 46	22 19	0 40	17 47	5 29	18 20	18 4	16 55	17 34	5 21
T 29	22 57	17 56	5 13	18 4	4 46	18 26	4 57	15 0	1 7	23 22	0 9	4 49	2 18	3 12	0 46	22 19	0 40	17 47	5 29	18 21	18 5	16 57	17 34	5 21
W30	22n51	21n44	5n10	18n 5	4s49	18n18	5s 7	14n48	1n 7	23n23	0s 9	4s49	2s18	3s12	0s46	22s19	0n40	17n47	5s29	18s21	18s 6	17n 0	17s34	5n21

Julian Day Number = 2148916.5, Delta T = 14m25s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'15, Lahiri = 12°18'15 Julian Calendar 1 June 1171 == Greg. Calendar 8 June 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

JULY 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 20	14♋32'44	28♉20	12°R39	5°R17	24♌ 7	27♊54	23°R12	23°R45	12°R11	21♊12	7°R55	8♒55	2♉ 6	16°R48	T 1
F 2	19 4 16	15°30'00	10♊32	12♋ 1	4♋44	24°44	28° 7	23♓12	23♓45	12♂ 9	21°13	7♒52	8°52	2°12	16♐45	F 2
S 3	19 8 13	16°27'16	22°56	11°24	4°13	25°21	28°21	23°12	23°44	12° 8	21°15	7°48	8°49	2°19	16°42	S 3
S 4	19 12 9	17°24'33	5♋34	10°51	3°43	25°58	28°34	23°11	23°44	12° 6	21°16	7°45	8°46	2°26	16°39	S 4
M 5	19 16 6	18°21'51	18°26	10°20	3°16	26°35	28°47	23°11	23°43	12° 4	21°17	7°44	8°42	2°32	16°36	M 5
T 6	19 20 3	19°19'10	1♌33	9°54	2°50	27°12	29° 0	23°10	23°43	12° 3	21°19	7°D43	8°39	2°39	16°33	T 6
W 7	19 23 59	20°16'29	14°54	9°32	2°26	27°50	29°13	23° 9	23°42	12° 1	21°20	7°43	8°36	2°46	16°30	W 7
T 8	19 27 56	21°13'49	28°27	9°15	2° 5	28°27	29°26	23° 8	23°41	12° 0	21°21	7°43	8°33	2°53	16°27	T 8
F 9	19 31 52	22°11'09	12♍13	9° 3	1°45	29° 4	29°40	23° 7	23°41	11°58	21°23	7°45	8°30	2°59	16°24	F 9
S 10	19 35 49	23° 8'30	26° 8	8°57	1°28	29°41	29°53	23° 6	23°40	11°56	21°24	7°46	8°27	3° 6	16°21	S 10
S 11	19 39 45	24° 5'51	10♎12	8°D57	1°14	0♍19	0♋ 6	23° 5	23°39	11°55	21°25	7°46	8°23	3°13	16°18	S 11
M12	19 43 42	25° 3'13	24°23	9° 3	1° 1	0°56	0°19	23° 4	23°38	11°53	21°26	7°R47	8°20	3°19	16°16	M12
T 13	19 47 38	26° 0'36	8♏38	9°15	0°51	1°33	0°31	23° 2	23°37	11°52	21°28	7°47	8°17	3°26	16°13	T 13
W14	19 51 35	26°57'59	22°56	9°33	0°43	2°11	0°44	23° 1	23°36	11°50	21°29	7°46	8°14	3°33	16°11	W14
T 15	19 55 32	27°55'23	7♐12	9°58	0°38	2°48	0°57	22°59	23°35	11°49	21°30	7°45	8°11	3°40	16° 8	T 15
F 16	19 59 28	28°52'48	21°23	10°30	0°35	3°26	1°10	22°57	23°34	11°47	21°31	7°44	8° 7	3°46	16° 6	F 16
S 17	20 3 25	29°50'13	5♑26	11° 7	0°D35	4° 4	1°23	22°56	23°33	11°46	21°32	7°43	8° 4	3°53	16° 3	S 17
S 18	20 7 21	0♌47'40	19°16	11°51	0°36	4°41	1°35	22°54	23°32	11°44	21°34	7°42	8° 1	4° 0	16° 1	S 18
M19	20 11 18	1°45'07	2♒52	12°42	0°41	5°19	1°48	22°52	23°31	11°43	21°35	7°D42	7°58	4° 7	15°59	M19
T 20	20 15 14	2°42'35	16°10	13°38	0°47	5°57	2° 1	22°50	23°29	11°41	21°36	7°42	7°55	4°13	15°57	T 20
W21	20 19 11	3°40'05	29° 9	14°40	0°55	6°34	2°13	22°48	23°28	11°40	21°37	7°42	7°52	4°20	15°55	W21
T 22	20 23 7	4°37'35	11♓52	15°49	1° 6	7°12	2°26	22°45	23°27	11°38	21°38	7°42	7°48	4°27	15°53	T 22
F 23	20 27 4	5°35'07	24°17	17° 3	1°18	7°50	2°38	22°43	23°26	11°37	21°39	7°43	7°45	4°33	15°51	F 23
S 24	20 31 1	6°32'41	6♈29	18°22	1°33	8°28	2°50	22°41	23°24	11°35	21°40	7°43	7°42	4°40	15°49	S 24
S 25	20 34 57	7°30'16	18°31	19°47	1°50	9° 6	3° 3	22°38	23°23	11°34	21°41	7°R43	7°39	4°47	15°48	S 25
M26	20 38 54	8°27'52	0♉26	21°17	2° 8	9°44	3°15	22°36	23°21	11°32	21°43	7°43	7°36	4°54	15°46	M26
T 27	20 42 50	9°25'30	12°20	22°51	2°29	10°22	3°27	22°33	23°20	11°31	21°44	7°D43	7°33	5° 0	15°45	T 27
W28	20 46 47	10°23'10	24°16	24°29	2°51	11° 0	3°39	22°30	23°18	11°30	21°45	7°43	7°29	5° 7	15°43	W28
T 29	20 50 43	11°20'51	6♊19	26°12	3°15	11°38	3°52	22°27	23°17	11°28	21°46	7°43	7°26	5°14	15°42	T 29
F 30	20 54 40	12°18'34	18°33	27°58	3°40	12°16	4° 4	22°24	23°15	11°27	21°47	7°44	7°23	5°21	15°41	F 30
S 31	20 58 36	13♌16'18	1♋ 3	29♋47	4♋ 8	12♍54	4♋16	22♓21	23♓13	11♑26	21♊48	7♒44	7♒20	5♉27	15♐39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n45	24n39	4n54	18n 7	4s51	18n10	5s16	14n35	1n 6	23n23	0s 9	4s49	2s18	3s12	0s46	22s19	0n40	17n47	5s29	18s22	18s 7	17n 2	17s34	5n21
F 2	22 39	26 29	4 24	18 10	4 51	18 3	5 25	14 22	1 6	23 23	0 9	4 50	2 19	3 12	0 46	22 20	0 40	17 47	5 29	18 23	18 7	17 5	17 34	5 21
S 3	22 32	27 3	3 42	18 15	4 50	17 56	5 33	14 9	1 5	23 24	0 9	4 50	2 19	3 12	0 46	22 20	0 40	17 47	5 29	18 24	18 8	17 7	17 33	5 21
S 4	22 25	26 13	2 48	18 21	4 47	17 50	5 40	13 56	1 5	23 24	0 8	4 51	2 19	3 13	0 46	22 20	0 40	17 48	5 29	18 25	18 9	17 10	17 33	5 21
M 5	22 17	24 0	1 44	18 28	4 42	17 44	5 46	13 43	1 4	23 24	0 8	4 51	2 19	3 13	0 46	22 20	0 40	17 48	5 29	18 25	18 10	17 12	17 33	5 21
T 6	22 9	20 27	0 34	18 36	4 35	17 39	5 52	13 29	1 3	23 24	0 8	4 52	2 20	3 13	0 46	22 20	0 40	17 48	5 29	18 26	18 11	17 15	17 33	5 20
W 7	22 1	15 49	0s40	18 45	4 27	17 34	5 57	13 16	1 3	23 25	0 8	4 52	2 20	3 13	0 46	22 20	0 40	17 48	5 29	18 25	18 12	17 17	17 33	5 20
T 8	21 52	10 19	1 52	18 56	4 18	17 30	6 2	13 3	1 2	23 25	0 8	4 53	2 20	3 14	0 46	22 20	0 40	17 48	5 29	18 25	18 12	17 20	17 33	5 20
F 9	21 43	4 15	2 59	19 7	4 8	17 26	6 6	12 49	1 2	23 25	0 8	4 53	2 20	3 14	0 47	22 21	0 40	17 48	5 29	18 25	18 13	17 22	17 33	5 20
S 10	21 33	2s 4	3 56	19 19	3 56	17 23	6 9	12 35	1 1	23 25	0 8	4 54	2 21	3 14	0 47	22 21	0 40	17 48	5 29	18 25	18 14	17 24	17 33	5 20
S 11	21 23	8 21	4 40	19 31	3 44	17 21	6 12	12 22	1 1	23 25	0 8	4 55	2 21	3 15	0 47	22 21	0 40	17 48	5 29	18 25	18 15	17 27	17 32	5 20
M12	21 13	14 15	5 7	19 44	3 31	17 19	6 14	12 8	1 0	23 25	0 8	4 56	2 21	3 15	0 47	22 21	0 40	17 48	5 29	18 24	18 16	17 29	17 32	5 19
T 13	21 3	19 25	5 16	19 57	3 17	17 17	6 15	11 54	1 0	23 25	0 8	4 56	2 21	3 15	0 47	22 21	0 40	17 48	5 29	18 25	18 17	17 32	17 32	5 19
W14	20 52	23 30	5 5	20 10	3 2	17 16	6 16	11 40	0 59	23 25	0 8	4 57	2 22	3 16	0 47	22 21	0 40	17 48	5 29	18 25	18 17	17 34	17 32	5 19
T 15	20 40	26 8	4 35	20 24	2 47	17 16	6 17	11 26	0 59	23 25	0 7	4 58	2 22	3 16	0 47	22 22	0 40	17 48	5 29	18 25	18 18	17 37	17 32	5 19
F 16	20 29	27 5	3 49	20 37	2 32	17 16	6 17	11 12	0 58	23 25	0 7	4 59	2 22	3 17	0 47	22 22	0 40	17 48	5 29	18 25	18 19	17 39	17 32	5 19
S 17	20 17	26 15	2 49	20 49	2 16	17 17	6 16	10 58	0 58	23 25	0 7	5 0	2 23	3 17	0 47	22 22	0 40	17 48	5 29	18 25	18 20	17 41	17 32	5 18
S 18	20 4	23 49	1 40	21 1	2 0	17 17	6 15	10 43	0 57	23 25	0 7	5 1	2 23	3 18	0 47	22 22	0 40	17 48	5 29	18 26	18 21	17 44	17 32	5 18
M19	19 52	20 3	0 27	21 12	1 44	17 19	6 14	10 29	0 57	23 25	0 7	5 2	2 23	3 18	0 47	22 22	0 40	17 48	5 29	18 26	18 22	17 46	17 32	5 18
T 20	19 39	15 19	0n47	21 23	1 29	17 20	6 12	10 15	0 56	23 25	0 7	5 3	2 23	3 19	0 47	22 22	0 40	17 48	5 29	18 26	18 22	17 48	17 32	5 18
W21	19 25	10 0	1 56	21 32	1 13	17 22	6 10	10 0	0 56	23 25	0 7	5 4	2 24	3 19	0 47	22 22	0 40	17 49	5 29	18 26	18 23	17 51	17 32	5 17
T 22	19 12	4 24	2 58	21 39	0 58	17 25	6 8	9 45	0 55	23 25	0 7	5 5	2 24	3 20	0 47	22 23	0 40	17 49	5 29	18 26	18 24	17 53	17 32	5 17
F 23	18 58	1n15	3 50	21 45	0 43	17 27	6 5	9 31	0 55	23 25	0 7	5 6	2 24	3 20	0 47	22 23	0 40	17 49	5 29	18 25	18 25	17 56	17 32	5 17
S 24	18 43	6 44	4 31	21 49	0 28	17 30	6 2	9 16	0 54	23 24	0 7	5 8	2 24	3 21	0 47	22 23	0 40	17 49	5 29	18 25	18 26	17 58	17 33	5 17
S 25	18 29	11 54	4 59	21 51	0 14	17 33	5 59	9 1	0 53	23 24	0 7	5 9	2 24	3 22	0 47	22 23	0 40	17 49	5 29	18 25	18 26	18 0	17 33	5 16
M26	18 14	16 34	5 14	21 51	0 0	17 37	5 55	8 46	0 53	23 24	0 6	5 10	2 25	3 22	0 47	22 23	0 40	17 49	5 29	18 25	18 27	18 3	17 33	5 16
T 27	17 59	20 36	5 16	21 48	0n12	17 40	5 52	8 31	0 52	23 24	0 6	5 11	2 25	3 23	0 47	22 23	0 40	17 49	5 29	18 25	18 28	18 5	17 33	5 16
W28	17 43	23 49	5 4	21 43	0 25	17 44	5 48	8 16	0 52	23 24	0 6	5 13	2 25	3 23	0 47	22 24	0 40	17 49	5 29	18 25	18 29	18 7	17 33	5 15
T 29	17 27	26 2	4 38	21 36	0 36	17 47	5 43	8 1	0 51	23 23	0 6	5 14	2 25	3 24	0 47	22 24	0 40	17 49	5 29	18 25	18 30	18 10	17 33	5 15
F 30	17 11	27 2	4 0	21 26	0 47	17 51	5 39	7 46	0 51	23 23	0 6	5 15	2 26	3 25	0 47	22 24	0 40	17 49	5 29	18 25	18 31	18 12	17 33	5 15
S 31	16n55	26n42	3n10	21n13	0n56	17n55	5s34	7n31	0n50	23n23	0s 6	5s17	2s26	3s25	0s47	22s24	0n39	17n49	5s29	18s25	18s31	18n14	17s34	5n15

Julian Day Number = 2148946.5, Delta T = 14m25s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'19, Lahiri = 12°18'19 Julian Calendar 1 July 1171 == Greg. Calendar 8 July 1171

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1171
geocentric

AUGUST 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 2 33	14♌14'04	13♋50	1♌38	4♋36	13♍33	4♋27	22°R18	23°R12	11°R24	21♊49	7♒45	7♒17	5♉34	15°R38	S 1
M 2	21 6 30	15°11'52	26°57	3°32	5° 7	14°11	4°39	22♓15	23♓10	11♑23	21°50	7°45	7°13	5°41	15♐37	M 2
T 3	21 10 26	16° 9'41	10♌23	5°28	5°38	14°49	4°51	22°12	23° 8	11°22	21°51	7°R45	7°10	5°47	15°36	T 3
W 4	21 14 23	17° 7'32	24° 8	7°25	6°11	15°28	5° 3	22° 8	23° 6	11°20	21°51	7°45	7° 7	5°54	15°35	W 4
T 5	21 18 19	18° 5'24	8♍ 8	9°23	6°46	16° 6	5°14	22° 5	23° 5	11°19	21°52	7°44	7° 4	6° 1	15°35	T 5
F 6	21 22 16	19° 3'17	22°21	11°22	7°21	16°45	5°26	22° 2	23° 3	11°18	21°53	7°43	7° 1	6° 8	15°34	F 6
S 7	21 26 12	20° 1'12	6♎41	13°21	7°58	17°23	5°37	21°58	23° 1	11°17	21°54	7°42	6°58	6°14	15°33	S 7
S 8	21 30 9	20°59'08	21° 4	15°21	8°36	18° 2	5°49	21°54	22°59	11°16	21°55	7°40	6°54	6°21	15°33	S 8
M 9	21 34 5	21°57'06	5♏26	17°20	9°15	18°40	6° 0	21°51	22°57	11°15	21°56	7°39	6°51	6°28	15°32	M 9
T 10	21 38 2	22°55'04	19°42	19°19	9°55	19°19	6°11	21°47	22°55	11°13	21°57	7°D39	6°48	6°34	15°32	T 10
W11	21 41 59	23°53'05	3♐51	21°18	10°37	19°58	6°22	21°43	22°53	11°12	21°57	7°39	6°45	6°41	15°32	W11
T 12	21 45 55	24°51'06	17°50	23°15	11°19	20°37	6°34	21°39	22°51	11°11	21°58	7°40	6°42	6°48	15°32	T 12
F 13	21 49 52	25°49'09	1♑38	25°13	12° 2	21°15	6°45	21°35	22°49	11°10	21°59	7°41	6°39	6°55	15°D32	F 13
S 14	21 53 48	26°47'14	15°14	27° 9	12°47	21°54	6°55	21°31	22°47	11° 9	22° 0	7°42	6°35	7° 1	15°32	S 14
S 15	21 57 45	27°45'20	28°38	29° 4	13°32	22°33	7° 6	21°27	22°45	11° 8	22° 0	7°43	6°32	7° 8	15°32	S 15
M16	22 1 41	28°43'27	11♒49	0♍58	14°18	23°12	7°17	21°23	22°43	11° 7	22° 1	7°R43	6°29	7°15	15°32	M16
T 17	22 5 38	29°41'36	24°47	2°51	15° 5	23°51	7°28	21°19	22°40	11° 6	22° 2	7°42	6°26	7°22	15°32	T 17
W18	22 9 34	0♍39'47	7♓32	4°43	15°53	24°30	7°38	21°15	22°38	11° 5	22° 2	7°40	6°23	7°28	15°33	W18
T 19	22 13 31	1°38'00	20° 3	6°34	16°41	25° 9	7°49	21°11	22°36	11° 4	22° 3	7°37	6°19	7°35	15°33	T 19
F 20	22 17 28	2°36'14	2♈22	8°23	17°31	25°48	7°59	21° 6	22°34	11° 4	22° 4	7°33	6°16	7°42	15°34	F 20
S 21	22 21 24	3°34'31	14°31	10°12	18°21	26°28	8° 9	21° 2	22°32	11° 3	22° 4	7°29	6°13	7°48	15°34	S 21
S 22	22 25 21	4°32'49	26°31	11°59	19°12	27° 7	8°19	20°58	22°29	11° 2	22° 5	7°25	6°10	7°55	15°35	S 22
M23	22 29 17	5°31'10	8♉25	13°45	20° 3	27°46	8°29	20°53	22°27	11° 1	22° 5	7°21	6° 7	8° 2	15°36	M23
T 24	22 33 14	6°29'33	20°17	15°30	20°56	28°25	8°39	20°49	22°25	11° 0	22° 6	7°19	6° 4	8° 9	15°37	T 24
W25	22 37 10	7°27'58	2♊12	17°14	21°49	29° 5	8°49	20°44	22°23	11° 0	22° 6	7°D17	6° 0	8°15	15°38	W25
T 26	22 41 7	8°26'25	14°13	18°57	22°42	29°44	8°59	20°40	22°20	10°59	22° 7	7°17	5°57	8°22	15°39	T 26
F 27	22 45 3	9°24'54	26°26	20°39	23°36	0♎24	9° 9	20°35	22°18	10°58	22° 7	7°18	5°54	8°29	15°40	F 27
S 28	22 49 0	10°23'26	8♋55	22°19	24°31	1° 3	9°18	20°31	22°16	10°58	22° 8	7°20	5°51	8°36	15°41	S 28
S 29	22 52 57	11°21'59	21°45	23°59	25°26	1°43	9°28	20°26	22°13	10°57	22° 8	7°22	5°48	8°42	15°43	S 29
M30	22 56 53	12°20'35	4♌58	25°38	26°22	2°22	9°37	20°22	22°11	10°57	22° 9	7°R22	5°45	8°49	15°44	M30
T 31	23 0 50	13♍19'13	18♌36	27♍15	27♋18	3♎ 2	9♋46	20♓17	22♓ 8	10♑56	22♊ 9	7♒22	5♒41	8♉56	15♐46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n38	24n57	2n 9	20n57	1n 5	17n59	5s30	7n16	0n50	23n22	0s 6	5s18	2s26	3s26	0s47	22s24	0n39	17n49	5s29	18s25	18s32	18n17	17s34	5n14
M 2	16 21	21 50	0 59	20 38	1 13	18 2	5 25	7 0	0 49	23 22	0 6	5 20	2 26	3 27	0 47	22 24	0 39	17 49	5 30	18 25	18 33	18 19	17 34	5 14
T 3	16 4	17 29	0s15	20 17	1 21	18 6	5 20	6 45	0 49	23 22	0 6	5 21	2 26	3 28	0 47	22 24	0 39	17 49	5 30	18 25	18 34	18 21	17 34	5 14
W 4	15 46	12 8	1 29	19 54	1 27	18 10	5 15	6 30	0 48	23 21	0 6	5 23	2 27	3 28	0 47	22 24	0 39	17 49	5 30	18 25	18 35	18 24	17 34	5 13
T 5	15 29	6 5	2 40	19 28	1 32	18 14	5 9	6 14	0 48	23 21	0 6	5 24	2 27	3 29	0 47	22 25	0 39	17 49	5 30	18 25	18 35	18 26	17 35	5 13
F 6	15 11	0s21	3 42	19 0	1 37	18 17	5 4	5 59	0 47	23 21	0 5	5 26	2 27	3 30	0 47	22 25	0 39	17 49	5 30	18 25	18 36	18 28	17 35	5 13
S 7	14 52	6 48	4 31	18 29	1 40	18 20	4 59	5 43	0 46	23 20	0 5	5 27	2 27	3 31	0 47	22 25	0 39	17 49	5 30	18 26	18 37	18 30	17 35	5 12
S 8	14 34	12 55	5 3	17 57	1 43	18 24	4 53	5 27	0 46	23 20	0 5	5 29	2 27	3 31	0 47	22 25	0 39	17 49	5 30	18 26	18 38	18 33	17 35	5 12
M 9	14 15	18 20	5 15	17 22	1 45	18 27	4 47	5 12	0 45	23 20	0 5	5 30	2 28	3 32	0 47	22 25	0 39	17 49	5 30	18 26	18 39	18 35	17 36	5 12
T 10	13 56	22 41	5 9	16 46	1 46	18 30	4 42	4 56	0 45	23 19	0 5	5 32	2 28	3 33	0 47	22 25	0 39	17 49	5 30	18 27	18 39	18 37	17 36	5 11
W11	13 37	25 39	4 43	16 9	1 47	18 32	4 36	4 40	0 44	23 19	0 5	5 34	2 28	3 34	0 47	22 25	0 39	17 49	5 30	18 27	18 40	18 40	17 36	5 11
T 12	13 18	27 0	4 1	15 30	1 47	18 35	4 30	4 24	0 44	23 18	0 5	5 35	2 28	3 35	0 47	22 25	0 39	17 49	5 30	18 26	18 41	18 42	17 37	5 11
F 13	12 58	26 38	3 6	14 50	1 46	18 37	4 24	4 9	0 43	23 18	0 5	5 37	2 28	3 35	0 47	22 26	0 39	17 49	5 30	18 26	18 42	18 44	17 37	5 10
S 14	12 38	24 40	2 1	14 9	1 44	18 39	4 18	3 53	0 43	23 17	0 5	5 39	2 29	3 36	0 47	22 26	0 39	17 49	5 30	18 26	18 43	18 46	17 37	5 10
S 15	12 18	21 21	0 50	13 27	1 42	18 41	4 12	3 37	0 42	23 17	0 5	5 41	2 29	3 37	0 47	22 26	0 39	17 49	5 30	18 25	18 43	18 49	17 38	5 10
M16	11 58	16 58	0n23	12 44	1 40	18 42	4 6	3 21	0 42	23 16	0 4	5 42	2 29	3 38	0 47	22 26	0 39	17 49	5 30	18 25	18 44	18 51	17 38	5 9
T 17	11 38	11 52	1 32	12 1	1 37	18 43	4 0	3 5	0 41	23 16	0 4	5 44	2 29	3 39	0 47	22 26	0 39	17 49	5 30	18 26	18 45	18 53	17 38	5 9
W18	11 17	6 22	2 37	11 17	1 34	18 44	3 54	2 49	0 40	23 15	0 4	5 46	2 29	3 40	0 48	22 26	0 39	17 49	5 30	18 26	18 46	18 55	17 39	5 9
T 19	10 57	0 43	3 32	10 32	1 30	18 44	3 47	2 33	0 40	23 15	0 4	5 48	2 29	3 41	0 48	22 26	0 39	17 49	5 31	18 27	18 47	18 58	17 39	5 8
F 20	10 36	4n52	4 16	9 47	1 25	18 44	3 41	2 17	0 39	23 14	0 4	5 50	2 29	3 41	0 48	22 26	0 39	17 49	5 31	18 28	18 47	19 0	17 39	5 8
S 21	10 14	10 10	4 48	9 2	1 21	18 44	3 35	2 0	0 39	23 14	0 4	5 51	2 30	3 42	0 48	22 26	0 39	17 49	5 31	18 29	18 48	19 2	17 40	5 8
S 22	9 53	15 2	5 7	8 16	1 16	18 43	3 29	1 44	0 38	23 13	0 4	5 53	2 30	3 43	0 48	22 26	0 39	17 48	5 31	18 30	18 49	19 4	17 40	5 7
M23	9 32	19 18	5 13	7 30	1 11	18 42	3 22	1 28	0 38	23 13	0 4	5 55	2 30	3 44	0 48	22 27	0 39	17 48	5 31	18 31	18 50	19 6	17 41	5 7
T 24	9 10	22 47	5 5	6 44	1 5	18 41	3 16	1 12	0 37	23 12	0 4	5 57	2 30	3 45	0 48	22 27	0 39	17 48	5 31	18 32	18 51	19 9	17 41	5 7
W25	8 48	25 20	4 44	5 58	0 59	18 39	3 10	0 56	0 37	23 12	0 4	5 59	2 30	3 46	0 48	22 27	0 39	17 48	5 31	18 32	18 51	19 11	17 42	5 6
T 26	8 27	26 45	4 10	5 13	0 53	18 36	3 4	0 39	0 36	23 11	0 3	6 1	2 30	3 47	0 48	22 27	0 39	17 48	5 31	18 32	18 52	19 13	17 42	5 6
F 27	8 5	26 55	3 25	4 27	0 47	18 34	2 58	0 23	0 35	23 10	0 3	6 3	2 30	3 48	0 48	22 27	0 39	17 48	5 31	18 32	18 53	19 15	17 42	5 6
S 28	7 42	25 43	2 29	3 41	0 41	18 30	2 51	0 7	0 35	23 10	0 3	6 5	2 30	3 49	0 48	22 27	0 39	17 48	5 31	18 31	18 54	19 17	17 43	5 5
S 29	7 20	23 10	1 24	2 55	0 34	18 27	2 45	0s10	0 34	23 9	0 3	6 6	2 30	3 50	0 48	22 27	0 39	17 48	5 31	18 31	18 55	19 20	17 43	5 5
M30	6 58	19 19	0 13	2 10	0 27	18 22	2 39	0 26	0 34	23 9	0 3	6 8	2 30	3 51	0 48	22 27	0 39	17 48	5 31	18 31	18 55	19 22	17 44	5 5
T 31	6n35	14n21	1s 1	1n25	0n20	18n18	2s33	0s42	0n33	23n 8	0s 3	6s10	2s31	3s52	0s48	22s27	0n39	17n48	5s31	18s31	18s56	19n24	17s44	5n 4

Julian Day Number = 2148977.5, Delta T = 14m25s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'23, Lahiri = 12°18'24 Julian Calendar 1 Aug. 1171 == Greg. Calendar 8 Aug. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

SEPTEMBER 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 4 46	14♍17'53	2♍39	28♍52	28♋15	3♎42	9♋55	20°R12	22°R 6	10°R55	22♊ 9	7°R20	5♒38	9♉ 2	15♐47	W 1
T 2	23 8 43	15°16'35	17° 3	0♎27	29°13	4°22	10° 4	20♓ 8	22♓ 4	10♑55	22°10	7♒16	5°35	9° 9	15°49	T 2
F 3	23 12 39	16°15'19	1♎42	2° 2	0♏11	5° 1	10°13	20° 3	22° 1	10°55	22°10	7°11	5°32	9°16	15°51	F 3
S 4	23 16 36	17°14'05	16°30	3°35	1° 9	5°41	10°22	19°58	21°59	10°54	22°10	7° 4	5°29	9°23	15°52	S 4
S 5	23 20 32	18°12'53	1♏19	5° 8	2° 8	6°21	10°30	19°54	21°56	10°54	22°10	6°58	5°25	9°29	15°54	S 5
M 6	23 24 29	19°11'43	16° 0	6°39	3° 7	7° 1	10°39	19°49	21°54	10°53	22°11	6°53	5°22	9°36	15°56	M 6
T 7	23 28 26	20°10'34	0♐28	8°10	4° 7	7°41	10°47	19°44	21°52	10°53	22°11	6°50	5°19	9°43	15°59	T 7
W 8	23 32 22	21° 9'28	14°40	9°40	5° 7	8°21	10°55	19°39	21°49	10°53	22°11	6°48	5°16	9°49	16° 1	W 8
T 9	23 36 19	22° 8'23	28°32	11° 9	6° 7	9° 1	11° 3	19°35	21°47	10°52	22°11	6°D48	5°13	9°56	16° 3	T 9
F 10	23 40 15	23° 7'20	12♑ 7	12°36	7° 8	9°42	11°11	19°30	21°44	10°52	22°11	6°49	5°10	10° 3	16° 5	F 10
S 11	23 44 12	24° 6'18	25°25	14° 3	8° 9	10°22	11°19	19°25	21°42	10°52	22°12	6°51	5° 6	10°10	16° 8	S 11
S 12	23 48 8	25° 5'19	8♒27	15°29	9°11	11° 2	11°27	19°21	21°40	10°52	22°12	6°R51	5° 3	10°16	16°10	S 12
M13	23 52 5	26° 4'21	21°17	16°54	10°13	11°42	11°34	19°16	21°37	10°52	22°12	6°50	5° 0	10°23	16°13	M13
T 14	23 56 1	27° 3'25	3♓55	18°18	11°15	12°23	11°42	19°12	21°35	10°52	22°12	6°47	4°57	10°30	16°16	T 14
W15	23 59 58	28° 2'31	16°22	19°40	12°17	13° 3	11°49	19° 7	21°32	10°52	22°12	6°41	4°54	10°37	16°19	W15
T 16	0 3 55	29° 1'39	28°41	21° 2	13°20	13°44	11°56	19° 2	21°30	10°52	22°R12	6°33	4°50	10°43	16°21	T 16
F 17	0 7 51	0♎ 0'49	10♈51	22°22	14°24	14°24	12° 3	18°58	21°28	10°D52	22°12	6°23	4°47	10°50	16°24	F 17
S 18	0 11 48	1° 0'01	22°53	23°42	15°27	15° 5	12°10	18°53	21°25	10°52	22°12	6°13	4°44	10°57	16°27	S 18
S 19	0 15 44	1°59'15	4♉50	25° 0	16°31	15°45	12°17	18°49	21°23	10°52	22°12	6° 2	4°41	11° 3	16°30	S 19
M20	0 19 41	2°58'32	16°42	26°16	17°36	16°26	12°23	18°44	21°20	10°52	22°12	5°53	4°38	11°10	16°34	M20
T 21	0 23 37	3°57'51	28°33	27°32	18°40	17° 7	12°30	18°40	21°18	10°52	22°12	5°45	4°35	11°17	16°37	T 21
W22	0 27 34	4°57'12	10♊26	28°46	19°45	17°47	12°36	18°35	21°16	10°52	22°11	5°39	4°31	11°24	16°40	W22
T 23	0 31 30	5°56'36	22°24	29°58	20°50	18°28	12°42	18°31	21°13	10°52	22°11	5°36	4°28	11°30	16°44	T 23
F 24	0 35 27	6°56'02	4♋33	1♏ 8	21°55	19° 9	12°48	18°27	21°11	10°52	22°11	5°D35	4°25	11°37	16°47	F 24
S 25	0 39 24	7°55'30	16°58	2°17	23° 1	19°50	12°53	18°22	21° 9	10°53	22°11	5°35	4°22	11°44	16°51	S 25
S 26	0 43 20	8°55'01	29°43	3°24	24° 7	20°31	12°59	18°18	21° 7	10°53	22°11	5°R36	4°19	11°50	16°54	S 26
M27	0 47 17	9°54'34	12♌54	4°28	25°13	21°12	13° 5	18°14	21° 4	10°53	22°11	5°36	4°16	11°57	16°58	M27
T 28	0 51 13	10°54'09	26°32	5°31	26°19	21°53	13°10	18°10	21° 2	10°54	22°10	5°34	4°12	12° 4	17° 2	T 28
W29	0 55 10	11°53'47	10♍40	6°30	27°26	22°34	13°15	18° 6	21° 0	10°54	22°10	5°30	4° 9	12°11	17° 6	W29
T 30	0 59 6	12♎53'27	25♍15	7♏27	28♌33	23♎16	13♋20	18♓ 2	20♓58	10♑55	22♊10	5♒23	4♒ 6	12♉17	17♐ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n12	8n31	2s13	0n40	0n13	18n13	2s27	0s59	0n33	23n 8	0s 3	6s12	2s31	3s53	0s48	22s27	0n39	17n48	5s31	18s31	18s57	19n26	17s45	5n 4	W 1
T 2	5 50	2 6	3 19	0s 5	0 6	18 7	2 21	1 15	0 32	23 7	0 3	6 14	2 31	3 54	0 48	22 27	0 39	17 48	5 32	18 32	18 58	19 28	17 45	5 4	T 2
F 3	5 27	4s32	4 12	0 49	0s 1	18 1	2 14	1 31	0 31	23 7	0 3	6 16	2 31	3 54	0 48	22 27	0 39	17 48	5 32	18 34	18 58	19 30	17 46	5 3	F 3
S 4	5 4	10 58	4 50	1 33	0 8	17 54	2 8	1 48	0 31	23 6	0 3	6 18	2 31	3 55	0 48	22 28	0 39	17 48	5 32	18 35	18 59	19 32	17 47	5 3	S 4
S 5	4 41	16 47	5 8	2 17	0 16	17 47	2 2	2 4	0 30	23 5	0 2	6 20	2 31	3 56	0 48	22 28	0 38	17 48	5 32	18 37	19 0	19 35	17 47	5 3	S 5
M 6	4 18	21 34	5 5	3 0	0 23	17 40	1 56	2 21	0 30	23 5	0 2	6 22	2 31	3 57	0 48	22 28	0 38	17 48	5 32	18 38	19 1	19 37	17 48	5 2	M 6
T 7	3 55	24 57	4 43	3 43	0 30	17 32	1 50	2 37	0 29	23 4	0 2	6 24	2 31	3 58	0 48	22 28	0 38	17 48	5 32	18 39	19 2	19 39	17 48	5 2	T 7
W 8	3 31	26 42	4 4	4 25	0 38	17 23	1 44	2 53	0 29	23 4	0 2	6 26	2 31	3 59	0 48	22 28	0 38	17 48	5 32	18 39	19 2	19 41	17 49	5 1	W 8
T 9	3 8	26 44	3 12	5 7	0 45	17 14	1 39	3 10	0 28	23 3	0 2	6 27	2 31	4 0	0 48	22 28	0 38	17 48	5 32	18 39	19 3	19 43	17 49	5 1	T 9
F 10	2 45	25 9	2 9	5 49	0 53	17 5	1 33	3 26	0 27	23 3	0 2	6 29	2 31	4 1	0 48	22 28	0 38	17 47	5 32	18 39	19 4	19 45	17 50	5 1	F 10
S 11	2 21	22 10	1 1	6 29	1 0	16 55	1 27	3 43	0 27	23 2	0 2	6 31	2 31	4 2	0 48	22 28	0 38	17 47	5 32	18 39	19 5	19 47	17 50	5 1	S 11
S 12	1 58	18 6	0n 9	7 10	1 8	16 44	1 21	3 59	0 26	23 1	0 2	6 33	2 31	4 3	0 48	22 28	0 38	17 47	5 32	18 39	19 5	19 49	17 51	5 0	S 12
M13	1 34	13 15	1 17	7 49	1 15	16 33	1 15	4 15	0 26	23 1	0 2	6 35	2 31	4 4	0 48	22 28	0 38	17 47	5 32	18 39	19 6	19 51	17 52	5 0	M13
T 14	1 11	7 57	2 20	8 28	1 22	16 22	1 10	4 32	0 25	23 0	0 2	6 37	2 31	4 5	0 48	22 28	0 38	17 47	5 32	18 40	19 7	19 54	17 52	5 0	T 14
W15	0 47	2 24	3 16	9 6	1 29	16 10	1 4	4 48	0 25	23 0	0 1	6 38	2 31	4 6	0 48	22 28	0 38	17 47	5 33	18 41	19 8	19 56	17 53	4 59	W15
T 16	0 23	3n10	4 1	9 44	1 37	15 57	0 59	5 4	0 24	22 59	0 1	6 40	2 31	4 7	0 48	22 28	0 38	17 47	5 33	18 43	19 8	19 58	17 53	4 59	T 16
F 17	0s 0	8 31	4 35	10 21	1 44	15 44	0 53	5 21	0 23	22 59	0 1	6 42	2 31	4 8	0 48	22 28	0 38	17 47	5 33	18 46	19 9	20 0	17 54	4 59	F 17
S 18	0 24	13 31	4 56	10 57	1 51	15 31	0 48	5 37	0 23	22 58	0 1	6 44	2 31	4 9	0 48	22 28	0 38	17 47	5 33	18 48	19 10	20 2	17 55	4 58	S 18
S 19	0 48	17 58	5 4	11 32	1 57	15 17	0 42	5 53	0 22	22 58	0 1	6 46	2 31	4 10	0 48	22 28	0 38	17 47	5 33	18 51	19 11	20 4	17 55	4 58	S 19
M20	1 11	21 40	4 59	12 7	2 4	15 2	0 37	6 9	0 22	22 57	0 1	6 47	2 31	4 11	0 48	22 28	0 38	17 47	5 33	18 53	19 12	20 6	17 56	4 58	M20
T 21	1 35	24 29	4 41	12 40	2 11	14 48	0 32	6 26	0 21	22 57	0 1	6 49	2 31	4 12	0 48	22 28	0 38	17 47	5 33	18 55	19 12	20 8	17 56	4 57	T 21
W22	1 59	26 15	4 11	13 13	2 17	14 32	0 27	6 42	0 21	22 56	0 1	6 51	2 31	4 12	0 48	22 28	0 38	17 47	5 33	18 57	19 13	20 10	17 57	4 57	W22
T 23	2 22	26 49	3 29	13 44	2 23	14 16	0 22	6 58	0 20	22 56	0 0	6 52	2 31	4 13	0 48	22 28	0 38	17 46	5 33	18 57	19 14	20 12	17 58	4 57	T 23
F 24	2 46	26 6	2 38	14 15	2 29	14 0	0 17	7 14	0 19	22 55	0 0	6 54	2 31	4 14	0 48	22 28	0 38	17 46	5 33	18 58	19 15	20 14	17 58	4 56	F 24
S 25	3 9	24 5	1 38	14 44	2 34	13 43	0 12	7 30	0 19	22 55	0 0	6 56	2 31	4 15	0 47	22 28	0 38	17 46	5 33	18 58	19 15	20 16	17 59	4 56	S 25
S 26	3 33	20 49	0 31	15 12	2 39	13 26	0 7	7 46	0 18	22 55	0 0	6 57	2 31	4 16	0 47	22 28	0 38	17 46	5 33	18 57	19 16	20 18	18 0	4 56	S 26
M27	3 57	16 24	0s39	15 39	2 44	13 8	0 2	8 2	0 18	22 54	0 0	6 59	2 31	4 17	0 47	22 28	0 38	17 46	5 33	18 57	19 17	20 20	18 0	4 56	M27
T 28	4 20	11 1	1 49	16 4	2 49	12 50	0n 3	8 18	0 17	22 54	0n 0	7 1	2 31	4 18	0 47	22 28	0 38	17 46	5 33	18 58	19 18	20 22	18 1	4 55	T 28
W29	4 43	4 54	2 55	16 28	2 53	12 32	0 7	8 34	0 16	22 53	0 0	7 2	2 30	4 19	0 47	22 28	0 38	17 46	5 34	18 59	19 18	20 24	18 1	4 55	W29
T 30	5s 7	1s38	3s51	16s50	2s57	12n13	0n12	8s50	0n16	22n53	0n 0	7s 4	2s30	4s19	0s47	22s28	0n38	17n46	5s34	19s 1	19s19	20n26	18s 2	4n55	T 30

Julian Day Number = 2149008.5, Delta T = 14m25s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'27, Lahiri = 12°18'28 Julian Calendar 1 Sept. 1171 == Greg. Calendar 8 Sept. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

OCTOBER 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 3 3	13♎53'08	10♎11	8♏20	29♌40	23♎57	13♋25	17°R58	20°R55	10♉55	22°R 9	5°R14	4♒ 3	12♉24	17♐13	F 1
S 2	1 6 59	14°52'52	25°21	9°11	0♍47	24°38	13°29	17♓54	20♓53	10°56	22♊ 9	5♒ 3	4° 0	12°31	17°18	S 2
S 3	1 10 56	15°52'38	10♏33	9°57	1°55	25°19	13°34	17°50	20°51	10°56	22° 9	4°53	3°56	12°38	17°22	S 3
M 4	1 14 52	16°52'26	25°36	10°39	3° 3	26° 1	13°38	17°46	20°49	10°57	22° 8	4°44	3°53	12°44	17°26	M 4
T 5	1 18 49	17°52'16	10♐23	11°16	4°10	26°42	13°42	17°42	20°47	10°57	22° 8	4°36	3°50	12°51	17°30	T 5
W 6	1 22 46	18°52'08	24°47	11°48	5°19	27°24	13°46	17°39	20°45	10°58	22° 7	4°32	3°47	12°58	17°34	W 6
T 7	1 26 42	19°52'01	8♑45	12°15	6°27	28° 5	13°49	17°35	20°43	10°59	22° 7	4°30	3°44	13° 4	17°39	T 7
F 8	1 30 39	20°51'56	22°18	12°35	7°35	28°47	13°53	17°31	20°41	10°59	22° 6	4°D30	3°41	13°11	17°43	F 8
S 9	1 34 35	21°51'52	5♒29	12°48	8°44	29°29	13°56	17°28	20°39	11° 0	22° 6	4°R30	3°37	13°18	17°48	S 9
S 10	1 38 32	22°51'50	18°20	12°R54	9°53	0♏10	13°59	17°25	20°37	11° 1	22° 5	4°29	3°34	13°25	17°52	S 10
M11	1 42 28	23°51'50	0♓56	12°52	11° 2	0°52	14° 2	17°21	20°35	11° 2	22° 5	4°27	3°31	13°31	17°57	M11
T 12	1 46 25	24°51'52	13°19	12°41	12°11	1°34	14° 5	17°18	20°33	11° 2	22° 4	4°21	3°28	13°38	18° 2	T 12
W13	1 50 21	25°51'55	25°33	12°21	13°20	2°16	14° 8	17°15	20°31	11° 3	22° 4	4°13	3°25	13°45	18° 6	W13
T 14	1 54 18	26°52'00	7♈40	11°51	14°30	2°58	14°10	17°12	20°30	11° 4	22° 3	4° 2	3°22	13°51	18°11	T 14
F 15	1 58 15	27°52'06	19°41	11°12	15°40	3°40	14°12	17° 9	20°28	11° 5	22° 3	3°49	3°18	13°58	18°16	F 15
S 16	2 2 11	28°52'15	1♉37	10°23	16°49	4°22	14°14	17° 6	20°26	11° 6	22° 2	3°34	3°15	14° 5	18°21	S 16
S 17	2 6 8	29°52'25	13°31	9°26	17°59	5° 4	14°16	17° 3	20°24	11° 7	22° 1	3°19	3°12	14°12	18°26	S 17
M18	2 10 4	0♏52'38	25°22	8°21	19°10	5°46	14°18	17° 1	20°23	11° 8	22° 1	3° 5	3° 9	14°18	18°31	M18
T 19	2 14 1	1°52'52	7♊14	7° 9	20°20	6°28	14°19	16°58	20°21	11° 9	22° 0	2°54	3° 6	14°25	18°36	T 19
W20	2 17 57	2°53'08	19° 8	5°52	21°30	7°10	14°20	16°55	20°19	11°10	21°59	2°45	3° 2	14°32	18°41	W20
T 21	2 21 54	3°53'27	1♋ 7	4°33	22°41	7°52	14°22	16°53	20°18	11°11	21°58	2°40	2°59	14°39	18°46	T 21
F 22	2 25 50	4°53'47	13°15	3°13	23°52	8°35	14°22	16°51	20°16	11°12	21°58	2°37	2°56	14°45	18°51	F 22
S 23	2 29 47	5°54'09	25°36	1°57	25° 3	9°17	14°23	16°48	20°15	11°14	21°57	2°36	2°53	14°52	18°57	S 23
S 24	2 33 44	6°54'33	8♌16	0°45	26°14	10° 0	14°23	16°46	20°13	11°15	21°56	2°36	2°50	14°59	19° 2	S 24
M25	2 37 40	7°55'00	21°19	29♎40	27°25	10°42	14°24	16°44	20°12	11°16	21°55	2°35	2°47	15° 5	19° 7	M25
T 26	2 41 37	8°55'28	4♍49	28°45	28°36	11°25	14°R24	16°42	20°11	11°17	21°55	2°33	2°43	15°12	19°13	T 26
W27	2 45 33	9°55'58	18°49	28° 0	29°47	12° 7	14°24	16°40	20° 9	11°19	21°54	2°29	2°40	15°19	19°18	W27
T 28	2 49 30	10°56'30	3♎19	27°26	0♎59	12°50	14°23	16°38	20° 8	11°20	21°53	2°22	2°37	15°26	19°24	T 28
F 29	2 53 26	11°57'03	18°15	27° 4	2°10	13°32	14°23	16°37	20° 7	11°21	21°52	2°12	2°34	15°32	19°29	F 29
S 30	2 57 23	12°57'39	3♏28	26°D53	3°22	14°15	14°22	16°35	20° 6	11°23	21°51	2° 1	2°31	15°39	19°35	S 30
S 31	3 1 19	13♏58'16	18♏50	26♎54	4♎34	14♏58	14♋21	16♓34	20♓ 4	11♑24	21♊50	1♒50	2♒27	15♉46	19♐41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s30	8s14	4s34	17s11	3s 0	11n54	0n16	9s 6	0n15	22n53	0n 0	7s 5	2s30	4s20	0s47	22s28	0n38	17n46	5s34	19s 3	19s20	20n28	18s 3	4n54	F 1
S 2	5 53	14 27	4 57	17 30	3 3	11 34	0 20	9 22	0 15	22 52	0 1	7 7	2 30	4 21	0 47	22 28	0 38	17 46	5 34	19 5	19 21	20 30	18 3	4 54	S 2
S 3	6 17	19 48	5 0	17 47	3 5	11 14	0 25	9 37	0 14	22 52	0 1	7 8	2 30	4 22	0 47	22 28	0 38	17 46	5 34	19 8	19 21	20 32	18 4	4 54	S 3
M 4	6 40	23 49	4 42	18 1	3 6	10 53	0 29	9 53	0 13	22 52	0 1	7 9	2 30	4 23	0 47	22 28	0 38	17 46	5 34	19 10	19 22	20 34	18 5	4 54	M 4
T 5	7 3	26 9	4 5	18 14	3 6	10 32	0 33	10 9	0 13	22 51	0 1	7 11	2 30	4 24	0 47	22 28	0 38	17 45	5 34	19 12	19 23	20 36	18 5	4 53	T 5
W 6	7 25	26 40	3 14	18 24	3 6	10 11	0 37	10 24	0 12	22 51	0 1	7 12	2 30	4 24	0 47	22 28	0 37	17 45	5 34	19 13	19 24	20 38	18 6	4 53	W 6
T 7	7 48	25 27	2 12	18 31	3 5	9 49	0 41	10 40	0 12	22 51	0 1	7 13	2 30	4 25	0 47	22 28	0 37	17 45	5 34	19 13	19 24	20 40	18 7	4 53	T 7
F 8	8 11	22 45	1 4	18 35	3 3	9 27	0 45	10 55	0 11	22 51	0 1	7 15	2 30	4 26	0 47	22 28	0 37	17 45	5 34	19 14	19 25	20 42	18 7	4 53	F 8
S 9	8 33	18 54	0n 5	18 36	2 59	9 5	0 49	11 10	0 10	22 50	0 1	7 16	2 29	4 27	0 47	22 28	0 37	17 45	5 34	19 13	19 26	20 44	18 8	4 52	S 9
S 10	8 56	14 15	1 13	18 33	2 54	8 42	0 52	11 26	0 10	22 50	0 2	7 17	2 29	4 27	0 47	22 28	0 37	17 45	5 34	19 14	19 27	20 46	18 9	4 52	S 10
M11	9 18	9 5	2 15	18 26	2 48	8 19	0 56	11 41	0 9	22 50	0 2	7 18	2 29	4 28	0 47	22 28	0 37	17 45	5 34	19 14	19 27	20 48	18 9	4 52	M11
T 12	9 40	3 40	3 10	18 16	2 41	7 56	0 59	11 56	0 9	22 50	0 2	7 19	2 29	4 29	0 47	22 28	0 37	17 45	5 34	19 15	19 28	20 50	18 10	4 52	T 12
W13	10 2	1n49	3 55	18 1	2 32	7 33	1 3	12 11	0 8	22 50	0 2	7 21	2 29	4 30	0 47	22 28	0 37	17 45	5 34	19 17	19 29	20 52	18 10	4 52	W13
T 14	10 24	7 10	4 29	17 41	2 21	7 9	1 6	12 26	0 7	22 50	0 2	7 22	2 29	4 30	0 47	22 28	0 37	17 45	5 34	19 20	19 30	20 53	18 11	4 51	T 14
F 15	10 46	12 12	4 50	17 17	2 8	6 44	1 9	12 41	0 7	22 49	0 2	7 23	2 29	4 31	0 47	22 28	0 37	17 45	5 35	19 23	19 30	20 55	18 12	4 51	F 15
S 16	11 7	16 45	4 59	16 48	1 54	6 20	1 12	12 56	0 6	22 49	0 2	7 24	2 29	4 32	0 47	22 28	0 37	17 44	5 35	19 27	19 31	20 57	18 12	4 51	S 16
S 17	11 29	20 38	4 54	16 15	1 38	5 55	1 15	13 11	0 6	22 49	0 2	7 25	2 28	4 32	0 47	22 28	0 37	17 44	5 35	19 30	19 32	20 59	18 13	4 51	S 17
M18	11 50	23 40	4 37	15 37	1 20	5 30	1 18	13 25	0 5	22 49	0 3	7 26	2 28	4 33	0 47	22 28	0 37	17 44	5 35	19 33	19 33	21 1	18 14	4 50	M18
T 19	12 11	25 41	4 8	14 55	1 1	5 5	1 21	13 40	0 4	22 49	0 3	7 26	2 28	4 34	0 47	22 28	0 37	17 44	5 35	19 36	19 33	21 3	18 14	4 50	T 19
W20	12 32	26 33	3 28	14 11	0 41	4 40	1 24	13 54	0 4	22 49	0 3	7 27	2 28	4 34	0 47	22 28	0 37	17 44	5 35	19 38	19 34	21 5	18 15	4 50	W20
T 21	12 52	26 11	2 38	13 25	0 21	4 14	1 26	14 9	0 3	22 49	0 3	7 28	2 28	4 35	0 47	22 28	0 37	17 44	5 35	19 39	19 35	21 7	18 15	4 50	T 21
F 22	13 13	24 33	1 40	12 39	0n 0	3 48	1 29	14 23	0 3	22 49	0 3	7 29	2 28	4 35	0 47	22 28	0 37	17 44	5 35	19 40	19 35	21 9	18 16	4 50	F 22
S 23	13 33	21 43	0 37	11 53	0 20	3 22	1 31	14 37	0 2	22 49	0 3	7 30	2 27	4 36	0 47	22 27	0 37	17 44	5 35	19 40	19 36	21 10	18 17	4 50	S 23
S 24	13 53	17 48	0s30	11 10	0 40	2 56	1 33	14 51	0 1	22 49	0 3	7 30	2 27	4 36	0 47	22 27	0 37	17 44	5 35	19 40	19 37	21 12	18 17	4 49	S 24
M25	14 13	12 55	1 37	10 30	0 59	2 30	1 36	15 5	0 1	22 50	0 4	7 31	2 27	4 37	0 47	22 27	0 37	17 44	5 35	19 40	19 38	21 14	18 18	4 49	M25
T 26	14 32	7 17	2 41	9 54	1 16	2 3	1 38	15 19	0 0	22 50	0 4	7 31	2 27	4 37	0 47	22 27	0 37	17 44	5 35	19 41	19 38	21 16	18 18	4 49	T 26
W27	14 52	1 6	3 38	9 24	1 31	1 36	1 40	15 33	0s 0	22 50	0 4	7 32	2 27	4 38	0 47	22 27	0 37	17 43	5 35	19 42	19 39	21 18	18 19	4 49	W27
T 28	15 11	5s21	4 23	8 59	1 44	1 10	1 42	15 47	0 1	22 50	0 4	7 33	2 26	4 38	0 47	22 27	0 37	17 43	5 35	19 43	19 40	21 20	18 19	4 49	T 28
F 29	15 29	11 40	4 52	8 41	1 56	0 43	1 43	16 0	0 2	22 50	0 4	7 33	2 26	4 39	0 47	22 27	0 37	17 43	5 35	19 46	19 41	21 21	18 20	4 49	F 29
S 30	15 48	17 26	5 0	8 28	2 5	0 16	1 45	16 13	0 2	22 50	0 4	7 33	2 26	4 39	0 47	22 27	0 37	17 43	5 35	19 48	19 41	21 23	18 21	4 48	S 30
S 31	16s 6	22s 6	4s48	8s21	2n13	0s12	1n47	16s27	0s 3	22n51	0n 4	7s34	2s26	4s40	0s47	22s27	0n37	17n43	5s35	19s51	19s42	21n25	18s21	4n48	S 31

Julian Day Number = 2149038.5, Delta T = 14m24s
Ecliptic obliquity = 23°32'54, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'31, Lahiri = 12°18'32 Julian Calendar 1 Oct. 1171 == Greg. Calendar 8 Oct. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

NOVEMBER 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 5 16	14♏58'54	4♐ 8	27♎ 6	5♎46	15♏41	14°R20	16°R32	20°R 3	11♑25	21°R49	1°R39	2♒24	15♉52	19♐46	M 1
T 2	3 9 13	15°59'34	19°10	27°28	6°58	16°24	14♋19	16♓31	20♓ 2	11°27	21♊48	1♒31	2°21	15°59	19°52	T 2
W 3	3 13 9	17° 0'16	3♑49	27°58	8°10	17° 7	14°17	16°30	20° 1	11°28	21°47	1°26	2°18	16° 6	19°58	W 3
T 4	3 17 6	18° 0'58	18° 0	28°37	9°22	17°50	14°15	16°29	20° 0	11°30	21°46	1°23	2°15	16°13	20° 4	T 4
F 5	3 21 2	19° 1'42	1♒42	29°23	10°34	18°33	14°13	16°28	19°59	11°31	21°45	1°D23	2°12	16°19	20° 9	F 5
S 6	3 24 59	20° 2'27	14°57	0♏15	11°47	19°16	14°11	16°27	19°58	11°33	21°44	1°R23	2° 8	16°26	20°15	S 6
S 7	3 28 55	21° 3'12	27°48	1°13	12°59	19°59	14° 9	16°26	19°58	11°35	21°43	1°23	2° 5	16°33	20°21	S 7
M 8	3 32 52	22° 3'59	10♓20	2°16	14°12	20°42	14° 6	16°26	19°57	11°36	21°42	1°21	2° 2	16°40	20°27	M 8
T 9	3 36 48	23° 4'47	22°37	3°23	15°24	21°25	14° 4	16°25	19°56	11°38	21°41	1°17	1°59	16°46	20°33	T 9
W10	3 40 45	24° 5'36	4♈43	4°34	16°37	22° 9	14° 1	16°25	19°56	11°39	21°40	1°11	1°56	16°53	20°39	W10
T 11	3 44 42	25° 6'25	16°42	5°48	17°50	22°52	13°58	16°25	19°55	11°41	21°39	1° 1	1°53	17° 0	20°45	T 11
F 12	3 48 38	26° 7'16	28°36	7° 4	19° 3	23°36	13°54	16°24	19°54	11°43	21°38	0°50	1°49	17° 6	20°51	F 12
S 13	3 52 35	27° 8'08	10♉29	8°23	20°16	24°19	13°51	16°D24	19°54	11°45	21°37	0°37	1°46	17°13	20°57	S 13
S 14	3 56 31	28° 9'01	22°21	9°44	21°29	25° 2	13°47	16°24	19°53	11°46	21°36	0°24	1°43	17°20	21° 3	S 14
M15	4 0 28	29° 9'55	4♊15	11° 7	22°42	25°46	13°43	16°25	19°53	11°48	21°35	0°12	1°40	17°27	21° 9	M15
T 16	4 4 24	0♐10'51	16°11	12°31	23°55	26°30	13°39	16°25	19°52	11°50	21°34	0° 2	1°37	17°33	21°16	T 16
W17	4 8 21	1°11'47	28°11	13°56	25° 8	27°13	13°35	16°25	19°52	11°52	21°33	29♑55	1°33	17°40	21°22	W17
T 18	4 12 17	2°12'45	10♋16	15°23	26°22	27°57	13°31	16°26	19°52	11°54	21°32	29°50	1°30	17°47	21°28	T 18
F 19	4 16 14	3°13'43	22°30	16°50	27°35	28°41	13°26	16°26	19°52	11°55	21°31	29°48	1°27	17°53	21°34	F 19
S 20	4 20 11	4°14'43	4♌56	18°18	28°48	29°24	13°21	16°27	19°51	11°57	21°29	29°D48	1°24	18° 0	21°40	S 20
S 21	4 24 7	5°15'44	17°37	19°47	0♏ 2	0♐ 8	13°16	16°28	19°51	11°59	21°28	29°49	1°21	18° 7	21°47	S 21
M22	4 28 4	6°16'46	0♍37	21°16	1°15	0°52	13°11	16°29	19°51	12° 1	21°27	29°R50	1°18	18°14	21°53	M22
T 23	4 32 0	7°17'49	14° 0	22°46	2°29	1°36	13° 6	16°30	19°D51	12° 3	21°26	29°50	1°14	18°20	21°59	T 23
W24	4 35 57	8°18'53	27°48	24°16	3°43	2°20	13° 1	16°31	19°51	12° 5	21°25	29°48	1°11	18°27	22° 5	W24
T 25	4 39 53	9°19'59	12♎ 3	25°46	4°56	3° 4	12°55	16°32	19°51	12° 7	21°24	29°44	1° 8	18°34	22°12	T 25
F 26	4 43 50	10°21'05	26°42	27°17	6°10	3°48	12°49	16°33	19°52	12° 9	21°22	29°38	1° 5	18°40	22°18	F 26
S 27	4 47 46	11°22'12	11♏41	28°48	7°24	4°32	12°44	16°35	19°52	12°11	21°21	29°31	1° 2	18°47	22°24	S 27
S 28	4 51 43	12°23'20	26°52	0♐20	8°38	5°17	12°37	16°36	19°52	12°13	21°20	29°23	0°59	18°54	22°31	S 28
M29	4 55 40	13°24'29	12♐ 5	1°52	9°52	6° 1	12°31	16°38	19°52	12°15	21°19	29°16	0°55	19° 1	22°37	M29
T 30	4 59 36	14♐25'39	27♐ 9	3♐23	11♏ 6	6♐45	12♋25	16♓40	19♓53	12♑17	21♊18	29♑10	0♒52	19♉ 7	22♐44	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s24	25s14	4s14	8s20	2n18	0s39	1n48	16s40	0s 4	22n51	0n 5	7s34	2s26	4s40	0s47	22s27	0n37	17n43	5s35	19s53	19s43	21n27	18s22	4n48
T 2	16 42	26 29	3 23	8 24	2 23	1 6	1 50	16 53	0 4	22 51	0 5	7 35	2 25	4 41	0 46	22 27	0 37	17 43	5 35	19 55	19 43	21 29	18 22	4 48
W 3	16 59	25 50	2 20	8 32	2 25	1 33	1 51	17 6	0 5	22 52	0 5	7 35	2 25	4 41	0 46	22 26	0 37	17 43	5 35	19 56	19 44	21 30	18 23	4 48
T 4	17 17	23 30	1 10	8 45	2 26	2 1	1 52	17 19	0 5	22 52	0 5	7 35	2 25	4 41	0 46	22 26	0 37	17 43	5 35	19 56	19 45	21 32	18 23	4 48
F 5	17 33	19 51	0n 2	9 1	2 26	2 28	1 53	17 31	0 6	22 52	0 5	7 35	2 25	4 42	0 46	22 26	0 37	17 43	5 35	19 57	19 46	21 34	18 24	4 48
S 6	17 50	15 17	1 11	9 20	2 25	2 56	1 54	17 44	0 7	22 53	0 5	7 35	2 25	4 42	0 46	22 26	0 37	17 43	5 35	19 56	19 46	21 36	18 24	4 48
S 7	18 6	10 11	2 15	9 43	2 23	3 23	1 55	17 56	0 7	22 53	0 5	7 35	2 24	4 42	0 46	22 26	0 37	17 43	5 35	19 57	19 47	21 38	18 25	4 48
M 8	18 22	4 47	3 11	10 7	2 21	3 51	1 56	18 8	0 8	22 53	0 6	7 36	2 24	4 42	0 46	22 26	0 37	17 42	5 35	19 57	19 48	21 39	18 25	4 48
T 9	18 38	0n41	3 57	10 33	2 17	4 18	1 56	18 20	0 8	22 54	0 6	7 36	2 24	4 43	0 46	22 26	0 36	17 42	5 35	19 58	19 49	21 41	18 26	4 47
W10	18 53	6 1	4 31	11 1	2 13	4 46	1 57	18 32	0 9	22 54	0 6	7 35	2 24	4 43	0 46	22 26	0 36	17 42	5 35	19 59	19 49	21 43	18 26	4 47
T 11	19 8	11 5	4 53	11 30	2 8	5 13	1 58	18 44	0 10	22 55	0 6	7 35	2 24	4 43	0 46	22 26	0 36	17 42	5 35	20 1	19 50	21 45	18 27	4 47
F 12	19 22	15 43	5 2	12 0	2 3	5 40	1 58	18 55	0 10	22 55	0 6	7 35	2 23	4 43	0 46	22 25	0 36	17 42	5 35	20 4	19 51	21 46	18 27	4 47
S 13	19 36	19 44	4 58	12 31	1 57	6 8	1 58	19 7	0 11	22 56	0 6	7 35	2 23	4 43	0 46	22 25	0 36	17 42	5 35	20 7	19 51	21 48	18 28	4 47
S 14	19 50	22 58	4 41	13 2	1 51	6 35	1 58	19 18	0 12	22 56	0 7	7 35	2 23	4 44	0 46	22 25	0 36	17 42	5 35	20 9	19 52	21 50	18 28	4 47
M15	20 4	25 12	4 11	13 34	1 45	7 2	1 59	19 29	0 12	22 57	0 7	7 35	2 23	4 44	0 46	22 25	0 36	17 42	5 35	20 12	19 53	21 52	18 29	4 47
T 16	20 17	26 19	3 31	14 6	1 39	7 29	1 59	19 40	0 13	22 57	0 7	7 34	2 23	4 44	0 46	22 25	0 36	17 42	5 35	20 14	19 53	21 53	18 29	4 47
W17	20 30	26 13	2 41	14 38	1 32	7 56	1 59	19 51	0 13	22 58	0 7	7 34	2 22	4 44	0 46	22 25	0 36	17 42	5 35	20 16	19 54	21 55	18 30	4 47
T 18	20 42	24 51	1 43	15 10	1 25	8 23	1 58	20 1	0 14	22 59	0 7	7 34	2 22	4 44	0 46	22 25	0 36	17 42	5 35	20 17	19 55	21 57	18 30	4 47
F 19	20 54	22 18	0 39	15 42	1 18	8 49	1 58	20 12	0 15	22 59	0 7	7 33	2 22	4 44	0 46	22 25	0 36	17 42	5 35	20 17	19 56	21 58	18 30	4 47
S 20	21 5	18 40	0s28	16 13	1 11	9 16	1 58	20 22	0 15	23 0	0 7	7 33	2 22	4 44	0 46	22 24	0 36	17 42	5 35	20 17	19 56	22 0	18 31	4 47
S 21	21 17	14 8	1 34	16 44	1 4	9 42	1 57	20 32	0 16	23 1	0 8	7 32	2 21	4 44	0 46	22 24	0 36	17 42	5 35	20 17	19 57	22 2	18 31	4 47
M22	21 27	8 51	2 38	17 15	0 56	10 8	1 57	20 42	0 16	23 1	0 8	7 32	2 21	4 44	0 46	22 24	0 36	17 42	5 35	20 17	19 58	22 3	18 32	4 47
T 23	21 38	3 1	3 35	17 45	0 49	10 34	1 56	20 51	0 17	23 2	0 8	7 31	2 21	4 44	0 46	22 24	0 36	17 42	5 35	20 17	19 58	22 5	18 32	4 47
W24	21 48	3s 6	4 21	18 15	0 42	11 0	1 56	21 1	0 18	23 3	0 8	7 30	2 21	4 44	0 46	22 24	0 36	17 41	5 35	20 17	19 59	22 7	18 32	4 47
T 25	21 57	9 16	4 53	18 44	0 35	11 25	1 55	21 10	0 18	23 3	0 8	7 30	2 21	4 44	0 46	22 24	0 36	17 41	5 35	20 18	20 0	22 8	18 33	4 47
F 26	22 6	15 6	5 7	19 12	0 27	11 51	1 54	21 19	0 19	23 4	0 8	7 29	2 20	4 44	0 46	22 23	0 36	17 41	5 35	20 19	20 1	22 10	18 33	4 47
S 27	22 15	20 10	5 0	19 39	0 20	12 16	1 53	21 28	0 20	23 5	0 9	7 28	2 20	4 44	0 45	22 23	0 36	17 41	5 35	20 21	20 1	22 12	18 33	4 47
S 28	22 23	23 58	4 33	20 6	0 13	12 40	1 52	21 37	0 20	23 5	0 9	7 27	2 20	4 44	0 45	22 23	0 36	17 41	5 35	20 22	20 2	22 13	18 34	4 47
M29	22 31	26 5	3 46	20 32	0 6	13 5	1 51	21 45	0 21	23 6	0 9	7 27	2 20	4 43	0 45	22 23	0 36	17 41	5 35	20 24	20 3	22 15	18 34	4 47
T 30	22s38	26s15	2s44	20s57	0s 1	13s29	1n50	21s53	0s21	23n 7	0n 9	7s26	2s20	4s43	0s45	22s23	0n36	17n41	5s35	20s25	20s 3	22n17	18s34	4n47

Julian Day Number = 2149069.5, Delta T = 14m24s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'36, Lahiri = 12°18'36 Julian Calendar 1 Nov. 1171 == Greg. Calendar 8 Nov. 1171

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ASTRODIENST EPHEMERIS for the year 1171
geocentric

DECEMBER 1171 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 3 33	15♐26'49	11♑54	4♐56	12♏19	7♐30	12°R19	16♓42	19♓53	12♑19	21°R16	29°R 7	0♒49	19♉14	22♐50	W 1
T 2	5 7 29	16°27'59	26°14	6°28	13°33	8°14	12♋12	16°44	19°53	12°21	21♊15	29°D 6	0°46	19°21	22°56	T 2
F 3	5 11 26	17°29'10	10♒ 6	8° 0	14°48	8°58	12° 5	16°46	19°54	12°23	21°14	29♑ 6	0°43	19°27	23° 3	F 3
S 4	5 15 22	18°30'20	23°31	9°33	16° 2	9°43	11°59	16°48	19°55	12°26	21°13	29° 7	0°39	19°34	23° 9	S 4
S 5	5 19 19	19°31'31	6♓29	11° 6	17°16	10°27	11°52	16°50	19°55	12°28	21°12	29° 9	0°36	19°41	23°16	S 5
M 6	5 23 16	20°32'42	19° 5	12°39	18°30	11°12	11°45	16°52	19°56	12°30	21°10	29°R10	0°33	19°48	23°22	M 6
T 7	5 27 12	21°33'53	1♈23	14°13	19°44	11°57	11°37	16°55	19°56	12°32	21° 9	29° 9	0°30	19°54	23°28	T 7
W 8	5 31 9	22°35'04	13°29	15°46	20°58	12°41	11°30	16°58	19°57	12°34	21° 8	29° 7	0°27	20° 1	23°35	W 8
T 9	5 35 5	23°36'14	25°25	17°20	22°12	13°26	11°23	17° 0	19°58	12°36	21° 7	29° 3	0°24	20° 8	23°41	T 9
F 10	5 39 2	24°37'25	7♉17	18°54	23°27	14°11	11°15	17° 3	19°59	12°38	21° 6	28°58	0°20	20°14	23°48	F 10
S 11	5 42 58	25°38'36	19° 9	20°29	24°41	14°55	11° 8	17° 6	20° 0	12°41	21° 4	28°51	0°17	20°21	23°54	S 11
S 12	5 46 55	26°39'47	1♊ 2	22° 3	25°55	15°40	11° 0	17° 9	20° 1	12°43	21° 3	28°45	0°14	20°28	24° 1	S 12
M13	5 50 51	27°40'58	12°59	23°38	27°10	16°25	10°53	17°12	20° 2	12°45	21° 2	28°39	0°11	20°35	24° 7	M13
T 14	5 54 48	28°42'08	25° 2	25°14	28°24	17°10	10°45	17°15	20° 3	12°47	21° 1	28°34	0° 8	20°41	24°13	T 14
W15	5 58 45	29°43'19	7♋12	26°49	29°38	17°55	10°37	17°19	20° 4	12°49	21° 0	28°31	0° 5	20°48	24°20	W15
T 16	6 2 41	0♑44'30	19°31	28°25	0♐53	18°40	10°29	17°22	20° 5	12°52	20°58	28°29	0° 1	20°55	24°26	T 16
F 17	6 6 38	1°45'41	2♌ 0	0♑ 2	2° 7	19°25	10°21	17°25	20° 6	12°54	20°57	28°D29	29♑58	21° 1	24°32	F 17
S 18	6 10 34	2°46'51	14°41	1°38	3°22	20°10	10°13	17°29	20° 8	12°56	20°56	28°30	29°55	21° 8	24°39	S 18
S 19	6 14 31	3°48'02	27°34	3°16	4°36	20°55	10° 5	17°33	20° 9	12°58	20°55	28°31	29°52	21°15	24°45	S 19
M20	6 18 27	4°49'13	10♍42	4°53	5°51	21°40	9°57	17°36	20°10	13° 1	20°54	28°33	29°49	21°22	24°52	M20
T 21	6 22 24	5°50'24	24° 7	6°31	7° 5	22°25	9°49	17°40	20°12	13° 3	20°53	28°34	29°45	21°28	24°58	T 21
W22	6 26 20	6°51'34	7♎51	8° 9	8°20	23°11	9°41	17°44	20°13	13° 5	20°51	28°R35	29°42	21°35	25° 4	W22
T 23	6 30 17	7°52'45	21°53	9°48	9°34	23°56	9°33	17°48	20°15	13° 7	20°50	28°34	29°39	21°42	25°10	T 23
F 24	6 34 14	8°53'56	6♏13	11°28	10°49	24°41	9°25	17°52	20°16	13°10	20°49	28°32	29°36	21°48	25°17	F 24
S 25	6 38 10	9°55'07	20°49	13° 7	12° 3	25°27	9°17	17°57	20°18	13°12	20°48	28°30	29°33	21°55	25°23	S 25
S 26	6 42 7	10°56'17	5♐34	14°47	13°18	26°12	9° 9	18° 1	20°19	13°14	20°47	28°28	29°30	22° 2	25°29	S 26
M27	6 46 3	11°57'28	20°24	16°28	14°33	26°58	9° 1	18° 5	20°21	13°17	20°46	28°26	29°26	22° 9	25°35	M27
T 28	6 50 0	12°58'38	5♑ 9	18° 9	15°47	27°43	8°53	18°10	20°23	13°19	20°45	28°24	29°23	22°15	25°42	T 28
W29	6 53 56	13°59'47	19°43	19°51	17° 2	28°29	8°45	18°14	20°25	13°21	20°43	28°23	29°20	22°22	25°48	W29
T 30	6 57 53	15° 0'56	3♒59	21°32	18°17	29°14	8°37	18°19	20°26	13°23	20°42	28°D23	29°17	22°29	25°54	T 30
F 31	7 1 50	16♑ 2'04	17♒53	23♑15	19♐31	29♐59	8♋29	18♓24	20♓28	13♑26	20♊41	28♑23	29♑14	22♉35	26♐ 0	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s45	24s32	1s32	21s21	0s 8	13s53	1n49	22s 1	0s22	23n 8	0n 9	7s25	2s19	4s43	0s45	22s23	0n36	17n41	5s35	20s26	20s 4	22n18	18s34	4n47
T 2	22 51	21 15	0 15	21 44	0 15	14 16	1 47	22 9	0 23	23 8	0 9	7 24	2 19	4 43	0 45	22 22	0 36	17 41	5 35	20 26	20 5	22 20	18 35	4 47
F 3	22 57	16 50	0n59	22 6	0 22	14 40	1 46	22 17	0 23	23 9	0 9	7 23	2 19	4 43	0 45	22 22	0 36	17 41	5 35	20 26	20 5	22 21	18 35	4 47
S 4	23 3	11 43	2 9	22 27	0 28	15 2	1 45	22 24	0 24	23 10	0 10	7 22	2 19	4 42	0 45	22 22	0 36	17 41	5 35	20 26	20 6	22 23	18 35	4 47
S 5	23 8	6 15	3 9	22 47	0 35	15 25	1 43	22 31	0 24	23 11	0 10	7 21	2 18	4 42	0 45	22 22	0 36	17 41	5 35	20 25	20 7	22 25	18 36	4 47
M 6	23 13	0 41	3 58	23 6	0 41	15 47	1 42	22 38	0 25	23 11	0 10	7 20	2 18	4 42	0 45	22 22	0 36	17 41	5 35	20 25	20 7	22 26	18 36	4 47
T 7	23 17	4n46	4 35	23 23	0 47	16 9	1 40	22 45	0 26	23 12	0 10	7 18	2 18	4 42	0 45	22 22	0 36	17 41	5 35	20 25	20 8	22 28	18 36	4 48
W 8	23 20	9 56	4 59	23 40	0 53	16 30	1 38	22 51	0 26	23 13	0 10	7 17	2 18	4 41	0 45	22 21	0 36	17 41	5 35	20 26	20 9	22 29	18 36	4 48
T 9	23 24	14 41	5 10	23 55	0 59	16 51	1 36	22 58	0 27	23 14	0 10	7 16	2 18	4 41	0 45	22 21	0 36	17 41	5 35	20 27	20 9	22 31	18 36	4 48
F 10	23 26	18 51	5 8	24 9	1 5	17 12	1 35	23 4	0 28	23 15	0 11	7 15	2 17	4 40	0 45	22 21	0 36	17 41	5 35	20 28	20 10	22 33	18 37	4 48
S 11	23 29	22 16	4 52	24 22	1 10	17 32	1 33	23 9	0 28	23 15	0 11	7 13	2 17	4 40	0 45	22 21	0 36	17 41	5 35	20 29	20 11	22 34	18 37	4 48
S 12	23 30	24 45	4 23	24 34	1 16	17 51	1 31	23 15	0 29	23 16	0 11	7 12	2 17	4 40	0 45	22 21	0 36	17 41	5 35	20 30	20 12	22 36	18 37	4 48
M13	23 32	26 9	3 43	24 44	1 21	18 10	1 29	23 20	0 29	23 17	0 11	7 11	2 17	4 39	0 45	22 20	0 36	17 41	5 34	20 31	20 12	22 37	18 37	4 48
T 14	23 32	26 20	2 53	24 53	1 26	18 29	1 27	23 25	0 30	23 18	0 11	7 9	2 17	4 39	0 45	22 20	0 36	17 41	5 34	20 32	20 13	22 39	18 37	4 48
W15	23 33	25 15	1 54	25 1	1 30	18 47	1 25	23 30	0 31	23 19	0 11	7 8	2 16	4 38	0 45	22 20	0 36	17 41	5 34	20 33	20 14	22 40	18 37	4 48
T 16	23 33	22 56	0 49	25 7	1 35	19 5	1 23	23 35	0 31	23 19	0 11	7 6	2 16	4 38	0 45	22 20	0 36	17 41	5 34	20 33	20 14	22 42	18 37	4 49
F 17	23 32	19 29	0s19	25 12	1 39	19 22	1 20	23 39	0 32	23 20	0 12	7 5	2 16	4 37	0 45	22 20	0 36	17 41	5 34	20 34	20 15	22 43	18 38	4 49
S 18	23 31	15 6	1 28	25 15	1 43	19 39	1 18	23 43	0 32	23 21	0 12	7 3	2 16	4 37	0 45	22 19	0 36	17 41	5 34	20 33	20 16	22 45	18 38	4 49
S 19	23 30	9 59	2 33	25 17	1 47	19 55	1 16	23 47	0 33	23 22	0 12	7 1	2 16	4 36	0 45	22 19	0 36	17 41	5 34	20 33	20 16	22 46	18 38	4 49
M20	23 28	4 19	3 32	25 17	1 50	20 10	1 14	23 51	0 34	23 22	0 12	7 0	2 15	4 36	0 45	22 19	0 36	17 41	5 34	20 33	20 17	22 48	18 38	4 49
T 21	23 25	1s38	4 20	25 16	1 53	20 25	1 11	23 54	0 34	23 23	0 12	6 58	2 15	4 35	0 45	22 19	0 36	17 41	5 34	20 32	20 18	22 49	18 38	4 49
W22	23 22	7 38	4 55	25 13	1 56	20 40	1 9	23 57	0 35	23 24	0 12	6 56	2 15	4 34	0 44	22 19	0 36	17 41	5 34	20 32	20 18	22 51	18 38	4 50
T 23	23 19	13 24	5 13	25 9	1 58	20 54	1 6	24 0	0 35	23 25	0 12	6 55	2 15	4 34	0 44	22 18	0 36	17 41	5 34	20 32	20 19	22 52	18 38	4 50
F 24	23 15	18 34	5 12	25 3	2 0	21 7	1 4	24 2	0 36	23 25	0 13	6 53	2 15	4 33	0 44	22 18	0 36	17 41	5 34	20 33	20 20	22 54	18 38	4 50
S 25	23 11	22 43	4 52	24 55	2 2	21 19	1 1	24 5	0 37	23 26	0 13	6 51	2 14	4 32	0 44	22 18	0 36	17 41	5 34	20 33	20 20	22 55	18 38	4 50
S 26	23 6	25 27	4 12	24 46	2 4	21 31	0 59	24 7	0 37	23 27	0 13	6 49	2 14	4 32	0 44	22 18	0 36	17 41	5 33	20 34	20 21	22 57	18 38	4 50
M27	23 0	26 26	3 15	24 35	2 5	21 43	0 56	24 8	0 38	23 27	0 13	6 47	2 14	4 31	0 44	22 18	0 36	17 41	5 33	20 34	20 22	22 58	18 38	4 51
T 28	22 55	25 32	2 5	24 23	2 5	21 54	0 54	24 10	0 38	23 28	0 13	6 45	2 14	4 30	0 44	22 17	0 36	17 41	5 33	20 35	20 22	23 0	18 38	4 51
W29	22 49	22 53	0 48	24 8	2 5	22 4	0 51	24 11	0 39	23 29	0 13	6 43	2 14	4 30	0 44	22 17	0 36	17 41	5 33	20 35	20 23	23 1	18 38	4 51
T 30	22 42	18 51	0n31	23 52	2 5	22 13	0 49	24 12	0 39	23 29	0 13	6 41	2 14	4 29	0 44	22 17	0 36	17 41	5 33	20 35	20 24	23 3	18 38	4 51
F 31	22s35	13s52	1n46	23s35	2s 4	22s22	0n46	24s13	0s40	23n30	0n14	6s39	2s13	4s28	0s44	22s17	0n36	17n41	5s33	20s35	20s24	23n 4	18s38	4n51

Julian Day Number = 2149099.5, Delta T = 14m24s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'40, Lahiri = 12°18'40 Julian Calendar 1 Dec. 1171 == Greg. Calendar 8 Dec. 1171

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

JANUARY 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 5 46	17♑ 3'12	1♓22	24♑57	20♐46	0♑45	8°R21	18♓28	20♓30	13♑28	20°R40	28♑24	29♑11	22♉42	26♐ 6	S 1
S 2	7 9 43	18° 4'18	14°27	26°40	22° 1	1°31	8♋13	18°33	20°32	13°30	20♊39	28°25	29° 7	22°49	26°12	S 2
M 3	7 13 39	19° 5'23	27° 9	28°23	23°15	2°17	8° 5	18°38	20°34	13°33	20°38	28°26	29° 4	22°56	26°18	M 3
T 4	7 17 36	20° 6'27	9♈33	0♒ 6	24°30	3° 3	7°57	18°43	20°36	13°35	20°37	28°27	29° 1	23° 2	26°24	T 4
W 5	7 21 32	21° 7'31	21°41	1°49	25°45	3°48	7°50	18°48	20°38	13°37	20°36	28°R27	28°58	23° 9	26°30	W 5
T 6	7 25 29	22° 8'33	3♉39	3°32	26°59	4°34	7°42	18°54	20°40	13°39	20°35	28°27	28°55	23°16	26°36	T 6
F 7	7 29 25	23° 9'34	15°32	5°14	28°14	5°20	7°34	18°59	20°42	13°42	20°34	28°27	28°51	23°22	26°42	F 7
S 8	7 33 22	24°10'34	27°23	6°56	29°29	6° 6	7°27	19° 4	20°45	13°44	20°33	28°26	28°48	23°29	26°48	S 8
S 9	7 37 19	25°11'32	9♊17	8°37	0♑43	6°52	7°20	19°10	20°47	13°46	20°32	28°25	28°45	23°36	26°54	S 9
M10	7 41 15	26°12'30	21°18	10°18	1°58	7°38	7°12	19°15	20°49	13°48	20°31	28°25	28°42	23°43	27° 0	M10
T 11	7 45 12	27°13'27	3♋28	11°57	3°13	8°24	7° 5	19°21	20°52	13°51	20°30	28°25	28°39	23°49	27° 6	T 11
W12	7 49 8	28°14'22	15°50	13°34	4°28	9°10	6°58	19°26	20°54	13°53	20°29	28°D25	28°36	23°56	27°11	W12
T 13	7 53 5	29°15'16	28°25	15°10	5°42	9°56	6°51	19°32	20°56	13°55	20°28	28°R25	28°32	24° 3	27°17	T 13
F 14	7 57 1	0♒16'09	11♌14	16°42	6°57	10°42	6°44	19°38	20°59	13°57	20°27	28°25	28°29	24° 9	27°23	F 14
S 15	8 0 58	1°17'01	24°17	18°12	8°12	11°28	6°37	19°43	21° 1	13°59	20°27	28°25	28°26	24°16	27°28	S 15
S 16	8 4 54	2°17'52	7♍33	19°38	9°26	12°14	6°31	19°49	21° 4	14° 2	20°26	28°24	28°23	24°23	27°34	S 16
M17	8 8 51	3°18'42	21° 3	21° 0	10°41	13° 0	6°24	19°55	21° 6	14° 4	20°25	28°24	28°20	24°30	27°39	M17
T 18	8 12 48	4°19'30	4♎44	22°18	11°56	13°46	6°18	20° 1	21° 9	14° 6	20°24	28°23	28°17	24°36	27°45	T 18
W19	8 16 44	5°20'18	18°36	23°29	13°11	14°32	6°12	20° 7	21°11	14° 8	20°23	28°23	28°13	24°43	27°50	W19
T 20	8 20 41	6°21'05	2♏38	24°34	14°25	15°19	6° 5	20°13	21°14	14°10	20°22	28°D22	28°10	24°50	27°56	T 20
F 21	8 24 37	7°21'50	16°48	25°32	15°40	16° 5	5°59	20°19	21°17	14°12	20°22	28°22	28° 7	24°56	28° 1	F 21
S 22	8 28 34	8°22'35	1♐ 4	26°22	16°55	16°51	5°54	20°26	21°19	14°15	20°21	28°23	28° 4	25° 3	28° 7	S 22
S 23	8 32 30	9°23'19	15°24	27° 3	18°10	17°38	5°48	20°32	21°22	14°17	20°20	28°24	28° 1	25°10	28°12	S 23
M24	8 36 27	10°24'02	29°43	27°35	19°24	18°24	5°42	20°38	21°25	14°19	20°19	28°25	27°57	25°17	28°17	M24
T 25	8 40 23	11°24'43	13♑59	27°57	20°39	19°10	5°37	20°45	21°28	14°21	20°19	28°26	27°54	25°23	28°22	T 25
W26	8 44 20	12°25'23	28° 8	28° 9	21°54	19°57	5°32	20°51	21°30	14°23	20°18	28°R26	27°51	25°30	28°27	W26
T 27	8 48 17	13°26'02	12♒ 4	28°R11	23° 9	20°43	5°27	20°58	21°33	14°25	20°17	28°26	27°48	25°37	28°32	T 27
F 28	8 52 13	14°26'39	25°45	28° 2	24°23	21°30	5°22	21° 4	21°36	14°27	20°17	28°24	27°45	25°43	28°37	F 28
S 29	8 56 10	15°27'14	9♓ 7	27°42	25°38	22°16	5°17	21°11	21°39	14°29	20°16	28°22	27°42	25°50	28°42	S 29
S 30	9 0 6	16°27'48	22°10	27°13	26°53	23° 2	5°13	21°17	21°42	14°31	20°15	28°20	27°38	25°57	28°47	S 30
M31	9 4 3	17♒28'19	4♈54	26♒35	28♑ 7	23♑49	5♋ 8	21♓24	21♓45	14♑33	20♊15	28♑17	27♑35	26♉ 3	28♐52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s27	8s21	2n53	23s15	2s 3	22s30	0n43	24s13	0s41	23n31	0n14	6s37	2s13	4s27	0s44	22s16	0n36	17n41	5s33	20s34	20s25	23n 5	18s38	4n52
S 2	22 19	2 38	3 48	22 54	2 1	22 38	0 41	24 14	0 41	23 31	0 14	6 35	2 13	4 27	0 44	22 16	0 36	17 41	5 33	20 34	20 26	23 7	18 38	4 52
M 3	22 11	3n 0	4 31	22 31	1 59	22 45	0 38	24 13	0 42	23 32	0 14	6 33	2 13	4 26	0 44	22 16	0 36	17 41	5 33	20 34	20 26	23 8	18 38	4 52
T 4	22 2	8 23	5 0	22 6	1 56	22 51	0 35	24 13	0 42	23 33	0 14	6 31	2 13	4 25	0 44	22 16	0 36	17 41	5 32	20 34	20 27	23 10	18 38	4 52
W 5	21 53	13 21	5 15	21 40	1 52	22 56	0 33	24 12	0 43	23 33	0 14	6 29	2 13	4 24	0 44	22 16	0 35	17 41	5 32	20 34	20 28	23 11	18 38	4 53
T 6	21 43	17 44	5 16	21 12	1 48	23 1	0 30	24 12	0 43	23 34	0 14	6 27	2 12	4 23	0 44	22 15	0 35	17 41	5 32	20 34	20 28	23 12	18 37	4 53
F 7	21 33	21 23	5 3	20 43	1 43	23 5	0 27	24 10	0 44	23 34	0 14	6 24	2 12	4 22	0 44	22 15	0 35	17 41	5 32	20 34	20 29	23 14	18 37	4 53
S 8	21 23	24 10	4 38	20 12	1 38	23 8	0 24	24 9	0 45	23 35	0 15	6 22	2 12	4 21	0 44	22 15	0 35	17 41	5 32	20 34	20 30	23 15	18 37	4 54
S 9	21 12	25 54	4 0	19 40	1 32	23 11	0 22	24 7	0 45	23 35	0 15	6 20	2 12	4 20	0 44	22 15	0 35	17 41	5 32	20 34	20 30	23 17	18 37	4 54
M10	21 0	26 27	3 12	19 6	1 25	23 13	0 19	24 5	0 46	23 36	0 15	6 18	2 12	4 20	0 44	22 14	0 35	17 42	5 32	20 34	20 31	23 18	18 37	4 54
T 11	20 49	25 44	2 14	18 31	1 17	23 14	0 16	24 3	0 46	23 36	0 15	6 15	2 12	4 19	0 44	22 14	0 35	17 42	5 32	20 34	20 31	23 19	18 37	4 54
W12	20 36	23 45	1 9	17 55	1 8	23 15	0 14	24 0	0 47	23 37	0 15	6 13	2 12	4 18	0 44	22 14	0 35	17 42	5 31	20 34	20 32	23 21	18 36	4 55
T 13	20 24	20 34	0s 0	17 18	0 59	23 15	0 11	23 58	0 47	23 37	0 15	6 11	2 11	4 17	0 44	22 14	0 35	17 42	5 31	20 34	20 33	23 22	18 36	4 55
F 14	20 11	16 21	1 11	16 40	0 49	23 14	0 8	23 55	0 48	23 38	0 15	6 8	2 11	4 16	0 44	22 14	0 35	17 42	5 31	20 34	20 33	23 23	18 36	4 55
S 15	19 58	11 18	2 19	16 2	0 38	23 12	0 5	23 51	0 48	23 38	0 15	6 6	2 11	4 15	0 44	22 13	0 35	17 42	5 31	20 34	20 34	23 25	18 36	4 56
S 16	19 44	5 40	3 20	15 24	0 26	23 10	0 3	23 48	0 49	23 39	0 16	6 3	2 11	4 14	0 44	22 13	0 35	17 42	5 31	20 34	20 35	23 26	18 36	4 56
M17	19 30	0s18	4 12	14 46	0 13	23 7	0 0	23 44	0 49	23 39	0 16	6 1	2 11	4 13	0 44	22 13	0 35	17 42	5 31	20 35	20 35	23 27	18 35	4 56
T 18	19 16	6 20	4 50	14 8	0n 0	23 3	0s 3	23 40	0 50	23 40	0 16	5 58	2 11	4 12	0 44	22 13	0 35	17 42	5 31	20 35	20 36	23 29	18 35	4 57
W19	19 1	12 8	5 12	13 31	0 15	22 59	0 5	23 35	0 51	23 40	0 16	5 56	2 11	4 10	0 44	22 12	0 35	17 42	5 30	20 35	20 37	23 30	18 35	4 57
T 20	18 46	17 23	5 16	12 56	0 30	22 54	0 8	23 31	0 51	23 40	0 16	5 53	2 10	4 9	0 44	22 12	0 35	17 42	5 30	20 35	20 37	23 31	18 35	4 57
F 21	18 31	21 44	5 1	12 22	0 45	22 48	0 11	23 26	0 52	23 41	0 16	5 51	2 10	4 8	0 43	22 12	0 35	17 42	5 30	20 35	20 38	23 32	18 34	4 58
S 22	18 15	24 49	4 27	11 50	1 1	22 41	0 13	23 20	0 52	23 41	0 16	5 48	2 10	4 7	0 43	22 12	0 35	17 42	5 30	20 35	20 39	23 34	18 34	4 58
S 23	17 59	26 20	3 36	11 20	1 17	22 34	0 16	23 15	0 53	23 42	0 16	5 46	2 10	4 6	0 43	22 12	0 35	17 43	5 30	20 35	20 39	23 35	18 34	4 58
M24	17 43	26 5	2 32	10 54	1 34	22 26	0 18	23 9	0 53	23 42	0 16	5 43	2 10	4 5	0 43	22 11	0 35	17 43	5 30	20 34	20 40	23 36	18 33	4 59
T 25	17 26	24 7	1 19	10 31	1 51	22 18	0 21	23 3	0 54	23 42	0 17	5 40	2 10	4 4	0 43	22 11	0 35	17 43	5 30	20 34	20 40	23 38	18 33	4 59
W26	17 9	20 39	0 2	10 11	2 7	22 8	0 23	22 57	0 54	23 43	0 17	5 38	2 10	4 3	0 43	22 11	0 35	17 43	5 29	20 34	20 41	23 39	18 33	5 0
T 27	16 52	16 3	1n15	9 56	2 23	21 59	0 26	22 51	0 55	23 43	0 17	5 35	2 10	4 2	0 43	22 11	0 35	17 43	5 29	20 34	20 42	23 40	18 32	5 0
F 28	16 34	10 43	2 25	9 44	2 38	21 48	0 28	22 44	0 55	23 43	0 17	5 32	2 10	4 0	0 43	22 10	0 35	17 43	5 29	20 34	20 42	23 41	18 32	5 0
S 29	16 17	5 0	3 26	9 37	2 53	21 37	0 31	22 37	0 56	23 43	0 17	5 30	2 10	3 59	0 43	22 10	0 35	17 43	5 29	20 35	20 43	23 43	18 32	5 1
S 30	15 58	0n47	4 15	9 35	3 6	21 25	0 33	22 29	0 56	23 44	0 17	5 27	2 9	3 58	0 43	22 10	0 35	17 43	5 29	20 35	20 44	23 44	18 31	5 1
M31	15s40	6n23	4n49	9s37	3n17	21s12	0s35	22s22	0s57	23n44	0n17	5s24	2s 9	3s57	0s43	22s10	0n35	17n43	5s29	20s36	20s44	23n45	18s31	5n 2

Julian Day Number = 2149130.5, Delta T = 14m24s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'44, Lahiri = 12°18'44 Julian Calendar 1 Jan. 1172 == Greg. Calendar 8 Jan. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

FEBRUARY 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 7 59	18♒28'49	17♈20	25°R48	29♉22	24♉36	5°R 4	21♓31	21♓48	14♉35	20°R14	28°R14	27♉32	26♉10	28♐57	T 1
W 2	9 11 56	19°29'18	29°31	24♒55	0♒37	25°22	5♋ 0	21°38	21°51	14°37	20♊14	28♉12	27°29	26°17	29° 2	W 2
T 3	9 15 52	20°29'44	11♉31	23°56	1°52	26° 9	4°56	21°44	21°54	14°39	20°13	28°10	27°26	26°24	29° 6	T 3
F 4	9 19 49	21°30'08	23°24	22°53	3° 6	26°55	4°53	21°51	21°57	14°41	20°13	28°D10	27°23	26°30	29°11	F 4
S 5	9 23 46	22°30'31	5♊15	21°48	4°21	27°42	4°49	21°58	22° 0	14°43	20°12	28°10	27°19	26°37	29°16	S 5
S 6	9 27 42	23°30'51	17°10	20°42	5°36	28°28	4°46	22° 5	22° 3	14°45	20°12	28°12	27°16	26°44	29°20	S 6
M 7	9 31 39	24°31'10	29°12	19°37	6°50	29°15	4°43	22°12	22° 6	14°46	20°11	28°14	27°13	26°50	29°25	M 7
T 8	9 35 35	25°31'26	11♋26	18°35	8° 5	0♒ 2	4°40	22°19	22° 9	14°48	20°11	28°15	27°10	26°57	29°29	T 8
W 9	9 39 32	26°31'40	23°56	17°37	9°20	0°48	4°37	22°26	22°13	14°50	20°10	28°R16	27° 7	27° 4	29°33	W 9
T 10	9 43 28	27°31'53	6♌44	16°43	10°34	1°35	4°35	22°33	22°16	14°52	20°10	28°16	27° 3	27°11	29°37	T 10
F 11	9 47 25	28°32'03	19°52	15°55	11°49	2°22	4°33	22°40	22°19	14°54	20°10	28°14	27° 0	27°17	29°42	F 11
S 12	9 51 21	29°32'12	3♍18	15°13	13° 3	3° 8	4°30	22°47	22°22	14°56	20° 9	28°11	26°57	27°24	29°46	S 12
S 13	9 55 18	0♓32'18	17° 2	14°38	14°18	3°55	4°28	22°55	22°25	14°57	20° 9	28° 7	26°54	27°31	29°50	S 13
M14	9 59 15	1°32'23	1♎ 0	14°10	15°33	4°42	4°27	23° 2	22°29	14°59	20° 9	28° 1	26°51	27°37	29°54	M14
T 15	10 3 11	2°32'26	15° 8	13°49	16°47	5°28	4°25	23° 9	22°32	15° 1	20° 9	27°56	26°48	27°44	29°58	T 15
W16	10 7 8	3°32'28	29°22	13°34	18° 2	6°15	4°24	23°16	22°35	15° 2	20° 8	27°51	26°44	27°51	0♑ 2	W16
T 17	10 11 4	4°32'27	13♏37	13°27	19°16	7° 2	4°23	23°23	22°39	15° 4	20° 8	27°48	26°41	27°57	0° 5	T 17
F 18	10 15 1	5°32'26	27°51	13°D25	20°31	7°49	4°22	23°31	22°42	15° 6	20° 8	27°46	26°38	28° 4	0° 9	F 18
S 19	10 18 57	6°32'22	12♐ 1	13°30	21°46	8°35	4°21	23°38	22°45	15° 7	20° 8	27°D46	26°35	28°11	0°13	S 19
S 20	10 22 54	7°32'17	26° 4	13°41	23° 0	9°22	4°20	23°45	22°48	15° 9	20° 8	27°47	26°32	28°18	0°16	S 20
M21	10 26 50	8°32'11	10♑ 1	13°58	24°15	10° 9	4°20	23°53	22°52	15°10	20° 7	27°49	26°29	28°24	0°20	M21
T 22	10 30 47	9°32'02	23°50	14°20	25°29	10°56	4°D20	24° 0	22°55	15°12	20° 7	27°R50	26°25	28°31	0°23	T 22
W23	10 34 44	10°31'52	7♒30	14°46	26°44	11°43	4°20	24° 8	22°59	15°13	20° 7	27°49	26°22	28°38	0°26	W23
T 24	10 38 40	11°31'40	21° 0	15°18	27°59	12°29	4°20	24°15	23° 2	15°15	20° 7	27°47	26°19	28°44	0°30	T 24
F 25	10 42 37	12°31'25	4♓18	15°54	29°13	13°16	4°21	24°22	23° 5	15°16	20° 7	27°42	26°16	28°51	0°33	F 25
S 26	10 46 33	13°31'09	17°24	16°34	0♓28	14° 3	4°21	24°30	23° 9	15°18	20°D 7	27°36	26°13	28°58	0°36	S 26
S 27	10 50 30	14°30'51	0♈15	17°17	1°42	14°50	4°22	24°37	23°12	15°19	20° 7	27°28	26° 9	29° 4	0°39	S 27
M28	10 54 26	15°30'31	12°51	18° 5	2°57	15°37	4°23	24°45	23°16	15°20	20° 7	27°18	26° 6	29°11	0°42	M28
T 29	10 58 23	16♓30'08	25♈13	18♒55	4♓11	16♒23	4♋24	24♓52	23♓19	15♉22	20♊ 7	27♉10	26♉ 3	29♉18	0♑45	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s21	11n35	5n 9	9s43	3n27	20s59	0s38	22s14	0s57	23n44	0n17	5s21	2s 9	3s56	0s43	22s10	0n35	17n44	5s28	20s37	20s45	23n46	18s31	5n 2	T 1
W 2	15 3	16 15	5 15	9 54	3 35	20 45	0 40	22 6	0 58	23 44	0 17	5 19	2 9	3 54	0 43	22 9	0 35	17 44	5 28	20 37	20 46	23 47	18 30	5 2	W 2
T 3	14 43	20 12	5 6	10 7	3 41	20 31	0 42	21 58	0 58	23 45	0 17	5 16	2 9	3 53	0 43	22 9	0 35	17 44	5 28	20 37	20 46	23 49	18 30	5 3	T 3
F 4	14 24	23 18	4 45	10 24	3 45	20 16	0 44	21 49	0 58	23 45	0 17	5 13	2 9	3 52	0 43	22 9	0 35	17 44	5 28	20 37	20 47	23 50	18 29	5 3	F 4
S 5	14 4	25 24	4 11	10 44	3 46	20 1	0 46	21 41	0 59	23 45	0 18	5 10	2 9	3 51	0 43	22 9	0 35	17 44	5 28	20 37	20 47	23 51	18 29	5 4	S 5
S 6	13 45	26 21	3 27	11 6	3 46	19 44	0 48	21 32	0 59	23 45	0 18	5 8	2 9	3 50	0 43	22 9	0 35	17 44	5 28	20 37	20 48	23 52	18 29	5 4	S 6
M 7	13 24	26 6	2 33	11 29	3 43	19 28	0 50	21 22	1 0	23 46	0 18	5 5	2 9	3 48	0 43	22 8	0 35	17 44	5 28	20 37	20 49	23 53	18 28	5 5	M 7
T 8	13 4	24 34	1 31	11 53	3 37	19 10	0 52	21 13	1 0	23 46	0 18	5 2	2 9	3 47	0 43	22 8	0 35	17 44	5 27	20 36	20 49	23 55	18 28	5 5	T 8
W 9	12 44	21 48	0 24	12 17	3 31	18 53	0 54	21 3	1 1	23 46	0 18	4 59	2 9	3 46	0 43	22 8	0 35	17 45	5 27	20 36	20 50	23 56	18 27	5 6	W 9
T 10	12 23	17 56	0s46	12 41	3 22	18 34	0 56	20 53	1 1	23 46	0 18	4 56	2 9	3 44	0 43	22 8	0 35	17 45	5 27	20 36	20 51	23 57	18 27	5 6	T 10
F 11	12 2	13 6	1 55	13 5	3 12	18 15	0 58	20 43	1 2	23 46	0 18	4 53	2 9	3 43	0 43	22 8	0 35	17 45	5 27	20 36	20 51	23 58	18 26	5 6	F 11
S 12	11 41	7 33	3 0	13 28	3 1	17 56	1 0	20 33	1 2	23 46	0 18	4 50	2 8	3 42	0 43	22 7	0 35	17 45	5 27	20 37	20 52	23 59	18 26	5 7	S 12
S 13	11 20	1 32	3 55	13 49	2 49	17 36	1 2	20 22	1 2	23 47	0 18	4 47	2 8	3 41	0 43	22 7	0 35	17 45	5 26	20 38	20 52	24 0	18 26	5 7	S 13
M14	10 59	4s38	4 37	14 10	2 36	17 15	1 3	20 12	1 3	23 47	0 18	4 45	2 8	3 39	0 43	22 7	0 35	17 45	5 26	20 39	20 53	24 1	18 25	5 8	M14
T 15	10 37	10 39	5 3	14 28	2 23	16 55	1 5	20 1	1 3	23 47	0 18	4 42	2 8	3 38	0 43	22 7	0 35	17 46	5 26	20 40	20 54	24 3	18 25	5 8	T 15
W16	10 15	16 8	5 11	14 46	2 9	16 33	1 7	19 49	1 4	23 47	0 18	4 39	2 8	3 37	0 43	22 7	0 35	17 46	5 26	20 41	20 54	24 4	18 24	5 9	W16
T 17	9 53	20 45	4 59	15 1	1 56	16 11	1 8	19 38	1 4	23 47	0 19	4 36	2 8	3 35	0 43	22 6	0 35	17 46	5 26	20 42	20 55	24 5	18 24	5 9	T 17
F 18	9 31	24 8	4 29	15 15	1 42	15 49	1 10	19 26	1 4	23 47	0 19	4 33	2 8	3 34	0 43	22 6	0 35	17 46	5 26	20 42	20 55	24 6	18 23	5 10	F 18
S 19	9 9	26 1	3 43	15 26	1 28	15 26	1 11	19 14	1 5	23 47	0 19	4 30	2 8	3 33	0 43	22 6	0 35	17 46	5 25	20 42	20 56	24 7	18 23	5 10	S 19
S 20	8 47	26 13	2 44	15 36	1 14	15 3	1 13	19 2	1 5	23 47	0 19	4 27	2 8	3 31	0 43	22 6	0 35	17 46	5 25	20 42	20 57	24 8	18 22	5 11	S 20
M21	8 24	24 45	1 35	15 45	1 1	14 40	1 14	18 50	1 6	23 47	0 19	4 24	2 8	3 30	0 43	22 6	0 35	17 46	5 25	20 42	20 57	24 9	18 22	5 11	M21
T 22	8 2	21 47	0 22	15 51	0 47	14 16	1 15	18 37	1 6	23 47	0 19	4 21	2 8	3 29	0 43	22 5	0 35	17 47	5 25	20 41	20 58	24 10	18 21	5 12	T 22
W23	7 39	17 38	0n52	15 56	0 34	13 51	1 16	18 25	1 6	23 48	0 19	4 18	2 8	3 27	0 43	22 5	0 35	17 47	5 25	20 42	20 58	24 11	18 20	5 12	W23
T 24	7 16	12 38	2 2	15 58	0 22	13 26	1 17	18 12	1 7	23 48	0 19	4 15	2 8	3 26	0 43	22 5	0 35	17 47	5 25	20 42	20 59	24 12	18 20	5 13	T 24
F 25	6 53	7 7	3 4	15 59	0 10	13 1	1 18	17 59	1 7	23 48	0 19	4 12	2 8	3 25	0 43	22 5	0 35	17 47	5 24	20 43	21 0	24 13	18 19	5 13	F 25
S 26	6 30	1 24	3 55	15 59	0s 2	12 36	1 19	17 46	1 7	23 48	0 19	4 9	2 8	3 23	0 43	22 5	0 35	17 47	5 24	20 44	21 0	24 14	18 19	5 14	S 26
S 27	6 7	4n16	4 33	15 56	0 14	12 10	1 20	17 32	1 8	23 48	0 19	4 6	2 8	3 22	0 43	22 5	0 35	17 47	5 24	20 46	21 1	24 15	18 18	5 14	S 27
M28	5 44	9 39	4 57	15 52	0 24	11 44	1 21	17 19	1 8	23 48	0 19	4 3	2 8	3 21	0 43	22 4	0 35	17 48	5 24	20 48	21 1	24 17	18 18	5 15	M28
T 29	5s21	14n33	5n 7	15s46	0s35	11s18	1s22	17s 5	1s 8	23n48	0n19	4s 0	2s 8	3s19	0s43	22s 4	0n35	17n48	5s24	20s49	21s 2	24n18	18s17	5n16	T 29

Julian Day Number = 2149161.5, Delta T = 14m24s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'48, Lahiri = 12°18'49 Julian Calendar 1 Feb. 1172 == Greg. Calendar 8 Feb. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

MARCH 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 2 19	17♓29'43	7♉23	19♒49	5♓26	17♒10	4♋26	25♓ 0	23♓22	15♑23	20♊ 7	27°R 2	26♑ 0	29♉25	0♑48	W 1
T 2	11 6 16	18°29'16	19°22	20°46	6°40	17°57	4°27	25° 7	23°26	15°24	20° 7	26♑55	25°57	29°31	0°50	T 2
F 3	11 10 12	19°28'47	1♊14	21°46	7°55	18°44	4°29	25°15	23°29	15°26	20° 7	26°51	25°54	29°38	0°53	F 3
S 4	11 14 9	20°28'16	13° 5	22°48	9° 9	19°31	4°31	25°23	23°33	15°27	20° 8	26°49	25°50	29°45	0°56	S 4
S 5	11 18 6	21°27'42	24°58	23°53	10°23	20°18	4°33	25°30	23°36	15°28	20° 8	26°D49	25°47	29°51	0°58	S 5
M 6	11 22 2	22°27'05	6♋59	25° 0	11°38	21° 4	4°35	25°38	23°39	15°29	20° 8	26°50	25°44	29°58	1° 0	M 6
T 7	11 25 59	23°26'27	19°13	26° 9	12°52	21°51	4°38	25°45	23°43	15°30	20° 8	26°51	25°41	0♊ 5	1° 3	T 7
W 8	11 29 55	24°25'46	1♌45	27°21	14° 7	22°38	4°41	25°53	23°46	15°31	20° 8	26°R51	25°38	0°11	1° 5	W 8
T 9	11 33 52	25°25'03	14°38	28°34	15°21	23°25	4°43	26° 0	23°50	15°32	20° 9	26°49	25°35	0°18	1° 7	T 9
F 10	11 37 48	26°24'17	27°57	29°50	16°35	24°11	4°46	26° 8	23°53	15°34	20° 9	26°45	25°31	0°25	1° 9	F 10
S 11	11 41 45	27°23'29	11♍40	1♓ 8	17°50	24°58	4°50	26°15	23°57	15°35	20° 9	26°39	25°28	0°32	1°11	S 11
S 12	11 45 41	28°22'39	25°46	2°27	19° 4	25°45	4°53	26°23	24° 0	15°35	20°10	26°31	25°25	0°38	1°13	S 12
M13	11 49 38	29°21'47	10♎11	3°48	20°19	26°32	4°57	26°30	24° 3	15°36	20°10	26°21	25°22	0°45	1°15	M13
T 14	11 53 35	0♈20'53	24°48	5°11	21°33	27°18	5° 0	26°38	24° 7	15°37	20°10	26°11	25°19	0°52	1°17	T 14
W15	11 57 31	1°19'57	9♏29	6°36	22°47	28° 5	5° 4	26°46	24°10	15°38	20°11	26° 2	25°15	0°58	1°18	W15
T 16	12 1 28	2°18'59	24° 7	8° 2	24° 1	28°52	5° 9	26°53	24°14	15°39	20°11	25°55	25°12	1° 5	1°20	T 16
F 17	12 5 24	3°17'59	8♐37	9°30	25°16	29°39	5°13	27° 1	24°17	15°40	20°12	25°50	25° 9	1°12	1°21	F 17
S 18	12 9 21	4°16'58	22°54	11° 0	26°30	0♓25	5°17	27° 8	24°21	15°41	20°12	25°48	25° 6	1°18	1°23	S 18
S 19	12 13 17	5°15'55	6♑55	12°31	27°44	1°12	5°22	27°16	24°24	15°41	20°13	25°D47	25° 3	1°25	1°24	S 19
M20	12 17 14	6°14'50	20°42	14° 4	28°59	1°59	5°27	27°23	24°27	15°42	20°13	25°R48	25° 0	1°32	1°25	M20
T 21	12 21 10	7°13'43	4♒14	15°39	0♈13	2°45	5°32	27°31	24°31	15°43	20°14	25°47	24°56	1°39	1°26	T 21
W22	12 25 7	8°12'35	17°34	17°14	1°27	3°32	5°37	27°38	24°34	15°44	20°14	25°46	24°53	1°45	1°27	W22
T 23	12 29 4	9°11'24	0♓41	18°52	2°41	4°19	5°42	27°46	24°37	15°44	20°15	25°41	24°50	1°52	1°28	T 23
F 24	12 33 0	10°10'12	13°37	20°31	3°56	5° 5	5°47	27°53	24°41	15°45	20°15	25°34	24°47	1°59	1°29	F 24
S 25	12 36 57	11° 8'58	26°22	22°12	5°10	5°52	5°53	28° 1	24°44	15°45	20°16	25°24	24°44	2° 5	1°30	S 25
S 26	12 40 53	12° 7'42	8♈56	23°54	6°24	6°38	5°59	28° 8	24°47	15°46	20°16	25°12	24°40	2°12	1°31	S 26
M27	12 44 50	13° 6'24	21°19	25°38	7°38	7°25	6° 5	28°15	24°51	15°46	20°17	24°58	24°37	2°19	1°31	M27
T 28	12 48 46	14° 5'04	3♉32	27°23	8°52	8°12	6°11	28°23	24°54	15°47	20°18	24°45	24°34	2°25	1°32	T 28
W29	12 52 43	15° 3'41	15°36	29°10	10° 7	8°58	6°17	28°30	24°57	15°47	20°19	24°33	24°31	2°32	1°32	W29
T 30	12 56 39	16° 2'17	27°31	0♈59	11°21	9°45	6°23	28°37	25° 0	15°48	20°19	24°22	24°28	2°39	1°32	T 30
F 31	13 0 36	17♈ 0'51	9♊22	2♈49	12♈35	10♓31	6♋30	28♓45	25♓ 4	15♑48	20♊20	24♑15	24♑25	2♊45	1♑33	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s58	18n47	5n 2	15s39	0s45	10s51	1s23	16s51	1s 9	23n48	0n19	3s57	2s 8	3s18	0s43	22s 4	0n35	17n48	5s24	20s51	21s 3	24n19	18s17	5n16
T 2	4 34	22 12	4 44	15 30	0 55	10 24	1 24	16 37	1 9	23 48	0 19	3 54	2 8	3 16	0 43	22 4	0 36	17 48	5 23	20 52	21 3	24 20	18 16	5 17
F 3	4 11	24 38	4 14	15 19	1 4	9 57	1 24	16 23	1 9	23 48	0 19	3 51	2 8	3 15	0 43	22 4	0 36	17 48	5 23	20 53	21 4	24 21	18 16	5 17
S 4	3 48	25 59	3 33	15 7	1 12	9 29	1 25	16 8	1 10	23 48	0 20	3 48	2 8	3 14	0 43	22 4	0 36	17 49	5 23	20 53	21 4	24 22	18 15	5 18
S 5	3 24	26 9	2 43	14 53	1 21	9 1	1 25	15 53	1 10	23 48	0 20	3 45	2 8	3 12	0 43	22 4	0 36	17 49	5 23	20 53	21 5	24 23	18 14	5 18
M 6	3 0	25 6	1 45	14 38	1 28	8 33	1 26	15 39	1 10	23 48	0 20	3 42	2 8	3 11	0 43	22 3	0 36	17 49	5 23	20 53	21 6	24 24	18 14	5 19
T 7	2 37	22 50	0 41	14 21	1 36	8 5	1 26	15 24	1 10	23 48	0 20	3 39	2 8	3 10	0 43	22 3	0 36	17 49	5 22	20 53	21 6	24 25	18 13	5 19
W 8	2 13	19 26	0s26	14 3	1 42	7 36	1 26	15 9	1 11	23 48	0 20	3 36	2 8	3 8	0 43	22 3	0 36	17 49	5 22	20 53	21 7	24 25	18 13	5 20
T 9	1 50	15 1	1 34	13 43	1 49	7 8	1 27	14 54	1 11	23 48	0 20	3 33	2 8	3 7	0 43	22 3	0 36	17 50	5 22	20 53	21 7	24 26	18 12	5 20
F 10	1 26	9 46	2 38	13 22	1 55	6 39	1 27	14 38	1 11	23 48	0 20	3 30	2 8	3 6	0 43	22 3	0 36	17 50	5 22	20 54	21 8	24 27	18 12	5 21
S 11	1 3	3 54	3 35	12 59	2 0	6 10	1 27	14 23	1 11	23 47	0 20	3 27	2 8	3 4	0 43	22 3	0 36	17 50	5 22	20 55	21 9	24 28	18 11	5 22
S 12	0 39	2s18	4 21	12 35	2 5	5 41	1 27	14 7	1 12	23 47	0 20	3 24	2 8	3 3	0 43	22 3	0 36	17 50	5 22	20 57	21 9	24 29	18 10	5 22
M13	0 15	8 30	4 51	12 10	2 9	5 11	1 27	13 51	1 12	23 47	0 20	3 21	2 8	3 1	0 43	22 2	0 36	17 50	5 21	20 59	21 10	24 30	18 10	5 23
T 14	0n 8	14 20	5 3	11 43	2 13	4 42	1 27	13 35	1 12	23 47	0 20	3 18	2 8	3 0	0 43	22 2	0 36	17 51	5 21	21 1	21 10	24 31	18 9	5 23
W15	0 32	19 22	4 55	11 15	2 17	4 12	1 27	13 19	1 12	23 47	0 20	3 15	2 8	2 59	0 43	22 2	0 36	17 51	5 21	21 2	21 11	24 32	18 9	5 24
T 16	0 56	23 12	4 28	10 45	2 19	3 42	1 27	13 3	1 13	23 47	0 20	3 12	2 8	2 57	0 43	22 2	0 36	17 51	5 21	21 4	21 11	24 33	18 8	5 24
F 17	1 19	25 31	3 43	10 14	2 22	3 13	1 26	12 47	1 13	23 47	0 20	3 9	2 8	2 56	0 43	22 2	0 36	17 51	5 21	21 4	21 12	24 34	18 7	5 25
S 18	1 43	26 7	2 45	9 41	2 24	2 43	1 26	12 31	1 13	23 47	0 20	3 6	2 8	2 55	0 43	22 2	0 36	17 51	5 21	21 5	21 13	24 35	18 7	5 26
S 19	2 6	25 0	1 39	9 8	2 25	2 13	1 26	12 14	1 13	23 47	0 20	3 3	2 8	2 53	0 43	22 2	0 36	17 52	5 20	21 5	21 13	24 36	18 6	5 26
M20	2 30	22 23	0 27	8 33	2 26	1 43	1 25	11 58	1 13	23 47	0 20	3 0	2 8	2 52	0 43	22 2	0 36	17 52	5 20	21 5	21 14	24 37	18 6	5 27
T 21	2 53	18 34	0n45	7 56	2 27	1 12	1 25	11 41	1 14	23 46	0 20	2 57	2 8	2 51	0 43	22 2	0 36	17 52	5 20	21 5	21 14	24 37	18 5	5 27
W22	3 16	13 51	1 53	7 19	2 27	0 42	1 24	11 24	1 14	23 46	0 21	2 54	2 9	2 49	0 43	22 2	0 36	17 52	5 20	21 5	21 15	24 38	18 4	5 28
T 23	3 40	8 35	2 54	6 40	2 26	0 12	1 23	11 7	1 14	23 46	0 21	2 52	2 9	2 48	0 43	22 1	0 36	17 52	5 20	21 6	21 15	24 39	18 4	5 28
F 24	4 3	3 1	3 44	6 0	2 25	0n18	1 23	10 50	1 14	23 46	0 21	2 49	2 9	2 47	0 43	22 1	0 36	17 53	5 20	21 7	21 16	24 40	18 3	5 29
S 25	4 26	2n34	4 23	5 18	2 24	0 48	1 22	10 33	1 14	23 46	0 21	2 46	2 9	2 45	0 43	22 1	0 36	17 53	5 19	21 9	21 17	24 41	18 3	5 30
S 26	4 49	7 58	4 48	4 36	2 22	1 19	1 21	10 16	1 14	23 45	0 21	2 43	2 9	2 44	0 43	22 1	0 36	17 53	5 19	21 12	21 17	24 42	18 2	5 30
M27	5 12	12 58	5 0	3 52	2 19	1 49	1 20	9 59	1 14	23 45	0 21	2 40	2 9	2 43	0 43	22 1	0 36	17 53	5 19	21 14	21 18	24 43	18 2	5 31
T 28	5 35	17 24	4 57	3 7	2 16	2 19	1 19	9 41	1 15	23 45	0 21	2 37	2 9	2 41	0 43	22 1	0 36	17 53	5 19	21 16	21 18	24 43	18 1	5 31
W29	5 58	21 3	4 41	2 21	2 12	2 49	1 18	9 24	1 15	23 45	0 21	2 34	2 9	2 40	0 43	22 1	0 36	17 54	5 19	21 19	21 19	24 44	18 0	5 32
T 30	6 20	23 47	4 12	1 34	2 8	3 19	1 17	9 6	1 15	23 44	0 21	2 31	2 9	2 39	0 43	22 1	0 36	17 54	5 19	21 20	21 19	24 45	18 0	5 33
F 31	6n43	25n28	3n33	0s46	2s 4	3n50	1s16	8s49	1s15	23n44	0n21	2s28	2s 9	2s38	0s43	22s 1	0n36	17n54	5s18	21s22	21s20	24n46	17s59	5n33

Julian Day Number = 2149190.5, Delta T = 14m23s
Ecliptic obliquity = 23°32'53, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'52, Lahiri = 12°18'53 Julian Calendar 1 March 1172 == Greg. Calendar 8 March 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

APRIL 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 33	17♈59'22	21♊11	4♈41	13♈49	11♓18	6♋36	28♓52	25♓ 7	15♑48	20♊21	24°R10	24♑21	2♊52	1♑33	S 1
S 2	13 8 29	18°57'52	3♋ 2	6°34	15° 3	12° 4	6°43	28°59	25°10	15°49	20°21	24♑ 7	24°18	2°59	1°R33	S 2
M 3	13 12 26	19°56'19	15° 1	8°29	16°17	12°50	6°50	29° 7	25°13	15°49	20°22	24° 7	24°15	3° 6	1°33	M 3
T 4	13 16 22	20°54'44	27°12	10°26	17°31	13°37	6°57	29°14	25°17	15°49	20°23	24° 7	24°12	3°12	1°33	T 4
W 5	13 20 19	21°53'07	9♌42	12°24	18°45	14°23	7° 4	29°21	25°20	15°49	20°24	24° 6	24° 9	3°19	1°33	W 5
T 6	13 24 15	22°51'28	22°35	14°24	19°59	15° 9	7°12	29°28	25°23	15°50	20°25	24° 4	24° 6	3°26	1°32	T 6
F 7	13 28 12	23°49'46	5♍55	16°25	21°14	15°56	7°19	29°35	25°26	15°50	20°26	24° 0	24° 2	3°32	1°32	F 7
S 8	13 32 8	24°48'03	19°44	18°27	22°28	16°42	7°27	29°42	25°29	15°50	20°27	23°53	23°59	3°39	1°32	S 8
S 9	13 36 5	25°46'17	4♎ 0	20°32	23°42	17°28	7°35	29°50	25°32	15°50	20°27	23°43	23°56	3°46	1°31	S 9
M10	13 40 2	26°44'30	18°40	22°37	24°56	18°14	7°42	29°57	25°35	15°50	20°28	23°33	23°53	3°52	1°30	M10
T 11	13 43 58	27°42'40	3♏38	24°44	26°10	19° 0	7°50	0♈ 4	25°38	15°R50	20°29	23°21	23°50	3°59	1°30	T 11
W12	13 47 55	28°40'49	18°42	26°51	27°24	19°47	7°59	0°11	25°41	15°50	20°30	23°11	23°46	4° 6	1°29	W12
T 13	13 51 51	29°38'57	3♐44	29° 0	28°37	20°33	8° 7	0°18	25°44	15°50	20°31	23° 3	23°43	4°12	1°28	T 13
F 14	13 55 48	0♑37'03	18°34	1♑ 9	29°51	21°19	8°15	0°24	25°47	15°50	20°32	22°57	23°40	4°19	1°27	F 14
S 15	13 59 44	1°35'07	3♑ 6	3°19	1♑ 5	22° 5	8°24	0°31	25°50	15°50	20°33	22°54	23°37	4°26	1°26	S 15
S 16	14 3 41	2°33'10	17°17	5°29	2°19	22°51	8°32	0°38	25°53	15°50	20°34	22°53	23°34	4°33	1°25	S 16
M17	14 7 37	3°31'12	1♒ 6	7°38	3°33	23°37	8°41	0°45	25°56	15°49	20°35	22°53	23°31	4°39	1°24	M17
T 18	14 11 34	4°29'12	14°35	9°48	4°47	24°23	8°50	0°52	25°59	15°49	20°36	22°53	23°27	4°46	1°23	T 18
W19	14 15 31	5°27'11	27°44	11°57	6° 1	25° 9	8°59	0°58	26° 2	15°49	20°37	22°51	23°24	4°53	1°21	W19
T 20	14 19 27	6°25'08	10♓38	14° 5	7°15	25°55	9° 8	1° 5	26° 5	15°49	20°38	22°47	23°21	4°59	1°20	T 20
F 21	14 23 24	7°23'04	23°18	16°12	8°29	26°40	9°17	1°12	26° 7	15°48	20°40	22°40	23°18	5° 6	1°18	F 21
S 22	14 27 20	8°20'59	5♈46	18°18	9°43	27°26	9°26	1°18	26°10	15°48	20°41	22°31	23°15	5°13	1°17	S 22
S 23	14 31 17	9°18'52	18° 5	20°22	10°57	28°12	9°36	1°25	26°13	15°48	20°42	22°19	23°12	5°19	1°15	S 23
M24	14 35 13	10°16'44	0♉15	22°23	12°11	28°58	9°45	1°31	26°15	15°47	20°43	22° 6	23° 8	5°26	1°13	M24
T 25	14 39 10	11°14'34	12°18	24°23	13°24	29°43	9°55	1°38	26°18	15°47	20°44	21°53	23° 5	5°33	1°12	T 25
W26	14 43 6	12°12'23	24°14	26°20	14°38	0♈29	10° 4	1°44	26°21	15°46	20°45	21°42	23° 2	5°39	1°10	W26
T 27	14 47 3	13°10'11	6♊ 6	28°15	15°52	1°15	10°14	1°50	26°23	15°46	20°46	21°32	22°59	5°46	1° 8	T 27
F 28	14 51 0	14° 7'57	17°54	0♊ 7	17° 6	2° 0	10°24	1°57	26°26	15°45	20°48	21°24	22°56	5°53	1° 6	F 28
S 29	14 54 56	15° 5'41	29°43	1°56	18°20	2°46	10°34	2° 3	26°29	15°45	20°49	21°19	22°52	5°59	1° 4	S 29
S 30	14 58 53	16♉ 3'24	11♋34	3♊43	19♉34	3♈31	10♋44	2♈ 9	26♓31	15♑44	20♊50	21♑17	22♑49	6♊ 6	1♑ 1	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	7n 5	26n 0	2n45	0n 3	1s58	4n20	1s15	8s31	1s15	23n44	0n21	2s26	2s 9	2s36	0s43	22s 1	0n36	17n54	5s18	21s23	21s21	24n47	17s59	5n34			
S 2	7 28	25 20	1 49	0 54	1 53	4 49	1 14	8 13	1 15	23 44	0 21	2 23	2 9	2 35	0 43	22 1	0 36	17 54	5 18	21 23	21 21	24 47	17 58	5 34			
M 3	7 50	23 30	0 48	1 45	1 47	5 19	1 12	7 56	1 15	23 43	0 21	2 20	2 10	2 34	0 43	22 1	0 36	17 55	5 18	21 23	21 22	24 48	17 57	5 35			
T 4	8 12	20 33	0s16	2 37	1 40	5 49	1 11	7 38	1 15	23 43	0 21	2 17	2 10	2 32	0 43	22 1	0 36	17 55	5 18	21 23	21 22	24 49	17 57	5 35			
W 5	8 34	16 35	1 22	3 30	1 33	6 18	1 10	7 20	1 15	23 43	0 21	2 14	2 10	2 31	0 43	22 1	0 36	17 55	5 18	21 23	21 23	24 50	17 56	5 36			
T 6	8 56	11 46	2 24	4 24	1 25	6 48	1 8	7 2	1 15	23 42	0 21	2 12	2 10	2 30	0 43	22 1	0 36	17 55	5 17	21 24	21 23	24 51	17 56	5 37			
F 7	9 17	6 15	3 22	5 18	1 17	7 17	1 7	6 44	1 15	23 42	0 21	2 9	2 10	2 29	0 43	22 1	0 36	17 56	5 17	21 24	21 24	24 51	17 55	5 37			
S 8	9 39	0 16	4 9	6 13	1 8	7 46	1 5	6 26	1 15	23 42	0 21	2 6	2 10	2 28	0 43	22 1	0 36	17 56	5 17	21 26	21 25	24 52	17 55	5 38			
S 9	10 0	5s55	4 43	7 8	1 0	8 15	1 4	6 8	1 15	23 41	0 21	2 3	2 10	2 26	0 43	22 1	0 36	17 56	5 17	21 27	21 25	24 53	17 54	5 38			
M10	10 21	11 57	4 59	8 4	0 50	8 44	1 2	5 50	1 15	23 41	0 21	2 1	2 10	2 25	0 43	22 1	0 36	17 56	5 17	21 29	21 26	24 54	17 54	5 39			
T 11	10 42	17 24	4 56	8 59	0 41	9 12	1 0	5 31	1 15	23 40	0 21	1 58	2 10	2 24	0 43	22 1	0 36	17 56	5 17	21 31	21 26	24 54	17 53	5 39			
W12	11 3	21 49	4 31	9 55	0 31	9 41	0 59	5 13	1 15	23 40	0 22	1 55	2 10	2 23	0 43	22 1	0 36	17 57	5 17	21 33	21 27	24 55	17 52	5 40			
T 13	11 24	24 44	3 49	10 51	0 20	10 9	0 57	4 55	1 15	23 39	0 22	1 53	2 11	2 22	0 43	22 1	0 36	17 57	5 16	21 34	21 27	24 56	17 52	5 41			
F 14	11 44	25 53	2 51	11 46	0 10	10 37	0 55	4 37	1 15	23 39	0 22	1 50	2 11	2 20	0 43	22 1	0 36	17 57	5 16	21 35	21 28	24 57	17 51	5 41			
S 15	12 5	25 13	1 43	12 41	0n 1	11 4	0 53	4 19	1 15	23 38	0 22	1 47	2 11	2 19	0 43	22 1	0 36	17 57	5 16	21 36	21 28	24 57	17 51	5 42			
S 16	12 25	22 55	0 30	13 35	0 11	11 32	0 51	4 0	1 15	23 38	0 22	1 45	2 11	2 18	0 43	22 1	0 36	17 57	5 16	21 36	21 29	24 58	17 50	5 42			
M17	12 45	19 18	0n43	14 28	0 22	11 59	0 49	3 42	1 15	23 37	0 22	1 42	2 11	2 17	0 43	22 1	0 36	17 58	5 16	21 36	21 29	24 59	17 50	5 43			
T 18	13 4	14 45	1 52	15 20	0 32	12 26	0 47	3 24	1 15	23 37	0 22	1 40	2 11	2 16	0 43	22 1	0 36	17 58	5 16	21 36	21 30	24 59	17 49	5 43			
W19	13 24	9 36	2 53	16 10	0 43	12 52	0 45	3 5	1 15	23 36	0 22	1 37	2 11	2 15	0 43	22 1	0 36	17 58	5 16	21 36	21 31	25 0	17 49	5 44			
T 20	13 43	4 9	3 44	16 59	0 53	13 19	0 43	2 47	1 15	23 36	0 22	1 35	2 12	2 14	0 43	22 1	0 36	17 58	5 15	21 37	21 31	25 1	17 48	5 44			
F 21	14 2	1n21	4 23	17 46	1 3	13 45	0 41	2 28	1 15	23 35	0 22	1 32	2 12	2 13	0 43	22 1	0 36	17 58	5 15	21 38	21 32	25 1	17 48	5 45			
S 22	14 21	6 43	4 49	18 31	1 13	14 10	0 39	2 10	1 15	23 35	0 22	1 30	2 12	2 11	0 43	22 1	0 36	17 59	5 15	21 40	21 32	25 2	17 47	5 45			
S 23	14 40	11 44	5 0	19 14	1 22	14 35	0 37	1 52	1 15	23 34	0 22	1 27	2 12	2 10	0 43	22 1	0 36	17 59	5 15	21 41	21 33	25 3	17 47	5 46			
M24	14 58	16 15	4 58	19 54	1 30	15 0	0 35	1 33	1 15	23 33	0 22	1 25	2 12	2 9	0 43	22 1	0 36	17 59	5 15	21 43	21 33	25 3	17 46	5 46			
T 25	15 16	20 4	4 43	20 32	1 38	15 25	0 33	1 15	1 15	23 33	0 22	1 22	2 12	2 8	0 43	22 1	0 36	17 59	5 15	21 46	21 34	25 4	17 46	5 47			
W26	15 34	23 2	4 15	21 8	1 46	15 49	0 31	0 57	1 15	23 32	0 22	1 20	2 13	2 7	0 43	22 1	0 36	18 0	5 15	21 47	21 34	25 4	17 45	5 47			
T 27	15 52	24 58	3 36	21 41	1 53	16 13	0 28	0 38	1 14	23 31	0 22	1 18	2 13	2 6	0 43	22 1	0 36	18 0	5 15	21 49	21 35	25 5	17 45	5 48			
F 28	16 9	25 47	2 48	22 12	1 59	16 36	0 26	0 20	1 14	23 31	0 22	1 15	2 13	2 5	0 43	22 1	0 36	18 0	5 14	21 50	21 35	25 6	17 44	5 48			
S 29	16 26	25 25	1 52	22 40	2 4	16 59	0 24	0 2	1 14	23 30	0 22	1 13	2 13	2 4	0 43	22 1	0 36	18 0	5 14	21 51	21 36	25 6	17 44	5 49			
S 30	16n43	23n54	0n52	23n 6	2n 9	17n21	0s22	0n17	1s14	23n29	0n22	1s11	2s13	2s 3	0s43	22s 1	0n36	18n 0	5s14	21s51	21s36	25n 7	17s43	5n49			

Julian Day Number = 2149221.5, Delta T = 14m23s
Ecliptic obliquity = 23°32'52, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°11'57, Lahiri = 12°18'57 Julian Calendar 1 Apr. 1172 == Greg. Calendar 8 Apr. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

MAY 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 2 49	17♉ 1'06	23♋33	5♊26	20♉47	4♈17	10♋54	2♈15	26♓33	15°R43	20♊51	21°D17	22♑46	6♊13	0°R59	M 1
T 2	15 6 46	17°58'45	5♌44	7° 6	22° 1	5° 2	11° 4	2°21	26°36	15♑43	20°53	21♑17	22°43	6°20	0♑57	T 2
W 3	15 10 42	18°56'24	18°11	8°43	23°15	5°47	11°15	2°27	26°38	15°42	20°54	21°R18	22°40	6°26	0°54	W 3
T 4	15 14 39	19°54'00	1♍ 1	10°17	24°29	6°33	11°25	2°33	26°41	15°41	20°55	21°17	22°37	6°33	0°52	T 4
F 5	15 18 35	20°51'35	14°17	11°48	25°42	7°18	11°36	2°39	26°43	15°41	20°56	21°15	22°33	6°40	0°49	F 5
S 6	15 22 32	21°49'08	28° 2	13°15	26°56	8° 3	11°46	2°45	26°45	15°40	20°58	21°10	22°30	6°46	0°47	S 6
S 7	15 26 28	22°46'40	12♎16	14°39	28°10	8°48	11°57	2°51	26°48	15°39	20°59	21° 4	22°27	6°53	0°44	S 7
M 8	15 30 25	23°44'11	26°58	16° 0	29°24	9°33	12° 8	2°57	26°50	15°38	21° 0	20°56	22°24	7° 0	0°41	M 8
T 9	15 34 22	24°41'40	12♏ 0	17°17	0♊37	10°18	12°19	3° 2	26°52	15°37	21° 2	20°47	22°21	7° 6	0°39	T 9
W10	15 38 18	25°39'09	27°14	18°31	1°51	11° 3	12°30	3° 8	26°54	15°37	21° 3	20°39	22°17	7°13	0°36	W10
T 11	15 42 15	26°36'36	12♐29	19°41	3° 5	11°48	12°41	3°13	26°56	15°36	21° 4	20°33	22°14	7°20	0°33	T 11
F 12	15 46 11	27°34'02	27°35	20°48	4°18	12°33	12°52	3°19	26°58	15°35	21° 6	20°29	22°11	7°26	0°30	F 12
S 13	15 50 8	28°31'28	12♑23	21°51	5°32	13°18	13° 3	3°24	27° 0	15°34	21° 7	20°27	22° 8	7°33	0°27	S 13
S 14	15 54 4	29°28'53	26°48	22°51	6°46	14° 2	13°14	3°30	27° 2	15°33	21° 8	20°D27	22° 5	7°40	0°24	S 14
M15	15 58 1	0♊26'16	10♒47	23°47	7°59	14°47	13°25	3°35	27° 4	15°32	21°10	20°28	22° 2	7°46	0°21	M15
T 16	16 1 58	1°23'40	24°20	24°38	9°13	15°32	13°37	3°40	27° 6	15°31	21°11	20°29	21°58	7°53	0°18	T 16
W17	16 5 54	2°21'02	7♓31	25°26	10°27	16°16	13°48	3°45	27° 8	15°30	21°13	20°R29	21°55	8° 0	0°15	W17
T 18	16 9 51	3°18'24	20°20	26°10	11°40	17° 1	14° 0	3°50	27°10	15°29	21°14	20°27	21°52	8° 7	0°11	T 18
F 19	16 13 47	4°15'45	2♈53	26°50	12°54	17°45	14°11	3°55	27°12	15°28	21°15	20°24	21°49	8°13	0° 8	F 19
S 20	16 17 44	5°13'06	15°12	27°26	14° 8	18°30	14°23	4° 0	27°14	15°26	21°17	20°19	21°46	8°20	0° 5	S 20
S 21	16 21 40	6°10'26	27°21	27°58	15°21	19°14	14°35	4° 5	27°15	15°25	21°18	20°12	21°43	8°27	0° 1	S 21
M22	16 25 37	7° 7'46	9♉21	28°25	16°35	19°59	14°46	4°10	27°17	15°24	21°20	20° 4	21°39	8°33	29♐58	M22
T 23	16 29 33	8° 5'05	21°16	28°48	17°49	20°43	14°58	4°14	27°19	15°23	21°21	19°56	21°36	8°40	29°55	T 23
W24	16 33 30	9° 2'24	3♊ 7	29° 6	19° 2	21°27	15°10	4°19	27°20	15°22	21°22	19°49	21°33	8°47	29°51	W24
T 25	16 37 27	9°59'41	14°56	29°20	20°16	22°11	15°22	4°24	27°22	15°21	21°24	19°43	21°30	8°53	29°47	T 25
F 26	16 41 23	10°56'59	26°45	29°29	21°29	22°55	15°34	4°28	27°23	15°19	21°25	19°39	21°27	9° 0	29°44	F 26
S 27	16 45 20	11°54'15	8♋37	29°33	22°43	23°39	15°46	4°32	27°25	15°18	21°27	19°36	21°23	9° 7	29°40	S 27
S 28	16 49 16	12°51'31	20°32	29°R34	23°57	24°23	15°58	4°37	27°26	15°17	21°28	19°D36	21°20	9°13	29°37	S 28
M29	16 53 13	13°48'46	2♌36	29°29	25°10	25° 7	16°10	4°41	27°27	15°15	21°30	19°36	21°17	9°20	29°33	M29
T 30	16 57 9	14°46'01	14°51	29°20	26°24	25°51	16°23	4°45	27°29	15°14	21°31	19°38	21°14	9°27	29°29	T 30
W31	17 1 6	15♊43'14	27♌21	29♊ 7	27♊37	26♈35	16♋35	4♈49	27♓30	15♑13	21♊33	19♑39	21♑11	9♊33	29♐26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 0	21n17	0s12	23n29	2n13	17n43	0s19	0n35	1s14	23n28	0n22	1s 8	2s13	2s 2	0s43	22s 1	0n36	18n 1	5s14	21s51	21s37	25n 8	17s43	5n50
T 2	17 16	17 41	1 16	23 49	2 16	18 5	0 17	0 53	1 14	23 27	0 23	1 6	2 14	2 1	0 43	22 1	0 36	18 1	5 14	21 51	21 37	25 8	17 42	5 50
W 3	17 32	13 15	2 19	24 8	2 18	18 26	0 15	1 11	1 13	23 27	0 23	1 4	2 14	2 0	0 43	22 1	0 36	18 1	5 14	21 51	21 38	25 9	17 42	5 51
T 4	17 48	8 7	3 16	24 23	2 19	18 47	0 12	1 29	1 13	23 26	0 23	1 2	2 14	1 59	0 43	22 1	0 36	18 1	5 14	21 51	21 39	25 9	17 41	5 51
F 5	18 3	2 27	4 4	24 37	2 20	19 7	0 10	1 47	1 13	23 25	0 23	0 59	2 14	1 59	0 44	22 2	0 36	18 1	5 14	21 52	21 39	25 10	17 41	5 52
S 6	18 18	3s30	4 41	24 48	2 20	19 26	0 8	2 5	1 13	23 24	0 23	0 57	2 14	1 58	0 44	22 2	0 36	18 2	5 13	21 52	21 40	25 10	17 41	5 52
S 7	18 33	9 30	5 2	24 58	2 19	19 45	0 5	2 24	1 13	23 23	0 23	0 55	2 14	1 57	0 44	22 2	0 36	18 2	5 13	21 53	21 40	25 11	17 40	5 53
M 8	18 47	15 9	5 4	25 5	2 17	20 4	0 3	2 42	1 12	23 22	0 23	0 53	2 15	1 56	0 44	22 2	0 36	18 2	5 13	21 55	21 41	25 11	17 40	5 53
T 9	19 2	20 1	4 45	25 10	2 14	20 22	0 0	2 59	1 12	23 21	0 23	0 51	2 15	1 55	0 44	22 2	0 36	18 2	5 13	21 56	21 41	25 12	17 39	5 53
W10	19 16	23 37	4 6	25 13	2 11	20 39	0n 2	3 17	1 12	23 20	0 23	0 49	2 15	1 54	0 44	22 2	0 36	18 2	5 13	21 57	21 42	25 13	17 39	5 54
T 11	19 29	25 31	3 9	25 15	2 6	20 56	0 4	3 35	1 12	23 19	0 23	0 47	2 15	1 53	0 44	22 2	0 36	18 2	5 13	21 58	21 42	25 13	17 39	5 54
F 12	19 42	25 31	2 0	25 15	2 1	21 13	0 7	3 53	1 11	23 18	0 23	0 45	2 15	1 53	0 44	22 2	0 36	18 3	5 13	21 59	21 43	25 14	17 38	5 55
S 13	19 55	23 41	0 43	25 13	1 55	21 28	0 9	4 11	1 11	23 17	0 23	0 43	2 16	1 52	0 44	22 2	0 36	18 3	5 13	21 59	21 43	25 14	17 38	5 55
S 14	20 8	20 20	0n34	25 9	1 48	21 44	0 12	4 28	1 11	23 16	0 23	0 41	2 16	1 51	0 44	22 2	0 36	18 3	5 13	21 59	21 44	25 15	17 37	5 55
M15	20 20	15 53	1 47	25 5	1 41	21 58	0 14	4 46	1 11	23 15	0 23	0 39	2 16	1 50	0 44	22 2	0 36	18 3	5 13	21 59	21 44	25 15	17 37	5 56
T 16	20 32	10 46	2 52	24 58	1 32	22 12	0 16	5 4	1 10	23 14	0 23	0 37	2 16	1 50	0 44	22 3	0 36	18 3	5 12	21 59	21 45	25 16	17 37	5 56
W17	20 44	5 18	3 46	24 51	1 23	22 25	0 19	5 21	1 10	23 13	0 23	0 35	2 17	1 49	0 44	22 3	0 36	18 4	5 12	21 59	21 45	25 16	17 36	5 56
T 18	20 55	0n15	4 27	24 42	1 13	22 38	0 21	5 38	1 10	23 12	0 23	0 33	2 17	1 48	0 44	22 3	0 36	18 4	5 12	21 59	21 46	25 17	17 36	5 57
F 19	21 6	5 39	4 54	24 33	1 2	22 50	0 23	5 56	1 9	23 11	0 23	0 32	2 17	1 47	0 44	22 3	0 36	18 4	5 12	21 59	21 46	25 17	17 36	5 57
S 20	21 16	10 44	5 7	24 22	0 50	23 2	0 26	6 13	1 9	23 9	0 23	0 30	2 17	1 47	0 44	22 3	0 36	18 4	5 12	22 0	21 47	25 17	17 35	5 58
S 21	21 26	15 19	5 6	24 10	0 38	23 12	0 28	6 30	1 9	23 8	0 24	0 28	2 17	1 46	0 44	22 3	0 36	18 4	5 12	22 1	21 47	25 18	17 35	5 58
M22	21 36	19 16	4 51	23 57	0 25	23 22	0 30	6 47	1 8	23 7	0 24	0 27	2 18	1 45	0 44	22 3	0 36	18 4	5 12	22 2	21 48	25 18	17 35	5 58
T 23	21 45	22 24	4 24	23 44	0 11	23 32	0 33	7 4	1 8	23 6	0 24	0 25	2 18	1 45	0 44	22 3	0 36	18 5	5 12	22 4	21 48	25 19	17 34	5 58
W24	21 54	24 34	3 45	23 30	0s 3	23 40	0 35	7 21	1 8	23 4	0 24	0 23	2 18	1 44	0 44	22 4	0 36	18 5	5 12	22 5	21 49	25 19	17 34	5 59
T 25	22 3	25 37	2 57	23 15	0 18	23 48	0 37	7 38	1 7	23 3	0 24	0 22	2 18	1 44	0 44	22 4	0 36	18 5	5 12	22 6	21 49	25 20	17 34	5 59
F 26	22 11	25 31	2 1	22 59	0 33	23 56	0 40	7 55	1 7	23 2	0 24	0 20	2 19	1 43	0 44	22 4	0 36	18 5	5 12	22 6	21 50	25 20	17 33	5 59
S 27	22 19	24 15	1 0	22 44	0 49	24 2	0 42	8 12	1 7	23 0	0 24	0 19	2 19	1 43	0 44	22 4	0 36	18 5	5 12	22 6	21 50	25 20	17 33	6 0
S 28	22 27	21 53	0s 5	22 27	1 6	24 8	0 44	8 28	1 6	22 59	0 24	0 17	2 19	1 42	0 44	22 4	0 36	18 5	5 12	22 7	21 51	25 21	17 33	6 0
M29	22 34	18 31	1 10	22 11	1 22	24 14	0 46	8 45	1 6	22 58	0 24	0 16	2 19	1 42	0 44	22 4	0 36	18 6	5 11	22 6	21 51	25 21	17 33	6 0
T 30	22 40	14 19	2 14	21 54	1 39	24 18	0 48	9 1	1 5	22 56	0 24	0 14	2 20	1 41	0 44	22 4	0 36	18 6	5 11	22 6	21 52	25 22	17 32	6 0
W31	22n47	9n27	3s12	21n37	1s55	24n22	0n50	9n17	1s 5	22n55	0n24	0s13	2s20	1s41	0s44	22s 5	0n36	18n 6	5s11	22s 6	21s52	25n22	17s32	6n 1

Julian Day Number = 2149251.5, Delta T = 14m23s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'01, Lahiri = 12°19'01 Julian Calendar 1 May 1172 == Greg. Calendar 8 May 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

JUNE 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 2	16♊40'27	10♍11	28°R50	28♊51	27♈18	16♋47	4♈53	27♓31	15°R11	21♊34	19♉40	21♉ 8	9♊40	29°R22	T 1
F 2	17 8 59	17°37'39	23°23	28♊29	0♋ 5	28° 2	17° 0	4°57	27°32	15♉10	21°35	19°R40	21° 4	9°47	29♐18	F 2
S 3	17 12 56	18°34'51	7♎ 1	28° 5	1°18	28°46	17°12	5° 1	27°33	15° 9	21°37	19°39	21° 1	9°53	29°14	S 3
S 4	17 16 52	19°32'02	21° 6	27°38	2°32	29°29	17°25	5° 5	27°35	15° 7	21°38	19°37	20°58	10° 0	29°11	S 4
M 5	17 20 49	20°29'12	5♏37	27° 8	3°45	0♉12	17°37	5° 8	27°36	15° 6	21°40	19°33	20°55	10° 7	29° 7	M 5
T 6	17 24 45	21°26'22	20°30	26°35	4°59	0°56	17°50	5°12	27°37	15° 4	21°41	19°29	20°52	10°13	29° 3	T 6
W 7	17 28 42	22°23'32	5♐37	26° 1	6°12	1°39	18° 2	5°15	27°37	15° 3	21°43	19°26	20°49	10°20	28°59	W 7
T 8	17 32 38	23°20'41	20°50	25°26	7°26	2°22	18°15	5°19	27°38	15° 1	21°44	19°23	20°45	10°27	28°55	T 8
F 9	17 36 35	24°17'50	5♑59	24°50	8°39	3° 5	18°27	5°22	27°39	15° 0	21°46	19°21	20°42	10°33	28°51	F 9
S 10	17 40 31	25°14'59	20°54	24°14	9°53	3°48	18°40	5°25	27°40	14°58	21°47	19°D21	20°39	10°40	28°48	S 10
S 11	17 44 28	26°12'08	5♒28	23°39	11° 6	4°31	18°53	5°28	27°41	14°57	21°49	19°21	20°36	10°47	28°44	S 11
M12	17 48 25	27° 9'17	19°37	23° 6	12°20	5°14	19° 6	5°31	27°42	14°55	21°50	19°23	20°33	10°54	28°40	M12
T 13	17 52 21	28° 6'26	3♓20	22°34	13°33	5°57	19°18	5°34	27°42	14°54	21°52	19°24	20°29	11° 0	28°36	T 13
W14	17 56 18	29° 3'36	16°36	22° 5	14°47	6°40	19°31	5°37	27°43	14°52	21°53	19°25	20°26	11° 7	28°32	W14
T 15	18 0 14	0♋ 0'45	29°29	21°38	16° 0	7°23	19°44	5°40	27°43	14°51	21°54	19°R26	20°23	11°14	28°28	T 15
F 16	18 4 11	0°57'55	12♈ 1	21°15	17°13	8° 5	19°57	5°42	27°44	14°49	21°56	19°25	20°20	11°20	28°24	F 16
S 17	18 8 7	1°55'06	24°18	20°56	18°27	8°48	20°10	5°45	27°44	14°48	21°57	19°24	20°17	11°27	28°20	S 17
S 18	18 12 4	2°52'17	6♉22	20°41	19°40	9°30	20°23	5°47	27°45	14°46	21°59	19°22	20°14	11°34	28°17	S 18
M19	18 16 0	3°49'28	18°17	20°31	20°54	10°13	20°36	5°50	27°45	14°44	22° 0	19°20	20°10	11°40	28°13	M19
T 20	18 19 57	4°46'39	0♊ 8	20°25	22° 7	10°55	20°49	5°52	27°45	14°43	22° 2	19°18	20° 7	11°47	28° 9	T 20
W21	18 23 54	5°43'51	11°57	20°D24	23°21	11°37	21° 2	5°54	27°46	14°41	22° 3	19°16	20° 4	11°54	28° 5	W21
T 22	18 27 50	6°41'04	23°47	20°29	24°34	12°19	21°15	5°56	27°46	14°40	22° 5	19°14	20° 1	12° 0	28° 1	T 22
F 23	18 31 47	7°38'16	5♋39	20°38	25°47	13° 1	21°28	5°58	27°46	14°38	22° 6	19°13	19°58	12° 7	27°58	F 23
S 24	18 35 43	8°35'29	17°38	20°54	27° 1	13°43	21°41	6° 0	27°46	14°36	22° 7	19°D13	19°55	12°14	27°54	S 24
S 25	18 39 40	9°32'42	29°43	21°14	28°14	14°25	21°54	6° 2	27°46	14°35	22° 9	19°13	19°51	12°20	27°50	S 25
M26	18 43 36	10°29'56	11♌58	21°40	29°28	15° 7	22° 7	6° 3	27°R46	14°33	22°10	19°14	19°48	12°27	27°46	M26
T 27	18 47 33	11°27'10	24°24	22°11	0♌41	15°49	22°20	6° 5	27°46	14°32	22°12	19°14	19°45	12°34	27°43	T 27
W28	18 51 30	12°24'23	7♍ 4	22°48	1°54	16°31	22°34	6° 6	27°46	14°30	22°13	19°15	19°42	12°40	27°39	W28
T 29	18 55 26	13°21'38	20° 1	23°30	3° 8	17°12	22°47	6° 8	27°46	14°28	22°14	19°16	19°39	12°47	27°35	T 29
F 30	18 59 23	14♋18'52	3♎15	24♊17	4♌21	17♉54	23♋ 0	6♈ 9	27♓46	14♉27	22♊16	19♉16	19♉35	12♊54	27♐32	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	4n 3	4s 2	21n21	2s12	24n25	0n52	9n33	1s 5	22n53	0n24	0s11	2s20	1s40	0s44	22s 5	0n36	18n 6	5s11	22s 6	21s53	25n22	17s32	6n 1
F 2	22 58	1s39	4 41	21 4	2 28	24 27	0 54	9 49	1 4	22 52	0 24	0 10	2 20	1 40	0 44	22 5	0 36	18 6	5 11	22 6	21 53	25 23	17 32	6 1
S 3	23 3	7 28	5 6	20 48	2 44	24 29	0 56	10 5	1 4	22 50	0 24	0 9	2 21	1 39	0 44	22 5	0 36	18 6	5 11	22 6	21 54	25 23	17 31	6 1
S 4	23 8	13 6	5 13	20 32	3 0	24 30	0 58	10 21	1 3	22 49	0 24	0 8	2 21	1 39	0 44	22 5	0 36	18 6	5 11	22 6	21 54	25 23	17 31	6 1
M 5	23 12	18 11	5 1	20 16	3 15	24 30	1 0	10 37	1 3	22 47	0 24	0 6	2 21	1 38	0 44	22 5	0 36	18 7	5 11	22 7	21 55	25 24	17 31	6 2
T 6	23 16	22 16	4 29	20 2	3 29	24 29	1 2	10 53	1 2	22 45	0 24	0 5	2 21	1 38	0 45	22 6	0 36	18 7	5 11	22 7	21 55	25 24	17 31	6 2
W 7	23 20	24 54	3 37	19 48	3 42	24 28	1 4	11 8	1 2	22 44	0 25	0 4	2 22	1 38	0 45	22 6	0 36	18 7	5 11	22 8	21 56	25 24	17 31	6 2
T 8	23 23	25 44	2 30	19 35	3 54	24 26	1 6	11 23	1 1	22 42	0 25	0 3	2 22	1 37	0 45	22 6	0 36	18 7	5 11	22 8	21 56	25 25	17 30	6 2
F 9	23 25	24 38	1 13	19 22	4 4	24 23	1 7	11 39	1 1	22 41	0 25	0 2	2 22	1 37	0 45	22 6	0 36	18 7	5 11	22 9	21 57	25 25	17 30	6 2
S 10	23 28	21 46	0n 9	19 12	4 14	24 20	1 9	11 54	1 0	22 39	0 25	0 1	2 22	1 37	0 45	22 6	0 36	18 7	5 11	22 9	21 57	25 25	17 30	6 2
S 11	23 30	17 34	1 28	19 2	4 22	24 15	1 11	12 9	1 0	22 37	0 25	0n 0	2 23	1 37	0 45	22 6	0 36	18 7	5 11	22 9	21 58	25 26	17 30	6 2
M12	23 31	12 29	2 39	18 54	4 29	24 10	1 12	12 24	0 59	22 35	0 25	0 1	2 23	1 36	0 45	22 7	0 36	18 8	5 11	22 8	21 58	25 26	17 30	6 3
T 13	23 32	6 55	3 39	18 47	4 34	24 5	1 14	12 38	0 59	22 34	0 25	0 2	2 23	1 36	0 45	22 7	0 36	18 8	5 11	22 8	21 59	25 26	17 30	6 3
W14	23 33	1 14	4 25	18 42	4 37	23 58	1 15	12 53	0 58	22 32	0 25	0 3	2 23	1 36	0 45	22 7	0 36	18 8	5 11	22 8	21 59	25 27	17 30	6 3
T 15	23 33	4n20	4 57	18 38	4 39	23 51	1 17	13 8	0 58	22 30	0 25	0 4	2 24	1 36	0 45	22 7	0 36	18 8	5 11	22 8	22 0	25 27	17 29	6 3
F 16	23 33	9 34	5 13	18 36	4 40	23 44	1 18	13 22	0 57	22 28	0 25	0 4	2 24	1 36	0 45	22 7	0 36	18 8	5 11	22 8	22 0	25 27	17 29	6 3
S 17	23 32	14 19	5 14	18 36	4 39	23 35	1 20	13 36	0 57	22 26	0 25	0 5	2 24	1 35	0 45	22 8	0 36	18 8	5 11	22 8	22 1	25 27	17 29	6 3
S 18	23 31	18 27	5 2	18 38	4 36	23 26	1 21	13 50	0 56	22 25	0 25	0 6	2 25	1 35	0 45	22 8	0 36	18 8	5 10	22 8	22 1	25 28	17 29	6 3
M19	23 30	21 46	4 36	18 41	4 32	23 16	1 22	14 4	0 56	22 23	0 25	0 7	2 25	1 35	0 45	22 8	0 36	18 8	5 10	22 9	22 1	25 28	17 29	6 3
T 20	23 28	24 10	3 59	18 45	4 27	23 6	1 23	14 18	0 55	22 21	0 25	0 7	2 25	1 35	0 45	22 8	0 36	18 8	5 10	22 9	22 2	25 28	17 29	6 3
W21	23 25	25 30	3 12	18 52	4 21	22 54	1 24	14 32	0 54	22 19	0 25	0 8	2 25	1 35	0 45	22 8	0 36	18 9	5 10	22 9	22 2	25 28	17 29	6 3
T 22	23 23	25 40	2 16	18 59	4 13	22 42	1 26	14 45	0 54	22 17	0 26	0 8	2 26	1 35	0 45	22 8	0 36	18 9	5 10	22 10	22 3	25 29	17 29	6 3
F 23	23 20	24 40	1 14	19 9	4 5	22 30	1 27	14 58	0 53	22 15	0 26	0 9	2 26	1 35	0 45	22 9	0 36	18 9	5 10	22 10	22 3	25 29	17 29	6 3
S 24	23 16	22 32	0 9	19 19	3 56	22 17	1 27	15 12	0 53	22 13	0 26	0 9	2 26	1 35	0 45	22 9	0 36	18 9	5 10	22 10	22 4	25 29	17 29	6 3
S 25	23 12	19 21	0s58	19 31	3 45	22 3	1 28	15 25	0 52	22 11	0 26	0 10	2 27	1 35	0 45	22 9	0 36	18 9	5 10	22 10	22 4	25 29	17 29	6 3
M26	23 8	15 19	2 3	19 43	3 34	21 49	1 29	15 38	0 51	22 9	0 26	0 10	2 27	1 35	0 45	22 9	0 36	18 9	5 10	22 10	22 5	25 29	17 29	6 3
T 27	23 3	10 34	3 3	19 57	3 23	21 33	1 30	15 50	0 51	22 7	0 26	0 11	2 27	1 35	0 45	22 9	0 36	18 9	5 10	22 10	22 5	25 30	17 29	6 3
W28	22 58	5 19	3 56	20 11	3 10	21 18	1 31	16 3	0 50	22 5	0 26	0 11	2 27	1 35	0 45	22 10	0 36	18 9	5 10	22 10	22 6	25 30	17 29	6 3
T 29	22 52	0s16	4 37	20 26	2 57	21 1	1 31	16 15	0 49	22 3	0 26	0 11	2 28	1 35	0 45	22 10	0 36	18 9	5 10	22 9	22 6	25 30	17 29	6 3
F 30	22n46	5s58	5s 5	20n41	2s44	20n45	1n32	16n28	0s49	22n 0	0n26	0n11	2s28	1s35	0s45	22s10	0n36	18n 9	5s10	22s 9	22s 7	25n30	17s29	6n 3

Julian Day Number = 2149282.5, Delta T = 14m23s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'05, Lahiri = 12°19'05 Julian Calendar 1 June 1172 == Greg. Calendar 8 June 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

JULY 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 19	15♋16'07	16♎50	25♊ 9	5♌34	18♉35	23♋13	6♈10	27°R46	14°R25	22♊17	19°R16	19♑32	13♊ 0	27°R28	S 1
S 2	19 7 16	16°13'22	0♏46	26° 7	6°48	19°16	23°26	6°11	27♓45	14♑23	22°18	19♑16	19°29	13° 7	27♐24	S 2
M 3	19 11 12	17°10'37	15° 3	27°10	8° 1	19°57	23°40	6°12	27°45	14°22	22°20	19°16	19°26	13°14	27°21	M 3
T 4	19 15 9	18° 7'53	29°38	28°18	9°14	20°39	23°53	6°13	27°45	14°20	22°21	19°16	19°23	13°20	27°17	T 4
W 5	19 19 5	19° 5'09	14♐27	29°31	10°28	21°20	24° 6	6°14	27°44	14°19	22°22	19°D15	19°20	13°27	27°14	W 5
T 6	19 23 2	20° 2'25	29°23	0♋48	11°41	22° 1	24°19	6°14	27°44	14°17	22°24	19°16	19°16	13°34	27°11	T 6
F 7	19 26 59	20°59'43	14♑20	2°11	12°54	22°41	24°33	6°15	27°43	14°15	22°25	19°R16	19°13	13°40	27° 7	F 7
S 8	19 30 55	21°57'01	29° 8	3°38	14° 7	23°22	24°46	6°15	27°43	14°14	22°26	19°16	19°10	13°47	27° 4	S 8
S 9	19 34 52	22°54'19	13♒41	5° 9	15°21	24° 3	24°59	6°15	27°42	14°12	22°28	19°15	19° 7	13°54	27° 1	S 9
M10	19 38 48	23°51'39	27°52	6°45	16°34	24°43	25°12	6°16	27°42	14°11	22°29	19°15	19° 4	14° 0	26°57	M10
T 11	19 42 45	24°49'00	11♓40	8°24	17°47	25°24	25°26	6°16	27°41	14° 9	22°30	19°14	19° 1	14° 7	26°54	T 11
W12	19 46 41	25°46'21	25° 2	10° 8	19° 0	26° 4	25°39	6°R16	27°40	14° 7	22°32	19°14	18°57	14°14	26°51	W12
T 13	19 50 38	26°43'44	7♈59	11°55	20°13	26°45	25°52	6°16	27°39	14° 6	22°33	19°13	18°54	14°20	26°48	T 13
F 14	19 54 34	27°41'08	20°35	13°45	21°26	27°25	26° 5	6°16	27°39	14° 4	22°34	19°13	18°51	14°27	26°45	F 14
S 15	19 58 31	28°38'33	2♉52	15°38	22°40	28° 5	26°19	6°15	27°38	14° 3	22°35	19°D13	18°48	14°34	26°42	S 15
S 16	20 2 28	29°36'00	14°56	17°34	23°53	28°45	26°32	6°15	27°37	14° 1	22°36	19°13	18°45	14°40	26°39	S 16
M17	20 6 24	0♌33'28	26°50	19°31	25° 6	29°25	26°45	6°14	27°36	14° 0	22°38	19°14	18°41	14°47	26°36	M17
T 18	20 10 21	1°30'57	8♊40	21°31	26°19	0♊ 5	26°58	6°14	27°35	13°58	22°39	19°15	18°38	14°54	26°33	T 18
W19	20 14 17	2°28'27	20°29	23°32	27°32	0°44	27°12	6°13	27°34	13°57	22°40	19°16	18°35	15° 0	26°31	W19
T 20	20 18 14	3°25'59	2♋21	25°34	28°45	1°24	27°25	6°12	27°33	13°55	22°41	19°17	18°32	15° 7	26°28	T 20
F 21	20 22 10	4°23'32	14°20	27°37	29°58	2° 4	27°38	6°11	27°32	13°53	22°42	19°R18	18°29	15°14	26°25	F 21
S 22	20 26 7	5°21'07	26°28	29°40	1♍11	2°43	27°51	6°10	27°30	13°52	22°43	19°18	18°26	15°20	26°23	S 22
S 23	20 30 3	6°18'42	8♌47	1♌44	2°24	3°22	28° 4	6° 9	27°29	13°51	22°45	19°17	18°22	15°27	26°20	S 23
M24	20 34 0	7°16'19	21°18	3°47	3°37	4° 1	28°18	6° 8	27°28	13°49	22°46	19°15	18°19	15°34	26°18	M24
T 25	20 37 57	8°13'56	4♍ 3	5°50	4°50	4°40	28°31	6° 7	27°27	13°48	22°47	19°13	18°16	15°40	26°15	T 25
W26	20 41 53	9°11'35	17° 2	7°53	6° 3	5°19	28°44	6° 5	27°25	13°46	22°48	19°10	18°13	15°47	26°13	W26
T 27	20 45 50	10° 9'15	0♎14	9°54	7°16	5°58	28°57	6° 4	27°24	13°45	22°49	19° 7	18°10	15°54	26°11	T 27
F 28	20 49 46	11° 6'57	13°41	11°55	8°29	6°37	29°10	6° 2	27°23	13°43	22°50	19° 4	18° 7	16° 0	26° 9	F 28
S 29	20 53 43	12° 4'39	27°21	13°55	9°42	7°16	29°23	6° 0	27°21	13°42	22°51	19° 3	18° 3	16° 7	26° 7	S 29
S 30	20 57 39	13° 2'22	11♏15	15°54	10°55	7°54	29°36	5°59	27°20	13°41	22°52	19°D 2	18° 0	16°14	26° 5	S 30
M31	21 1 36	14♌ 0'07	25♏21	17♌51	12♍ 8	8♊32	29♋49	5♈57	27♓18	13♑39	22♊53	19♑ 2	17♑57	16♊20	26♐ 3	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n40	11s31	5s17	20n57	2s31	20n27	1n32	16n40	0s48	21n58	0n26	0n12	2s28	1s35	0s45	22s10	0n36	18n10	5s10	22s 9	22s 7	25n30	17s29	6n 3
S 2	22 33	16 39	5 11	21 13	2 17	20 9	1 33	16 52	0 47	21 56	0 26	0 12	2 29	1 35	0 45	22 10	0 36	18 10	5 10	22 9	22 7	25 30	17 29	6 3
M 3	22 26	20 58	4 46	21 28	2 3	19 50	1 33	17 4	0 47	21 54	0 26	0 12	2 29	1 36	0 45	22 10	0 36	18 10	5 10	22 9	22 8	25 31	17 29	6 3
T 4	22 19	24 6	4 2	21 44	1 48	19 31	1 33	17 15	0 46	21 52	0 26	0 12	2 29	1 36	0 45	22 11	0 36	18 10	5 10	22 9	22 8	25 31	17 29	6 2
W 5	22 11	25 39	3 2	21 59	1 34	19 12	1 33	17 27	0 45	21 49	0 27	0 12	2 29	1 36	0 46	22 11	0 36	18 10	5 10	22 9	22 9	25 31	17 29	6 2
T 6	22 3	25 21	1 48	22 13	1 20	18 51	1 34	17 38	0 45	21 47	0 27	0 12	2 30	1 36	0 46	22 11	0 36	18 10	5 10	22 9	22 9	25 31	17 29	6 2
F 7	21 54	23 14	0 27	22 26	1 6	18 31	1 34	17 49	0 44	21 45	0 27	0 12	2 30	1 36	0 46	22 11	0 36	18 10	5 10	22 9	22 10	25 31	17 29	6 2
S 8	21 45	19 32	0n55	22 38	0 52	18 10	1 34	18 0	0 43	21 43	0 27	0 12	2 30	1 37	0 46	22 11	0 36	18 10	5 10	22 9	22 10	25 31	17 29	6 2
S 9	21 36	14 42	2 12	22 49	0 38	17 48	1 34	18 11	0 43	21 40	0 27	0 12	2 31	1 37	0 46	22 12	0 36	18 10	5 10	22 9	22 11	25 31	17 29	6 2
M10	21 26	9 10	3 18	22 58	0 25	17 26	1 33	18 22	0 42	21 38	0 27	0 11	2 31	1 37	0 46	22 12	0 36	18 10	5 10	22 10	22 11	25 31	17 29	6 2
T 11	21 16	3 21	4 12	23 5	0 11	17 3	1 33	18 32	0 41	21 36	0 27	0 11	2 31	1 37	0 46	22 12	0 36	18 10	5 10	22 10	22 12	25 32	17 29	6 1
W12	21 5	2n26	4 49	23 11	0n 1	16 40	1 33	18 42	0 40	21 33	0 27	0 11	2 31	1 38	0 46	22 12	0 36	18 10	5 10	22 10	22 12	25 32	17 29	6 1
T 13	20 54	7 56	5 11	23 14	0 13	16 16	1 33	18 52	0 40	21 31	0 27	0 11	2 32	1 38	0 46	22 12	0 36	18 10	5 10	22 10	22 12	25 32	17 30	6 1
F 14	20 43	12 58	5 17	23 15	0 25	15 52	1 32	19 2	0 39	21 28	0 27	0 10	2 32	1 38	0 46	22 12	0 36	18 10	5 10	22 10	22 13	25 32	17 30	6 1
S 15	20 32	17 20	5 8	23 13	0 36	15 28	1 32	19 12	0 38	21 26	0 27	0 10	2 32	1 39	0 46	22 13	0 36	18 10	5 10	22 10	22 13	25 32	17 30	6 1
S 16	20 20	20 56	4 46	23 9	0 46	15 3	1 31	19 22	0 37	21 24	0 28	0 10	2 33	1 39	0 46	22 13	0 36	18 11	5 10	22 10	22 14	25 32	17 30	6 0
M17	20 7	23 37	4 12	23 2	0 55	14 38	1 30	19 31	0 37	21 21	0 28	0 9	2 33	1 40	0 46	22 13	0 36	18 11	5 10	22 10	22 14	25 32	17 30	6 0
T 18	19 55	25 15	3 27	22 52	1 4	14 12	1 30	19 41	0 36	21 19	0 28	0 9	2 33	1 40	0 46	22 13	0 36	18 11	5 10	22 10	22 15	25 32	17 30	6 0
W19	19 42	25 45	2 33	22 40	1 12	13 46	1 29	19 50	0 35	21 16	0 28	0 8	2 33	1 41	0 46	22 13	0 36	18 11	5 10	22 9	22 15	25 32	17 30	6 0
T 20	19 29	25 4	1 32	22 25	1 19	13 20	1 28	19 59	0 34	21 14	0 28	0 7	2 34	1 41	0 46	22 14	0 36	18 11	5 10	22 9	22 16	25 32	17 31	6 0
F 21	19 15	23 14	0 27	22 7	1 25	12 53	1 27	20 7	0 33	21 11	0 28	0 7	2 34	1 41	0 46	22 14	0 36	18 11	5 10	22 9	22 16	25 32	17 31	5 59
S 22	19 1	20 18	0s40	21 47	1 31	12 26	1 26	20 16	0 32	21 9	0 28	0 6	2 34	1 42	0 46	22 14	0 36	18 11	5 11	22 9	22 16	25 32	17 31	5 59
S 23	18 47	16 27	1 46	21 25	1 35	11 59	1 25	20 24	0 32	21 6	0 28	0 5	2 34	1 42	0 46	22 14	0 36	18 11	5 11	22 9	22 17	25 32	17 31	5 59
M24	18 32	11 49	2 48	21 0	1 39	11 31	1 24	20 33	0 31	21 3	0 28	0 5	2 35	1 43	0 46	22 14	0 36	18 11	5 11	22 10	22 17	25 32	17 31	5 59
T 25	18 17	6 37	3 42	20 32	1 42	11 3	1 22	20 41	0 30	21 1	0 28	0 4	2 35	1 44	0 46	22 14	0 36	18 11	5 11	22 10	22 18	25 32	17 32	5 58
W26	18 2	1 3	4 27	20 3	1 44	10 35	1 21	20 49	0 29	20 58	0 28	0 3	2 35	1 44	0 46	22 15	0 36	18 11	5 11	22 10	22 18	25 32	17 32	5 58
T 27	17 47	4s39	4 58	19 32	1 45	10 7	1 20	20 56	0 28	20 56	0 29	0 2	2 36	1 45	0 46	22 15	0 35	18 11	5 11	22 11	22 19	25 32	17 32	5 58
F 28	17 31	10 13	5 13	19 0	1 46	9 38	1 18	21 4	0 27	20 53	0 29	0 1	2 36	1 45	0 46	22 15	0 35	18 11	5 11	22 11	22 19	25 32	17 32	5 57
S 29	17 15	15 25	5 11	18 25	1 46	9 9	1 17	21 11	0 27	20 50	0 29	0 1	2 36	1 46	0 46	22 15	0 35	18 11	5 11	22 11	22 19	25 32	17 32	5 57
S 30	16 59	19 53	4 51	17 49	1 46	8 40	1 15	21 18	0 26	20 48	0 29	0s 0	2 36	1 47	0 46	22 15	0 35	18 11	5 11	22 11	22 20	25 32	17 33	5 57
M31	16n42	23s17	4s14	17n12	1n45	8n10	1n13	21n25	0s25	20n45	0n29	0s 1	2s37	1s47	0s46	22s15	0n35	18n11	5s11	22s11	22s20	25n32	17s33	5n56

Julian Day Number = 2149312.5, Delta T = 14m23s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'09, Lahiri = 12°19'09 Julian Calendar 1 July 1172 == Greg. Calendar 8 July 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

AUGUST 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 32	14♌57'52	9♐39	19♌48	13♍20	9♊11	0♌ 2	5°R55	27°R16	13°R38	22♊54	19♉ 3	17♉54	16♊27	26°R 1	T 1
W 2	21 9 29	15°55'39	24° 6	21°43	14°33	9°49	0°15	5♈52	27♓15	13♉37	22°55	19° 5	17°51	16°34	25♐59	W 2
T 3	21 13 26	16°53'28	8♉38	23°36	15°46	10°27	0°28	5°50	27°13	13°35	22°56	19° 6	17°47	16°40	25°57	T 3
F 4	21 17 22	17°51'17	23°11	25°29	16°59	11° 5	0°41	5°48	27°11	13°34	22°57	19°R 6	17°44	16°47	25°56	F 4
S 5	21 21 19	18°49'08	7♒39	27°20	18°12	11°43	0°54	5°46	27°10	13°33	22°58	19° 5	17°41	16°54	25°54	S 5
S 6	21 25 15	19°47'00	21°57	29°10	19°24	12°20	1° 7	5°43	27° 8	13°32	22°59	19° 3	17°38	17° 0	25°52	S 6
M 7	21 29 12	20°44'54	6♓ 0	0♍58	20°37	12°58	1°20	5°41	27° 6	13°30	23° 0	18°59	17°35	17° 7	25°51	M 7
T 8	21 33 8	21°42'49	19°43	2°45	21°50	13°35	1°33	5°38	27° 4	13°29	23° 0	18°54	17°32	17°14	25°50	T 8
W 9	21 37 5	22°40'46	3♈ 4	4°31	23° 2	14°12	1°46	5°35	27° 3	13°28	23° 1	18°48	17°28	17°20	25°48	W 9
T 10	21 41 1	23°38'45	16° 2	6°16	24°15	14°50	1°58	5°32	27° 1	13°27	23° 2	18°43	17°25	17°27	25°47	T 10
F 11	21 44 58	24°36'46	28°40	7°59	25°27	15°27	2°11	5°29	26°59	13°26	23° 3	18°39	17°22	17°34	25°46	F 11
S 12	21 48 55	25°34'48	10♉59	9°41	26°40	16° 3	2°24	5°26	26°57	13°25	23° 4	18°37	17°19	17°40	25°45	S 12
S 13	21 52 51	26°32'53	23° 3	11°22	27°53	16°40	2°36	5°23	26°55	13°23	23° 4	18°D35	17°16	17°47	25°44	S 13
M14	21 56 48	27°31'00	4♊57	13° 1	29° 5	17°17	2°49	5°20	26°53	13°22	23° 5	18°36	17°13	17°54	25°43	M14
T 15	22 0 44	28°29'09	16°47	14°39	0♎17	17°53	3° 2	5°17	26°51	13°21	23° 6	18°37	17° 9	18° 0	25°42	T 15
W16	22 4 41	29°27'19	28°37	16°16	1°30	18°30	3°14	5°14	26°49	13°20	23° 7	18°39	17° 6	18° 7	25°42	W16
T 17	22 8 37	0♍25'32	10♋32	17°52	2°42	19° 6	3°27	5°10	26°47	13°19	23° 7	18°40	17° 3	18°14	25°41	T 17
F 18	22 12 34	1°23'47	22°37	19°27	3°55	19°42	3°39	5° 7	26°45	13°18	23° 8	18°R40	17° 0	18°20	25°40	F 18
S 19	22 16 30	2°22'04	4♌54	21° 0	5° 7	20°18	3°52	5° 3	26°43	13°17	23° 9	18°39	16°57	18°27	25°40	S 19
S 20	22 20 27	3°20'22	17°27	22°33	6°20	20°54	4° 4	5° 0	26°40	13°17	23° 9	18°35	16°53	18°34	25°40	S 20
M21	22 24 24	4°18'43	0♍17	24° 4	7°32	21°29	4°16	4°56	26°38	13°16	23°10	18°30	16°50	18°40	25°39	M21
T 22	22 28 20	5°17'05	13°24	25°34	8°44	22° 5	4°28	4°52	26°36	13°15	23°10	18°23	16°47	18°47	25°39	T 22
W23	22 32 17	6°15'29	26°46	27° 2	9°56	22°40	4°41	4°48	26°34	13°14	23°11	18°15	16°44	18°54	25°39	W23
T 24	22 36 13	7°13'55	10♎23	28°30	11° 9	23°15	4°53	4°45	26°32	13°13	23°11	18° 7	16°41	19° 0	25°D39	T 24
F 25	22 40 10	8°12'23	24°11	29°56	12°21	23°50	5° 5	4°41	26°29	13°12	23°12	17°59	16°38	19° 7	25°39	F 25
S 26	22 44 6	9°10'52	8♏ 7	1♎21	13°33	24°25	5°17	4°37	26°27	13°12	23°12	17°54	16°34	19°14	25°39	S 26
S 27	22 48 3	10° 9'23	22° 9	2°45	14°45	25° 0	5°29	4°33	26°25	13°11	23°13	17°50	16°31	19°20	25°39	S 27
M28	22 51 59	11° 7'56	6♐15	4° 8	15°57	25°34	5°41	4°28	26°22	13°10	23°13	17°D49	16°28	19°27	25°40	M28
T 29	22 55 56	12° 6'31	20°24	5°29	17° 9	26° 8	5°53	4°24	26°20	13°10	23°14	17°49	16°25	19°34	25°40	T 29
W30	22 59 53	13° 5'07	4♉33	6°49	18°21	26°42	6° 5	4°20	26°18	13° 9	23°14	17°50	16°22	19°40	25°40	W30
T 31	23 3 49	14♍ 3'45	18♉42	8♎ 8	19♎33	27♊16	6♌16	4♈16	26♓15	13♉ 8	23♊15	17°R50	16♉19	19♊47	25♐41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n25	25s18	3s20	16n34	1n43	7n41	1n12	21n32	0s24	20n42	0n29	0s 2	2s37	1s48	0s46	22s16	0n35	18n11	5s11	22s11	22s21	25n32	17s33	5n56
W 2	16 8	25 38	2 13	15 55	1 41	7 11	1 10	21 39	0 23	20 40	0 29	0 4	2 37	1 48	0 46	22 16	0 35	18 11	5 11	22 11	22 21	25 32	17 34	5 56
T 3	15 51	24 13	0 57	15 15	1 38	6 41	1 8	21 45	0 22	20 37	0 29	0 5	2 37	1 49	0 46	22 16	0 35	18 11	5 11	22 11	22 22	25 32	17 34	5 55
F 4	15 33	21 11	0n22	14 34	1 34	6 11	1 6	21 51	0 21	20 34	0 29	0 6	2 38	1 50	0 46	22 16	0 35	18 11	5 11	22 11	22 22	25 32	17 34	5 55
S 5	15 15	16 50	1 40	13 52	1 31	5 40	1 4	21 58	0 20	20 32	0 30	0 7	2 38	1 51	0 46	22 16	0 35	18 11	5 11	22 11	22 22	25 31	17 34	5 55
S 6	14 57	11 34	2 50	13 10	1 27	5 10	1 2	22 3	0 19	20 29	0 30	0 8	2 38	1 51	0 46	22 16	0 35	18 11	5 11	22 11	22 23	25 31	17 35	5 54
M 7	14 39	5 49	3 49	12 27	1 22	4 39	1 0	22 9	0 18	20 26	0 30	0 9	2 38	1 52	0 46	22 16	0 35	18 11	5 11	22 12	22 23	25 31	17 35	5 54
T 8	14 20	0n 5	4 32	11 44	1 17	4 8	0 58	22 15	0 17	20 23	0 30	0 11	2 39	1 53	0 46	22 17	0 35	18 11	5 11	22 13	22 24	25 31	17 35	5 54
W 9	14 1	5 48	5 0	11 1	1 12	3 37	0 55	22 20	0 16	20 21	0 30	0 12	2 39	1 53	0 47	22 17	0 35	18 11	5 11	22 13	22 24	25 31	17 36	5 53
T 10	13 42	11 7	5 11	10 17	1 6	3 6	0 53	22 26	0 15	20 18	0 30	0 13	2 39	1 54	0 47	22 17	0 35	18 11	5 11	22 14	22 24	25 31	17 36	5 53
F 11	13 23	15 49	5 7	9 33	1 1	2 35	0 51	22 31	0 14	20 15	0 30	0 15	2 39	1 55	0 47	22 17	0 35	18 11	5 11	22 15	22 25	25 31	17 36	5 53
S 12	13 3	19 45	4 48	8 49	0 54	2 4	0 48	22 36	0 13	20 12	0 30	0 16	2 39	1 56	0 47	22 17	0 35	18 11	5 11	22 15	22 25	25 31	17 37	5 52
S 13	12 43	22 46	4 17	8 5	0 48	1 33	0 46	22 40	0 12	20 10	0 30	0 17	2 40	1 57	0 47	22 17	0 35	18 11	5 11	22 15	22 26	25 31	17 37	5 52
M14	12 23	24 45	3 35	7 20	0 41	1 2	0 43	22 45	0 11	20 7	0 31	0 19	2 40	1 57	0 47	22 17	0 35	18 11	5 11	22 15	22 26	25 30	17 37	5 52
T 15	12 3	25 37	2 45	6 36	0 35	0 30	0 41	22 49	0 10	20 4	0 31	0 20	2 40	1 58	0 47	22 18	0 35	18 11	5 12	22 15	22 26	25 30	17 38	5 51
W16	11 43	25 19	1 47	5 52	0 28	0s 1	0 38	22 54	0 9	20 1	0 31	0 22	2 40	1 59	0 47	22 18	0 35	18 11	5 12	22 15	22 27	25 30	17 38	5 51
T 17	11 22	23 52	0 44	5 8	0 21	0 33	0 35	22 58	0 8	19 58	0 31	0 23	2 41	2 0	0 47	22 18	0 35	18 11	5 12	22 14	22 27	25 30	17 38	5 50
F 18	11 2	21 17	0s21	4 24	0 13	1 4	0 32	23 2	0 7	19 56	0 31	0 25	2 41	2 1	0 47	22 18	0 35	18 11	5 12	22 14	22 28	25 30	17 39	5 50
S 19	10 41	17 43	1 27	3 40	0 6	1 35	0 30	23 5	0 6	19 53	0 31	0 27	2 41	2 2	0 47	22 18	0 35	18 11	5 12	22 15	22 28	25 30	17 39	5 50
S 20	10 20	13 18	2 29	2 57	0s 2	2 7	0 27	23 9	0 5	19 50	0 31	0 28	2 41	2 3	0 47	22 18	0 35	18 11	5 12	22 15	22 28	25 29	17 40	5 49
M21	9 58	8 13	3 26	2 13	0 10	2 38	0 24	23 12	0 4	19 47	0 31	0 30	2 41	2 3	0 47	22 18	0 35	18 11	5 12	22 16	22 29	25 29	17 40	5 49
T 22	9 37	2 41	4 12	1 30	0 17	3 10	0 21	23 16	0 3	19 44	0 32	0 31	2 41	2 4	0 47	22 18	0 35	18 11	5 12	22 17	22 29	25 29	17 40	5 48
W23	9 15	3s 5	4 46	0 48	0 25	3 41	0 18	23 19	0 2	19 42	0 32	0 33	2 42	2 5	0 47	22 18	0 35	18 11	5 12	22 18	22 30	25 29	17 41	5 48
T 24	8 54	8 47	5 4	0 6	0 33	4 12	0 15	23 22	0 1	19 39	0 32	0 35	2 42	2 6	0 47	22 19	0 35	18 11	5 12	22 19	22 30	25 29	17 41	5 48
F 25	8 32	14 8	5 5	0s36	0 41	4 43	0 12	23 25	0n 0	19 36	0 32	0 37	2 42	2 7	0 47	22 19	0 35	18 11	5 12	22 20	22 30	25 28	17 42	5 47
S 26	8 10	18 49	4 48	1 18	0 49	5 14	0 9	23 27	0 2	19 33	0 32	0 38	2 42	2 8	0 47	22 19	0 35	18 11	5 12	22 21	22 31	25 28	17 42	5 47
S 27	7 48	22 29	4 14	1 58	0 57	5 45	0 5	23 30	0 3	19 30	0 32	0 40	2 42	2 9	0 47	22 19	0 35	18 10	5 12	22 21	22 31	25 28	17 42	5 46
M28	7 25	24 48	3 24	2 39	1 5	6 16	0 2	23 32	0 4	19 28	0 32	0 42	2 42	2 10	0 47	22 19	0 35	18 10	5 12	22 21	22 32	25 28	17 43	5 46
T 29	7 3	25 33	2 22	3 19	1 13	6 47	0s 1	23 34	0 5	19 25	0 33	0 44	2 43	2 11	0 47	22 19	0 35	18 10	5 12	22 21	22 32	25 27	17 43	5 46
W30	6 40	24 39	1 11	3 58	1 21	7 17	0 4	23 37	0 6	19 22	0 33	0 45	2 43	2 12	0 47	22 19	0 35	18 10	5 12	22 21	22 32	25 27	17 44	5 45
T 31	6n18	22s 9	0n 5	4s36	1s29	7s48	0s 7	23n38	0n 7	19n19	0n33	0s47	2s43	2s13	0s47	22s19	0n35	18n10	5s13	22s21	22s33	25n27	17s44	5n45

Julian Day Number = 2149343.5, Delta T = 14m22s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'13, Lahiri = 12°19'14 Julian Calendar 1 Aug. 1172 == Greg. Calendar 8 Aug. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

SEPTEMBER 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 7 46	15♍ 2'24	2♒49	9♎25	20♎45	27♊50	6♌28	4°R11	26°R13	13°R 8	23♊15	17°R49	16♉15	19♊54	25♐42	F 1
S 2	23 11 42	16° 1'05	16°51	10°40	21°57	28°24	6°40	4♈ 7	26♓11	13♉ 7	23°15	17♉46	16°12	20° 0	25°42	S 2
S 3	23 15 39	16°59'48	0♓46	11°54	23° 9	28°57	6°51	4° 3	26° 8	13° 7	23°16	17°40	16° 9	20° 7	25°43	S 3
M 4	23 19 35	17°58'33	14°29	13° 7	24°21	29°30	7° 3	3°58	26° 6	13° 6	23°16	17°32	16° 6	20°14	25°44	M 4
T 5	23 23 32	18°57'20	27°57	14°17	25°33	0♋ 4	7°14	3°54	26° 4	13° 6	23°16	17°22	16° 3	20°20	25°45	T 5
W 6	23 27 28	19°56'09	11♈ 8	15°26	26°44	0°36	7°25	3°49	26° 1	13° 6	23°16	17°11	15°59	20°27	25°46	W 6
T 7	23 31 25	20°55'00	24° 1	16°33	27°56	1° 9	7°37	3°45	25°59	13° 5	23°17	17° 0	15°56	20°34	25°47	T 7
F 8	23 35 21	21°53'54	6♉35	17°38	29° 8	1°42	7°48	3°40	25°56	13° 5	23°17	16°51	15°53	20°40	25°48	F 8
S 9	23 39 18	22°52'50	18°52	18°40	0♏19	2°14	7°59	3°36	25°54	13° 5	23°17	16°44	15°50	20°47	25°50	S 9
S 10	23 43 15	23°51'48	0♊56	19°40	1°31	2°46	8°10	3°31	25°51	13° 4	23°17	16°39	15°47	20°54	25°51	S 10
M11	23 47 11	24°50'48	12°50	20°37	2°42	3°18	8°21	3°26	25°49	13° 4	23°17	16°36	15°44	21° 0	25°52	M11
T 12	23 51 8	25°49'51	24°39	21°32	3°54	3°49	8°32	3°22	25°47	13° 4	23°18	16°D35	15°40	21° 7	25°54	T 12
W13	23 55 4	26°48'56	6♋28	22°23	5° 5	4°21	8°42	3°17	25°44	13° 4	23°18	16°36	15°37	21°14	25°56	W13
T 14	23 59 1	27°48'03	18°24	23°12	6°16	4°52	8°53	3°12	25°42	13° 3	23°18	16°R36	15°34	21°20	25°57	T 14
F 15	0 2 57	28°47'13	0♌31	23°56	7°28	5°23	9° 4	3° 7	25°39	13° 3	23°18	16°35	15°31	21°27	25°59	F 15
S 16	0 6 54	29°46'25	12°53	24°36	8°39	5°54	9°14	3° 3	25°37	13° 3	23°R18	16°32	15°28	21°34	26° 1	S 16
S 17	0 10 50	0♎45'39	25°36	25°12	9°50	6°25	9°25	2°58	25°35	13° 3	23°18	16°27	15°24	21°40	26° 3	S 17
M18	0 14 47	1°44'55	8♍40	25°44	11° 2	6°55	9°35	2°53	25°32	13°D 3	23°18	16°18	15°21	21°47	26° 5	M18
T 19	0 18 44	2°44'14	22° 6	26°10	12°13	7°25	9°45	2°48	25°30	13° 3	23°18	16° 8	15°18	21°54	26° 7	T 19
W20	0 22 40	3°43'34	5♎53	26°30	13°24	7°55	9°56	2°44	25°27	13° 3	23°18	15°56	15°15	22° 0	26° 9	W20
T 21	0 26 37	4°42'57	19°57	26°45	14°35	8°24	10° 6	2°39	25°25	13° 3	23°18	15°44	15°12	22° 7	26°12	T 21
F 22	0 30 33	5°42'22	4♏12	26°53	15°46	8°54	10°16	2°34	25°23	13° 3	23°17	15°33	15° 9	22°13	26°14	F 22
S 23	0 34 30	6°41'49	18°33	26°R53	16°57	9°23	10°25	2°29	25°20	13° 4	23°17	15°24	15° 5	22°20	26°16	S 23
S 24	0 38 26	7°41'17	2♐54	26°46	18° 8	9°51	10°35	2°25	25°18	13° 4	23°17	15°18	15° 2	22°27	26°19	S 24
M25	0 42 23	8°40'48	17°12	26°32	19°18	10°20	10°45	2°20	25°15	13° 4	23°17	15°15	14°59	22°33	26°21	M25
T 26	0 46 19	9°40'20	1♑24	26° 8	20°29	10°48	10°54	2°15	25°13	13° 4	23°17	15°13	14°56	22°40	26°24	T 26
W27	0 50 16	10°39'55	15°28	25°37	21°40	11°16	11° 4	2°10	25°11	13° 5	23°16	15°13	14°53	22°47	26°27	W27
T 28	0 54 13	11°39'30	29°23	24°56	22°50	11°44	11°13	2° 6	25° 9	13° 5	23°16	15°13	14°50	22°53	26°30	T 28
F 29	0 58 9	12°39'08	13♒10	24° 8	24° 1	12°11	11°22	2° 1	25° 6	13° 5	23°16	15°11	14°46	23° 0	26°33	F 29
S 30	1 2 6	13♎38'47	26♒48	23♎11	25♏12	12♋38	11♌32	1♈57	25♓ 4	13♉ 6	23♊16	15♉ 7	14♉43	23♊ 7	26♐36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n55	18s20	1n19	5s14	1s37	8s18	0s11	23n40	0n 9	19n16	0n33	0s49	2s43	2s14	0s47	22s19	0n35	18n10	5s13	22s21	22s33	25n27	17s44	5n44
S 2	5 32	13 29	2 29	5 51	1 45	8 48	0 14	23 42	0 10	19 14	0 33	0 51	2 43	2 14	0 47	22 19	0 35	18 10	5 13	22 22	22 34	25 26	17 45	5 44
S 3	5 9	8 0	3 28	6 28	1 53	9 18	0 17	23 44	0 11	19 11	0 33	0 53	2 43	2 15	0 47	22 20	0 35	18 10	5 13	22 22	22 34	25 26	17 45	5 44
M 4	4 46	2 13	4 15	7 3	2 1	9 48	0 21	23 45	0 12	19 8	0 33	0 55	2 43	2 16	0 47	22 20	0 35	18 10	5 13	22 24	22 34	25 26	17 46	5 43
T 5	4 23	3n34	4 47	7 38	2 8	10 18	0 24	23 46	0 13	19 5	0 34	0 57	2 43	2 17	0 47	22 20	0 34	18 10	5 13	22 25	22 35	25 25	17 46	5 43
W 6	4 0	9 3	5 2	8 11	2 16	10 47	0 28	23 47	0 15	19 2	0 34	0 58	2 44	2 18	0 47	22 20	0 34	18 10	5 13	22 26	22 35	25 25	17 47	5 42
T 7	3 37	14 1	5 1	8 44	2 23	11 16	0 31	23 48	0 16	19 0	0 34	1 0	2 44	2 19	0 47	22 20	0 34	18 10	5 13	22 28	22 35	25 25	17 47	5 42
F 8	3 14	18 16	4 46	9 15	2 30	11 45	0 35	23 49	0 17	18 57	0 34	1 2	2 44	2 20	0 47	22 20	0 34	18 10	5 13	22 29	22 36	25 25	17 48	5 41
S 9	2 50	21 38	4 18	9 46	2 37	12 14	0 38	23 50	0 18	18 54	0 34	1 4	2 44	2 21	0 47	22 20	0 34	18 10	5 13	22 30	22 36	25 24	17 48	5 41
S 10	2 27	24 0	3 38	10 15	2 44	12 42	0 41	23 51	0 20	18 52	0 34	1 6	2 44	2 22	0 47	22 20	0 34	18 10	5 13	22 30	22 37	25 24	17 48	5 41
M11	2 3	25 15	2 50	10 43	2 50	13 10	0 45	23 51	0 21	18 49	0 34	1 8	2 44	2 23	0 47	22 20	0 34	18 10	5 13	22 31	22 37	25 24	17 49	5 40
T 12	1 40	25 20	1 54	11 9	2 56	13 38	0 48	23 52	0 22	18 46	0 35	1 10	2 44	2 24	0 47	22 20	0 34	18 10	5 13	22 31	22 37	25 23	17 49	5 40
W13	1 16	24 17	0 54	11 33	3 2	14 5	0 52	23 52	0 24	18 43	0 35	1 12	2 44	2 25	0 47	22 20	0 34	18 10	5 13	22 31	22 38	25 23	17 50	5 39
T 14	0 53	22 7	0s10	11 56	3 7	14 33	0 55	23 53	0 25	18 41	0 35	1 14	2 44	2 26	0 47	22 20	0 34	18 9	5 14	22 31	22 38	25 22	17 50	5 39
F 15	0 29	18 56	1 13	12 17	3 12	15 0	0 59	23 53	0 26	18 38	0 35	1 16	2 44	2 27	0 47	22 20	0 34	18 9	5 14	22 31	22 38	25 22	17 51	5 39
S 16	0 5	14 52	2 15	12 36	3 16	15 26	1 2	23 53	0 28	18 35	0 35	1 18	2 44	2 28	0 47	22 20	0 34	18 9	5 14	22 31	22 39	25 22	17 51	5 38
S 17	0s18	10 3	3 11	12 53	3 19	15 52	1 6	23 53	0 29	18 33	0 35	1 20	2 44	2 29	0 47	22 20	0 34	18 9	5 14	22 32	22 39	25 21	17 52	5 38
M18	0 42	4 40	3 59	13 8	3 22	16 18	1 9	23 53	0 31	18 30	0 36	1 21	2 44	2 30	0 47	22 20	0 34	18 9	5 14	22 33	22 40	25 21	17 52	5 37
T 19	1 6	1s 4	4 35	13 19	3 25	16 43	1 13	23 52	0 32	18 28	0 36	1 23	2 44	2 31	0 47	22 20	0 34	18 9	5 14	22 34	22 40	25 21	17 53	5 37
W20	1 29	6 53	4 56	13 28	3 26	17 9	1 16	23 52	0 33	18 25	0 36	1 25	2 44	2 32	0 47	22 20	0 34	18 9	5 14	22 35	22 40	25 20	17 53	5 37
T 21	1 53	12 27	5 0	13 34	3 27	17 33	1 20	23 52	0 35	18 22	0 36	1 27	2 44	2 33	0 47	22 20	0 34	18 9	5 14	22 37	22 41	25 20	17 53	5 36
F 22	2 17	17 27	4 45	13 36	3 26	17 57	1 23	23 51	0 36	18 20	0 36	1 29	2 44	2 34	0 47	22 20	0 34	18 9	5 14	22 38	22 41	25 19	17 54	5 36
S 23	2 40	21 28	4 13	13 35	3 24	18 21	1 26	23 51	0 38	18 17	0 36	1 31	2 44	2 35	0 47	22 20	0 34	18 9	5 14	22 39	22 41	25 19	17 54	5 35
S 24	3 4	24 10	3 24	13 29	3 21	18 45	1 30	23 50	0 39	18 15	0 37	1 33	2 44	2 35	0 47	22 20	0 34	18 9	5 14	22 40	22 42	25 19	17 55	5 35
M25	3 27	25 17	2 22	13 20	3 17	19 8	1 33	23 49	0 41	18 12	0 37	1 35	2 44	2 36	0 47	22 20	0 34	18 9	5 14	22 40	22 42	25 18	17 55	5 35
T 26	3 51	24 45	1 12	13 5	3 10	19 30	1 37	23 49	0 42	18 10	0 37	1 37	2 44	2 37	0 47	22 20	0 34	18 9	5 14	22 40	22 42	25 18	17 56	5 34
W27	4 14	22 38	0n 1	12 47	3 3	19 52	1 40	23 48	0 44	18 8	0 37	1 38	2 44	2 38	0 47	22 20	0 34	18 9	5 14	22 40	22 43	25 17	17 56	5 34
T 28	4 38	19 10	1 14	12 23	2 53	20 14	1 43	23 47	0 46	18 5	0 37	1 40	2 44	2 39	0 47	22 20	0 34	18 8	5 14	22 40	22 43	25 17	17 57	5 34
F 29	5 1	14 40	2 22	11 54	2 42	20 35	1 46	23 46	0 47	18 3	0 37	1 42	2 44	2 40	0 47	22 20	0 34	18 8	5 15	22 41	22 43	25 16	17 57	5 33
S 30	5s25	9s29	3n21	11s21	2s29	20s55	1s49	23n45	0n49	18n 0	0n38	1s44	2s44	2s41	0s47	22s20	0n34	18n 8	5s15	22s41	22s44	25n16	17s57	5n33

Julian Day Number = 2149374.5, Delta T = 14m22s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'18, Lahiri = 12°19'18 Julian Calendar 1 Sept. 1172 == Greg. Calendar 8 Sept. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

OCTOBER 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 2	14♎38'28	10♓17	22°R 8	26♏22	13♋ 5	11♌41	1°R52	25°R 2	13♑ 6	23°R15	14°R59	14♑40	23♊13	26♐39	S 1
M 2	1 9 59	15°38'11	23°36	20♎59	27°32	13°32	11°49	1♈47	24♓59	13° 6	23♊15	14♑49	14°37	23°20	26°42	M 2
T 3	1 13 55	16°37'56	6♈43	19°45	28°42	13°58	11°58	1°43	24°57	13° 7	23°15	14°36	14°34	23°27	26°45	T 3
W 4	1 17 52	17°37'42	19°37	18°30	29°53	14°24	12° 7	1°38	24°55	13° 7	23°14	14°23	14°30	23°33	26°48	W 4
T 5	1 21 48	18°37'31	2♉16	17°15	1♐ 3	14°49	12°15	1°34	24°53	13° 8	23°14	14° 9	14°27	23°40	26°51	T 5
F 6	1 25 45	19°37'22	14°41	16° 1	2°13	15°14	12°24	1°30	24°51	13° 9	23°13	13°57	14°24	23°47	26°55	F 6
S 7	1 29 42	20°37'15	26°53	14°53	3°23	15°39	12°32	1°25	24°49	13° 9	23°13	13°47	14°21	23°53	26°58	S 7
S 8	1 33 38	21°37'10	8♊53	13°51	4°32	16° 4	12°40	1°21	24°47	13°10	23°13	13°40	14°18	24° 0	27° 2	S 8
M 9	1 37 35	22°37'07	20°45	12°57	5°42	16°28	12°48	1°17	24°45	13°11	23°12	13°36	14°15	24° 7	27° 5	M 9
T 10	1 41 31	23°37'07	2♋32	12°14	6°52	16°52	12°56	1°12	24°42	13°11	23°12	13°34	14°11	24°13	27° 9	T 10
W11	1 45 28	24°37'09	14°20	11°41	8° 1	17°15	13° 4	1° 8	24°40	13°12	23°11	13°D33	14° 8	24°20	27°13	W11
T 12	1 49 24	25°37'12	26°14	11°20	9°11	17°38	13°12	1° 4	24°38	13°13	23°10	13°R33	14° 5	24°27	27°16	T 12
F 13	1 53 21	26°37'18	8♌20	11°D10	10°20	18° 1	13°19	1° 0	24°37	13°14	23°10	13°33	14° 2	24°33	27°20	F 13
S 14	1 57 17	27°37'26	20°42	11°12	11°29	18°23	13°26	0°56	24°35	13°14	23° 9	13°31	13°59	24°40	27°24	S 14
S 15	2 1 14	28°37'37	3♍26	11°24	12°39	18°45	13°34	0°52	24°33	13°15	23° 9	13°26	13°55	24°47	27°28	S 15
M16	2 5 11	29°37'49	16°35	11°47	13°48	19° 7	13°41	0°48	24°31	13°16	23° 8	13°19	13°52	24°53	27°32	M16
T 17	2 9 7	0♏38'03	0♎11	12°19	14°57	19°28	13°48	0°44	24°29	13°17	23° 7	13° 9	13°49	25° 0	27°36	T 17
W18	2 13 4	1°38'19	14°13	13° 0	16° 5	19°48	13°54	0°41	24°27	13°18	23° 7	12°58	13°46	25° 7	27°40	W18
T 19	2 17 0	2°38'37	28°37	13°49	17°14	20° 8	14° 1	0°37	24°25	13°19	23° 6	12°47	13°43	25°13	27°45	T 19
F 20	2 20 57	3°38'57	13♏17	14°45	18°23	20°28	14° 8	0°33	24°24	13°20	23° 5	12°36	13°40	25°20	27°49	F 20
S 21	2 24 53	4°39'19	28° 4	15°47	19°31	20°47	14°14	0°30	24°22	13°21	23° 5	12°28	13°36	25°26	27°53	S 21
S 22	2 28 50	5°39'43	12♐51	16°54	20°40	21° 6	14°20	0°26	24°20	13°22	23° 4	12°22	13°33	25°33	27°58	S 22
M23	2 32 46	6°40'08	27°31	18° 5	21°48	21°25	14°26	0°23	24°19	13°24	23° 3	12°19	13°30	25°40	28° 2	M23
T 24	2 36 43	7°40'34	11♑58	19°20	22°56	21°42	14°32	0°20	24°17	13°25	23° 2	12°D18	13°27	25°46	28° 7	T 24
W25	2 40 40	8°41'02	26°10	20°39	24° 4	22° 0	14°38	0°17	24°16	13°26	23° 1	12°18	13°24	25°53	28°11	W25
T 26	2 44 36	9°41'31	10♒ 5	22° 1	25°12	22°17	14°43	0°14	24°14	13°27	23° 1	12°R19	13°21	26° 0	28°16	T 26
F 27	2 48 33	10°42'01	23°44	23°24	26°19	22°33	14°49	0°10	24°13	13°28	23° 0	12°18	13°17	26° 6	28°21	F 27
S 28	2 52 29	11°42'33	7♓ 8	24°50	27°27	22°49	14°54	0° 8	24°11	13°30	22°59	12°15	13°14	26°13	28°25	S 28
S 29	2 56 26	12°43'05	20°18	26°18	28°34	23° 4	14°59	0° 5	24°10	13°31	22°58	12°10	13°11	26°20	28°30	S 29
M30	3 0 22	13°43'40	3♈16	27°47	29°41	23°19	15° 4	0° 2	24° 9	13°32	22°57	12° 2	13° 8	26°26	28°35	M30
T 31	3 4 19	14♏44'15	16♈ 2	29♎17	0♑48	23♋33	15♌ 9	29♓59	24♓ 7	13♑34	22♊56	11♑52	13♑ 5	26♊33	28♐40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	☊	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s48	3s56	4n 7	10s43	2s14	21s15	1s53	23n44	0n50	17n58	0n38	1s46	2s44	2s42	0s47	22s20	0n34	18n 8	5s15	22s42	22s44	25n15	17s58	5n32
M 2	6 11	1n44	4 40	10 2	1 57	21 35	1 56	23 43	0 52	17 56	0 38	1 47	2 44	2 43	0 47	22 20	0 34	18 8	5 15	22 43	22 45	25 15	17 58	5 32
T 3	6 34	7 13	4 57	9 17	1 39	21 53	1 59	23 42	0 54	17 53	0 38	1 49	2 44	2 44	0 47	22 20	0 34	18 8	5 15	22 45	22 45	25 14	17 59	5 32
W 4	6 57	12 18	4 59	8 30	1 19	22 12	2 2	23 41	0 55	17 51	0 38	1 51	2 44	2 44	0 47	22 20	0 34	18 8	5 15	22 46	22 45	25 14	17 59	5 31
T 5	7 20	16 46	4 45	7 43	0 59	22 30	2 5	23 40	0 57	17 49	0 39	1 53	2 44	2 45	0 47	22 20	0 34	18 8	5 15	22 47	22 46	25 13	18 0	5 31
F 6	7 43	20 26	4 19	6 55	0 38	22 47	2 8	23 39	0 59	17 47	0 39	1 54	2 44	2 46	0 47	22 20	0 34	18 8	5 15	22 49	22 46	25 13	18 0	5 31
S 7	8 5	23 7	3 40	6 10	0 18	23 3	2 10	23 37	1 0	17 45	0 39	1 56	2 44	2 47	0 46	22 20	0 34	18 8	5 15	22 50	22 46	25 12	18 0	5 30
S 8	8 28	24 43	2 53	5 27	0n 2	23 20	2 13	23 36	1 2	17 43	0 39	1 58	2 44	2 48	0 46	22 20	0 33	18 8	5 15	22 51	22 47	25 12	18 1	5 30
M 9	8 50	25 11	1 58	4 48	0 22	23 35	2 16	23 35	1 4	17 40	0 39	1 59	2 43	2 49	0 46	22 20	0 33	18 8	5 15	22 51	22 47	25 11	18 1	5 30
T 10	9 13	24 29	0 58	4 14	0 40	23 50	2 19	23 34	1 6	17 38	0 40	2 1	2 43	2 49	0 46	22 20	0 33	18 8	5 15	22 51	22 47	25 11	18 2	5 29
W11	9 35	22 42	0s 4	3 46	0 57	24 4	2 21	23 33	1 7	17 36	0 40	2 2	2 43	2 50	0 46	22 20	0 33	18 7	5 15	22 51	22 48	25 10	18 2	5 29
T 12	9 57	19 54	1 7	3 24	1 12	24 18	2 24	23 31	1 9	17 34	0 40	2 4	2 43	2 51	0 46	22 20	0 33	18 7	5 15	22 51	22 48	25 10	18 3	5 29
F 13	10 19	16 13	2 8	3 7	1 26	24 31	2 26	23 30	1 11	17 32	0 40	2 5	2 43	2 52	0 46	22 20	0 33	18 7	5 15	22 51	22 48	25 9	18 3	5 28
S 14	10 41	11 45	3 4	2 57	1 38	24 43	2 29	23 29	1 13	17 30	0 40	2 7	2 43	2 52	0 46	22 20	0 33	18 7	5 15	22 51	22 49	25 9	18 3	5 28
S 15	11 2	6 41	3 52	2 53	1 48	24 55	2 31	23 28	1 15	17 29	0 41	2 8	2 43	2 53	0 46	22 20	0 33	18 7	5 15	22 52	22 49	25 8	18 4	5 28
M16	11 24	1 10	4 30	2 54	1 56	25 5	2 33	23 27	1 17	17 27	0 41	2 10	2 43	2 54	0 46	22 20	0 33	18 7	5 15	22 53	22 49	25 7	18 4	5 27
T 17	11 45	4s34	4 55	3 1	2 2	25 16	2 35	23 26	1 19	17 25	0 41	2 11	2 43	2 54	0 46	22 20	0 33	18 7	5 16	22 54	22 50	25 7	18 4	5 27
W18	12 6	10 16	5 2	3 12	2 8	25 25	2 37	23 24	1 21	17 23	0 41	2 13	2 42	2 55	0 46	22 20	0 33	18 7	5 16	22 55	22 50	25 6	18 5	5 27
T 19	12 27	15 33	4 51	3 28	2 11	25 34	2 39	23 23	1 23	17 21	0 41	2 14	2 42	2 56	0 46	22 20	0 33	18 7	5 16	22 56	22 50	25 6	18 5	5 27
F 20	12 47	20 2	4 20	3 47	2 14	25 43	2 41	23 22	1 25	17 20	0 42	2 15	2 42	2 57	0 46	22 20	0 33	18 7	5 16	22 57	22 51	25 5	18 6	5 26
S 21	13 8	23 16	3 32	4 10	2 15	25 50	2 43	23 21	1 27	17 18	0 42	2 16	2 42	2 57	0 46	22 19	0 33	18 7	5 16	22 58	22 51	25 5	18 6	5 26
S 22	13 28	24 55	2 30	4 35	2 15	25 57	2 45	23 21	1 29	17 16	0 42	2 18	2 42	2 58	0 46	22 19	0 33	18 7	5 16	22 58	22 51	25 4	18 6	5 26
M23	13 48	24 49	1 18	5 3	2 14	26 3	2 46	23 20	1 31	17 15	0 42	2 19	2 42	2 58	0 46	22 19	0 33	18 6	5 16	22 58	22 52	25 3	18 7	5 25
T 24	14 8	23 2	0 2	5 33	2 13	26 9	2 48	23 19	1 33	17 13	0 43	2 20	2 41	2 59	0 46	22 19	0 33	18 6	5 16	22 59	22 52	25 3	18 7	5 25
W25	14 28	19 49	1n13	6 5	2 10	26 14	2 49	23 18	1 35	17 12	0 43	2 21	2 41	3 0	0 46	22 19	0 33	18 6	5 16	22 58	22 52	25 2	18 7	5 25
T 26	14 47	15 30	2 23	6 39	2 7	26 18	2 50	23 18	1 37	17 11	0 43	2 22	2 41	3 0	0 46	22 19	0 33	18 6	5 16	22 58	22 52	25 1	18 8	5 25
F 27	15 6	10 29	3 22	7 13	2 4	26 21	2 52	23 17	1 39	17 9	0 43	2 23	2 41	3 1	0 46	22 19	0 33	18 6	5 16	22 59	22 53	25 1	18 8	5 24
S 28	15 25	5 4	4 10	7 49	1 59	26 24	2 53	23 16	1 41	17 8	0 43	2 24	2 41	3 1	0 46	22 19	0 33	18 6	5 16	22 59	22 53	25 0	18 8	5 24
S 29	15 43	0n29	4 43	8 25	1 55	26 26	2 54	23 16	1 44	17 7	0 44	2 25	2 40	3 2	0 46	22 19	0 33	18 6	5 16	22 59	22 53	24 59	18 8	5 24
M30	16 2	5 54	5 1	9 1	1 50	26 27	2 54	23 16	1 46	17 5	0 44	2 26	2 40	3 2	0 46	22 19	0 33	18 6	5 16	23 0	22 54	24 59	18 9	5 24
T 31	16s20	11n 0	5n 4	9s38	1n44	26s28	2s55	23n16	1n48	17n 4	0n44	2s27	2s40	3s 3	0s46	22s19	0n33	18n 6	5s16	23s 1	22s54	24n58	18s 9	5n23

Julian Day Number = 2149404.5, Delta T = 14m22s
Ecliptic obliquity = 23°32'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'22, Lahiri = 12°19'22 Julian Calendar 1 Oct. 1172 == Greg. Calendar 8 Oct. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

NOVEMBER 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 8 15	15♏44'52	28♈36	0♏47	1♉55	23♋46	15♌13	29°R57	24°R 6	13♉35	22°R55	11°R41	13♉ 1	26♊40	28♐45	W 1
T 2	3 12 12	16°45'30	10♉59	2°19	3° 1	23°59	15°18	29♓54	24♓ 5	13°36	22♊54	11♉30	12°58	26°46	28°50	T 2
F 3	3 16 8	17°46'10	23°12	3°51	4° 8	24°12	15°22	29°52	24° 4	13°38	22°53	11°21	12°55	26°53	28°55	F 3
S 4	3 20 5	18°46'51	5♊15	5°24	5°14	24°24	15°26	29°49	24° 3	13°39	22°53	11°13	12°52	27° 0	29° 0	S 4
S 5	3 24 2	19°47'34	17° 9	6°57	6°20	24°35	15°30	29°47	24° 2	13°41	22°52	11° 7	12°49	27° 6	29° 5	S 5
M 6	3 27 58	20°48'18	28°59	8°30	7°26	24°45	15°34	29°45	24° 0	13°42	22°51	11° 4	12°46	27°13	29°10	M 6
T 7	3 31 55	21°49'04	10♋45	10° 4	8°31	24°55	15°37	29°43	24° 0	13°44	22°50	11°D 3	12°42	27°20	29°15	T 7
W 8	3 35 51	22°49'51	22°32	11°38	9°36	25° 5	15°40	29°41	23°59	13°46	22°49	11° 4	12°39	27°26	29°20	W 8
T 9	3 39 48	23°50'40	4♌25	13°11	10°41	25°13	15°44	29°39	23°58	13°47	22°47	11° 5	12°36	27°33	29°25	T 9
F 10	3 43 44	24°51'30	16°28	14°45	11°46	25°21	15°47	29°38	23°57	13°49	22°46	11° 6	12°33	27°40	29°31	F 10
S 11	3 47 41	25°52'21	28°47	16°19	12°51	25°28	15°49	29°36	23°56	13°50	22°45	11°R 7	12°30	27°46	29°36	S 11
S 12	3 51 38	26°53'14	11♍27	17°53	13°55	25°35	15°52	29°35	23°55	13°52	22°44	11° 5	12°27	27°53	29°41	S 12
M13	3 55 34	27°54'09	24°32	19°27	14°59	25°41	15°54	29°33	23°55	13°54	22°43	11° 2	12°23	27°59	29°47	M13
T 14	3 59 31	28°55'05	8♎ 5	21° 1	16° 3	25°46	15°57	29°32	23°54	13°56	22°42	10°58	12°20	28° 6	29°52	T 14
W15	4 3 27	29°56'02	22° 7	22°35	17° 6	25°50	15°59	29°31	23°53	13°57	22°41	10°51	12°17	28°13	29°58	W15
T 16	4 7 24	0♐57'00	6♏36	24° 9	18° 9	25°54	16° 1	29°30	23°53	13°59	22°40	10°45	12°14	28°19	0♑ 3	T 16
F 17	4 11 20	1°58'00	21°26	25°43	19°12	25°57	16° 2	29°29	23°52	14° 1	22°39	10°39	12°11	28°26	0° 9	F 17
S 18	4 15 17	2°59'01	6♐30	27°17	20°14	25°59	16° 4	29°28	23°52	14° 3	22°38	10°34	12° 7	28°33	0°14	S 18
S 19	4 19 13	4° 0'02	21°38	28°51	21°17	26° 0	16° 5	29°27	23°52	14° 4	22°37	10°30	12° 4	28°39	0°20	S 19
M20	4 23 10	5° 1'05	6♑41	0♐25	22°18	26°R 0	16° 6	29°27	23°51	14° 6	22°35	10°D29	12° 1	28°46	0°26	M20
T 21	4 27 7	6° 2'08	21°31	1°59	23°20	26° 0	16° 7	29°26	23°51	14° 8	22°34	10°29	11°58	28°53	0°31	T 21
W22	4 31 3	7° 3'12	6♒ 1	3°33	24°21	25°59	16° 8	29°26	23°51	14°10	22°33	10°31	11°55	28°59	0°37	W22
T 23	4 35 0	8° 4'16	20° 8	5° 7	25°21	25°57	16° 8	29°25	23°51	14°12	22°32	10°32	11°52	29° 6	0°43	T 23
F 24	4 38 56	9° 5'21	3♓53	6°42	26°22	25°54	16° 8	29°25	23°50	14°14	22°31	10°R33	11°48	29°13	0°48	F 24
S 25	4 42 53	10° 6'26	17°16	8°16	27°21	25°51	16°R 9	29°D25	23°50	14°16	22°30	10°33	11°45	29°19	0°54	S 25
S 26	4 46 49	11° 7'31	0♈18	9°50	28°21	25°46	16° 8	29°25	23°D50	14°18	22°28	10°32	11°42	29°26	1° 0	S 26
M27	4 50 46	12° 8'37	13° 4	11°25	29°20	25°41	16° 8	29°25	23°50	14°20	22°27	10°29	11°39	29°33	1° 6	M27
T 28	4 54 42	13° 9'43	25°34	12°59	0♒18	25°35	16° 8	29°25	23°50	14°22	22°26	10°25	11°36	29°39	1°11	T 28
W29	4 58 39	14°10'50	7♉53	14°34	1°16	25°28	16° 7	29°26	23°50	14°24	22°25	10°20	11°33	29°46	1°17	W29
T 30	5 2 36	15♐11'57	20♉ 1	16♐ 9	2♒13	25♋20	16♌ 6	29♓26	23♓51	14♉26	22♊24	10♉15	11♉29	29♊52	1♉23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s38	15n34	4n52	10s16	1n39	26s28	2s56	23n15	1n50	17n 3	0n44	2s28	2s40	3s 3	0s46	22s18	0n33	18n 6	5s16	23s 2	22s54	24n57	18s 9	5n23
T 2	16 55	19 24	4 26	10 53	1 33	26 27	2 56	23 15	1 53	17 2	0 45	2 29	2 40	3 4	0 46	22 18	0 33	18 6	5 16	23 3	22 55	24 57	18 9	5 23
F 3	17 12	22 20	3 48	11 30	1 26	26 25	2 57	23 15	1 55	17 1	0 45	2 29	2 39	3 4	0 46	22 18	0 33	18 6	5 16	23 4	22 55	24 56	18 10	5 23
S 4	17 29	24 14	3 0	12 7	1 20	26 23	2 57	23 16	1 57	17 0	0 45	2 30	2 39	3 4	0 46	22 18	0 33	18 6	5 16	23 4	22 55	24 55	18 10	5 23
S 5	17 46	25 0	2 5	12 44	1 14	26 20	2 57	23 16	2 0	16 59	0 45	2 31	2 39	3 5	0 46	22 18	0 33	18 6	5 16	23 5	22 56	24 55	18 10	5 22
M 6	18 2	24 37	1 5	13 21	1 7	26 17	2 57	23 16	2 2	16 58	0 46	2 32	2 39	3 5	0 46	22 18	0 33	18 5	5 16	23 5	22 56	24 54	18 10	5 22
T 7	18 18	23 8	0 2	13 57	1 0	26 13	2 57	23 17	2 5	16 57	0 46	2 32	2 39	3 6	0 46	22 18	0 33	18 5	5 16	23 5	22 56	24 53	18 11	5 22
W 8	18 34	20 38	1s 2	14 33	0 53	26 8	2 56	23 18	2 7	16 56	0 46	2 33	2 38	3 6	0 46	22 18	0 33	18 5	5 16	23 5	22 57	24 53	18 11	5 22
T 9	18 49	17 15	2 3	15 8	0 46	26 2	2 56	23 19	2 10	16 56	0 46	2 33	2 38	3 6	0 45	22 17	0 33	18 5	5 16	23 5	22 57	24 52	18 11	5 22
F 10	19 4	13 7	3 0	15 42	0 40	25 56	2 55	23 20	2 12	16 55	0 46	2 34	2 38	3 7	0 45	22 17	0 33	18 5	5 16	23 5	22 57	24 51	18 11	5 21
S 11	19 19	8 21	3 50	16 16	0 33	25 49	2 55	23 21	2 15	16 54	0 47	2 34	2 38	3 7	0 45	22 17	0 33	18 5	5 16	23 5	22 57	24 50	18 11	5 21
S 12	19 33	3 9	4 30	16 50	0 26	25 42	2 54	23 22	2 17	16 54	0 47	2 34	2 37	3 7	0 45	22 17	0 33	18 5	5 16	23 5	22 58	24 50	18 12	5 21
M13	19 47	2s22	4 58	17 22	0 19	25 33	2 53	23 23	2 20	16 53	0 47	2 35	2 37	3 7	0 45	22 17	0 33	18 5	5 16	23 5	22 58	24 49	18 12	5 21
T 14	20 0	7 57	5 10	17 54	0 12	25 25	2 51	23 25	2 22	16 53	0 47	2 35	2 37	3 8	0 45	22 17	0 32	18 5	5 16	23 6	22 58	24 48	18 12	5 21
W15	20 14	13 21	5 4	18 25	0 5	25 15	2 50	23 27	2 25	16 53	0 48	2 35	2 37	3 8	0 45	22 16	0 32	18 5	5 16	23 6	22 59	24 47	18 12	5 21
T 16	20 26	18 10	4 39	18 55	0s 2	25 5	2 48	23 29	2 28	16 52	0 48	2 36	2 37	3 8	0 45	22 16	0 32	18 5	5 16	23 7	22 59	24 47	18 12	5 21
F 17	20 39	21 59	3 56	19 25	0 9	24 55	2 47	23 31	2 30	16 52	0 48	2 36	2 36	3 8	0 45	22 16	0 32	18 5	5 16	23 7	22 59	24 46	18 12	5 20
S 18	20 51	24 22	2 55	19 53	0 15	24 44	2 45	23 33	2 33	16 52	0 48	2 36	2 36	3 8	0 45	22 16	0 32	18 5	5 16	23 7	22 59	24 45	18 12	5 20
S 19	21 3	24 58	1 41	20 21	0 22	24 32	2 43	23 35	2 36	16 52	0 49	2 36	2 36	3 8	0 45	22 16	0 32	18 5	5 16	23 8	23 0	24 44	18 13	5 20
M20	21 14	23 43	0 21	20 48	0 28	24 20	2 41	23 38	2 38	16 52	0 49	2 36	2 36	3 8	0 45	22 16	0 32	18 5	5 16	23 8	23 0	24 43	18 13	5 20
T 21	21 25	20 50	1n 0	21 13	0 35	24 7	2 38	23 41	2 41	16 52	0 49	2 36	2 35	3 9	0 45	22 15	0 32	18 5	5 16	23 8	23 0	24 43	18 13	5 20
W22	21 35	16 40	2 15	21 38	0 41	23 54	2 36	23 44	2 44	16 52	0 49	2 36	2 35	3 9	0 45	22 15	0 32	18 5	5 16	23 8	23 1	24 42	18 13	5 20
T 23	21 45	11 40	3 20	22 1	0 47	23 40	2 33	23 47	2 46	16 52	0 50	2 36	2 35	3 9	0 45	22 15	0 32	18 5	5 16	23 8	23 1	24 41	18 13	5 20
F 24	21 55	6 13	4 12	22 24	0 53	23 26	2 30	23 50	2 49	16 52	0 50	2 36	2 35	3 9	0 45	22 15	0 32	18 5	5 16	23 8	23 1	24 40	18 13	5 20
S 25	22 4	0 38	4 48	22 45	0 59	23 11	2 27	23 53	2 52	16 52	0 50	2 35	2 34	3 9	0 45	22 15	0 32	18 4	5 16	23 8	23 1	24 39	18 13	5 20
S 26	22 13	4n50	5 9	23 6	1 5	22 55	2 23	23 57	2 55	16 52	0 50	2 35	2 34	3 9	0 45	22 15	0 32	18 4	5 16	23 8	23 2	24 39	18 13	5 20
M27	22 21	9 59	5 13	23 25	1 10	22 40	2 20	24 1	2 57	16 53	0 51	2 35	2 34	3 9	0 45	22 14	0 32	18 4	5 16	23 8	23 2	24 38	18 13	5 19
T 28	22 29	14 37	5 3	23 43	1 16	22 24	2 16	24 4	3 0	16 53	0 51	2 34	2 33	3 8	0 45	22 14	0 32	18 4	5 16	23 8	23 2	24 37	18 13	5 19
W29	22 36	18 35	4 38	23 59	1 21	22 7	2 12	24 8	3 3	16 53	0 51	2 34	2 33	3 8	0 45	22 14	0 32	18 4	5 16	23 9	23 3	24 36	18 13	5 19
T 30	22s43	21n42	4n 2	24s15	1s26	21s50	2s 8	24n12	3n 6	16n54	0n51	2s34	2s33	3s 8	0s45	22s14	0n32	18n 4	5s16	23s 9	23s 3	24n35	18s13	5n19

Julian Day Number = 2149435.5, Delta T = 14m22s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'26, Lahiri = 12°19'26 Julian Calendar 1 Nov. 1172 == Greg. Calendar 8 Nov. 1172

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ASTRODIENST EPHEMERIS for the year 1172
geocentric

DECEMBER 1172 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 6 32	16♐13'05	2♊ 2	17♐44	3♒10	25°R12	16°R 5	29♓27	23♓51	14♑28	22°R23	10°R11	11♑26	29♊59	1♑29	F 1
S 2	5 10 29	17°14'13	13°56	19°19	4° 6	25♋ 2	16♌ 4	29°28	23°51	14°30	22♊21	10♑ 8	11°23	0♋ 6	1°35	S 2
S 3	5 14 25	18°15'21	25°46	20°55	5° 2	24°52	16° 2	29°28	23°52	14°32	22°20	10° 6	11°20	0°12	1°41	S 3
M 4	5 18 22	19°16'30	7♋34	22°31	5°57	24°41	16° 1	29°29	23°52	14°34	22°19	10°D 5	11°17	0°19	1°47	M 4
T 5	5 22 18	20°17'39	19°21	24° 7	6°51	24°29	15°59	29°30	23°52	14°36	22°18	10° 6	11°13	0°26	1°53	T 5
W 6	5 26 15	21°18'49	1♌11	25°43	7°45	24°17	15°57	29°31	23°53	14°38	22°16	10° 7	11°10	0°32	1°59	W 6
T 7	5 30 11	22°19'59	13° 7	27°19	8°38	24° 3	15°55	29°33	23°53	14°41	22°15	10° 8	11° 7	0°39	2° 5	T 7
F 8	5 34 8	23°21'09	25°12	28°56	9°30	23°49	15°52	29°34	23°54	14°43	22°14	10°10	11° 4	0°46	2°11	F 8
S 9	5 38 5	24°22'20	7♍31	0♑33	10°22	23°34	15°50	29°36	23°55	14°45	22°13	10°11	11° 1	0°52	2°16	S 9
S 10	5 42 1	25°23'32	20° 8	2°10	11°13	23°18	15°47	29°37	23°55	14°47	22°12	10°R12	10°58	0°59	2°22	S 10
M11	5 45 58	26°24'43	3♎ 6	3°47	12° 3	23° 2	15°44	29°39	23°56	14°49	22°10	10°12	10°54	1° 6	2°28	M11
T 12	5 49 54	27°25'56	16°29	5°25	12°52	22°45	15°41	29°41	23°57	14°51	22° 9	10°11	10°51	1°12	2°34	T 12
W13	5 53 51	28°27'08	0♏20	7° 2	13°40	22°27	15°37	29°42	23°58	14°54	22° 8	10°10	10°48	1°19	2°40	W13
T 14	5 57 47	29°28'21	14°38	8°40	14°28	22° 8	15°34	29°44	23°59	14°56	22° 7	10° 8	10°45	1°26	2°46	T 14
F 15	6 1 44	0♑29'34	29°20	10°18	15°14	21°49	15°30	29°47	24° 0	14°58	22° 6	10° 7	10°42	1°32	2°52	F 15
S 16	6 5 40	1°30'47	14♐22	11°56	16° 0	21°29	15°26	29°49	24° 1	15° 0	22° 4	10° 6	10°39	1°39	2°58	S 16
S 17	6 9 37	2°32'01	29°35	13°35	16°45	21° 9	15°22	29°51	24° 2	15° 2	22° 3	10° 6	10°35	1°46	3° 4	S 17
M18	6 13 34	3°33'14	14♑49	15°13	17°28	20°48	15°18	29°54	24° 3	15° 5	22° 2	10°D 6	10°32	1°52	3°10	M18
T 19	6 17 30	4°34'27	29°54	16°51	18°11	20°26	15°13	29°56	24° 4	15° 7	22° 1	10° 6	10°29	1°59	3°16	T 19
W20	6 21 27	5°35'39	14♒42	18°28	18°52	20° 4	15° 9	29°59	24° 5	15° 9	22° 0	10° 6	10°26	2° 5	3°22	W20
T 21	6 25 23	6°36'51	29° 7	20° 6	19°32	19°42	15° 4	0♈ 1	24° 6	15°11	21°59	10° 7	10°23	2°12	3°28	T 21
F 22	6 29 20	7°38'02	13♓ 6	21°42	20°11	19°19	14°59	0° 4	24° 8	15°14	21°57	10° 7	10°19	2°19	3°34	F 22
S 23	6 33 16	8°39'13	26°37	23°18	20°48	18°56	14°54	0° 7	24° 9	15°16	21°56	10° 7	10°16	2°25	3°40	S 23
S 24	6 37 13	9°40'23	9♈44	24°54	21°25	18°33	14°48	0°10	24°10	15°18	21°55	10° 7	10°13	2°32	3°46	S 24
M25	6 41 10	10°41'32	22°27	26°27	21°59	18°10	14°43	0°13	24°12	15°20	21°54	10° 7	10°10	2°39	3°52	M25
T 26	6 45 6	11°42'41	4♉52	28° 0	22°33	17°46	14°37	0°17	24°13	15°23	21°53	10° 7	10° 7	2°45	3°58	T 26
W27	6 49 3	12°43'49	17° 3	29°30	23° 4	17°22	14°32	0°20	24°15	15°25	21°52	10° 7	10° 4	2°52	4° 4	W27
T 28	6 52 59	13°44'56	29° 2	0♒58	23°35	16°58	14°26	0°23	24°16	15°27	21°51	10° 8	10° 0	2°59	4°10	T 28
F 29	6 56 56	14°46'02	10♊55	2°24	24° 3	16°34	14°20	0°27	24°18	15°30	21°49	10° 8	9°57	3° 5	4°16	F 29
S 30	7 0 52	15°47'08	22°43	3°46	24°30	16°10	14°14	0°31	24°20	15°32	21°48	10° 9	9°54	3°12	4°22	S 30
S 31	7 4 49	16♑48'13	4♋30	5♒ 4	24♒55	15♋46	14♌ 8	0♈34	24♓21	15♑34	21♊47	10°R 9	9♑51	3♋19	4♑28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s50	23n50	3n15	24s29	1s31	21s33	2s 4	24n17	3n 8	16n55	0n52	2s33	2s33	3s 8	0s45	22s14	0n32	18n 4	5s16	23s 9	23s 3	24n34	18s13	5n19
S 2	22 56	24 53	2 19	24 42	1 35	21 15	1 59	24 21	3 11	16 55	0 52	2 33	2 32	3 8	0 45	22 13	0 32	18 4	5 16	23 9	23 3	24 33	18 13	5 19
S 3	23 2	24 47	1 18	24 53	1 40	20 57	1 55	24 26	3 14	16 56	0 52	2 32	2 32	3 8	0 45	22 13	0 32	18 4	5 16	23 10	23 4	24 33	18 13	5 19
M 4	23 7	23 34	0 14	25 4	1 44	20 38	1 50	24 30	3 17	16 57	0 52	2 32	2 32	3 8	0 44	22 13	0 32	18 4	5 16	23 10	23 4	24 32	18 13	5 19
T 5	23 11	21 18	0s51	25 12	1 48	20 20	1 45	24 35	3 19	16 57	0 53	2 31	2 32	3 7	0 44	22 13	0 32	18 4	5 16	23 10	23 4	24 31	18 13	5 19
W 6	23 16	18 8	1 54	25 20	1 51	20 1	1 39	24 40	3 22	16 58	0 53	2 30	2 31	3 7	0 44	22 12	0 32	18 4	5 16	23 10	23 4	24 30	18 13	5 19
T 7	23 19	14 11	2 53	25 26	1 54	19 41	1 34	24 45	3 25	16 59	0 53	2 29	2 31	3 7	0 44	22 12	0 32	18 4	5 16	23 9	23 5	24 29	18 13	5 19
F 8	23 23	9 39	3 45	25 30	1 57	19 22	1 28	24 50	3 27	17 0	0 53	2 29	2 31	3 7	0 44	22 12	0 32	18 4	5 15	23 9	23 5	24 28	18 13	5 19
S 9	23 26	4 39	4 27	25 33	2 0	19 2	1 22	24 55	3 30	17 1	0 54	2 28	2 31	3 6	0 44	22 12	0 32	18 4	5 15	23 9	23 5	24 27	18 13	5 19
S 10	23 28	0s38	4 58	25 34	2 2	18 42	1 15	25 1	3 32	17 2	0 54	2 27	2 30	3 6	0 44	22 12	0 32	18 4	5 15	23 9	23 6	24 26	18 12	5 19
M11	23 30	6 3	5 15	25 34	2 4	18 21	1 9	25 6	3 35	17 3	0 54	2 26	2 30	3 6	0 44	22 11	0 32	18 4	5 15	23 9	23 6	24 25	18 12	5 19
T 12	23 31	11 21	5 15	25 32	2 6	18 1	1 2	25 11	3 37	17 5	0 54	2 25	2 30	3 5	0 44	22 11	0 32	18 4	5 15	23 9	23 6	24 24	18 12	5 19
W13	23 32	16 17	4 58	25 29	2 7	17 40	0 55	25 17	3 40	17 6	0 55	2 24	2 30	3 5	0 44	22 11	0 32	18 4	5 15	23 9	23 6	24 23	18 12	5 19
T 14	23 33	20 28	4 22	25 23	2 8	17 20	0 48	25 22	3 42	17 7	0 55	2 23	2 29	3 5	0 44	22 11	0 32	18 4	5 15	23 9	23 7	24 22	18 12	5 19
F 15	23 33	23 29	3 28	25 17	2 8	16 59	0 40	25 27	3 44	17 8	0 55	2 22	2 29	3 4	0 44	22 10	0 32	18 4	5 15	23 10	23 7	24 22	18 12	5 19
S 16	23 32	24 55	2 18	25 8	2 8	16 38	0 32	25 33	3 46	17 10	0 55	2 21	2 29	3 4	0 44	22 10	0 32	18 4	5 15	23 10	23 7	24 21	18 11	5 19
S 17	23 31	24 31	0 58	24 58	2 8	16 17	0 24	25 38	3 48	17 11	0 56	2 20	2 29	3 3	0 44	22 10	0 32	18 4	5 15	23 10	23 7	24 20	18 11	5 19
M18	23 30	22 17	0n26	24 46	2 7	15 55	0 16	25 43	3 50	17 13	0 56	2 19	2 28	3 3	0 44	22 10	0 32	18 4	5 15	23 10	23 8	24 19	18 11	5 20
T 19	23 28	18 30	1 48	24 33	2 5	15 34	0 8	25 49	3 52	17 14	0 56	2 17	2 28	3 2	0 44	22 10	0 32	18 4	5 15	23 10	23 8	24 18	18 11	5 20
W20	23 26	13 37	3 1	24 18	2 3	15 13	0n 1	25 54	3 54	17 16	0 56	2 16	2 28	3 2	0 44	22 9	0 32	18 4	5 15	23 10	23 8	24 17	18 11	5 20
T 21	23 23	8 5	4 0	24 1	2 0	14 52	0 10	25 59	3 56	17 18	0 57	2 15	2 28	3 1	0 44	22 9	0 32	18 4	5 15	23 10	23 8	24 16	18 10	5 20
F 22	23 20	2 18	4 44	23 42	1 56	14 31	0 20	26 4	3 58	17 19	0 57	2 13	2 27	3 1	0 44	22 9	0 32	18 4	5 15	23 10	23 9	24 15	18 10	5 20
S 23	23 16	3n23	5 9	23 22	1 52	14 10	0 29	26 9	4 0	17 21	0 57	2 12	2 27	3 0	0 44	22 9	0 32	18 4	5 14	23 10	23 9	24 14	18 10	5 20
S 24	23 12	8 44	5 18	23 1	1 48	13 49	0 39	26 14	4 1	17 23	0 57	2 11	2 27	3 0	0 44	22 8	0 32	18 4	5 14	23 10	23 9	24 13	18 10	5 20
M25	23 7	13 35	5 11	22 37	1 42	13 28	0 49	26 19	4 3	17 24	0 58	2 9	2 27	2 59	0 44	22 8	0 32	18 4	5 14	23 10	23 9	24 12	18 9	5 20
T 26	23 2	17 44	4 49	22 13	1 36	13 7	1 0	26 23	4 4	17 26	0 58	2 8	2 26	2 58	0 44	22 8	0 32	18 4	5 14	23 10	23 10	24 11	18 9	5 20
W27	22 56	21 4	4 15	21 47	1 28	12 47	1 11	26 28	4 5	17 28	0 58	2 6	2 26	2 58	0 44	22 8	0 32	18 4	5 14	23 10	23 10	24 10	18 9	5 20
T 28	22 50	23 26	3 29	21 20	1 20	12 26	1 22	26 32	4 6	17 30	0 58	2 4	2 26	2 57	0 44	22 7	0 32	18 4	5 14	23 9	23 10	24 9	18 8	5 21
F 29	22 43	24 45	2 36	20 52	1 11	12 6	1 33	26 36	4 7	17 32	0 58	2 3	2 26	2 56	0 44	22 7	0 32	18 4	5 14	23 9	23 10	24 8	18 8	5 21
S 30	22 37	24 56	1 35	20 24	1 1	11 46	1 44	26 40	4 8	17 34	0 59	2 1	2 25	2 56	0 43	22 7	0 32	18 4	5 14	23 9	23 11	24 7	18 8	5 21
S 31	22s29	24n 0	0n31	19s54	0s51	11s27	1n56	26n44	4n 9	17n36	0n59	1s59	2s25	2s55	0s43	22s 7	0n32	18n 4	5s14	23s 9	23s11	24n 6	18s 7	5n21

Julian Day Number = 2149465.5, Delta T = 14m22s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'30, Lahiri = 12°19'30 Julian Calendar 1 Dec. 1172 == Greg. Calendar 8 Dec. 1172

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

JANUARY 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 8 45	17♑49'17	16♋19	6♒18	25♒18	15°R22	14°R 1	0♈38	24♓23	15♑36	21°R46	10°R 9	9♑48	3♋25	4♑34	M 1
T 2	7 12 42	18°50'21	28°11	7°26	25°40	14♋58	13♌55	0°42	24°25	15°39	21♊45	10♑ 9	9°45	3°32	4°40	T 2
W 3	7 16 39	19°51'24	10♌ 9	8°28	25°59	14°35	13°48	0°46	24°27	15°41	21°44	10° 8	9°41	3°39	4°45	W 3
T 4	7 20 35	20°52'26	22°14	9°24	26°16	14°11	13°41	0°50	24°29	15°43	21°43	10° 6	9°38	3°45	4°51	T 4
F 5	7 24 32	21°53'27	4♍29	10°11	26°32	13°48	13°34	0°54	24°31	15°46	21°42	10° 5	9°35	3°52	4°57	F 5
S 6	7 28 28	22°54'27	16°55	10°50	26°45	13°25	13°27	0°58	24°33	15°48	21°41	10° 3	9°32	3°58	5° 3	S 6
S 7	7 32 25	23°55'27	29°36	11°20	26°56	13° 3	13°20	1° 3	24°35	15°50	21°40	10° 1	9°29	4° 5	5° 9	S 7
M 8	7 36 21	24°56'27	12♎34	11°40	27° 4	12°41	13°13	1° 7	24°37	15°52	21°39	10° 0	9°25	4°12	5°14	M 8
T 9	7 40 18	25°57'25	25°51	11°R48	27°11	12°19	13° 6	1°12	24°39	15°55	21°38	10°D 0	9°22	4°18	5°20	T 9
W10	7 44 14	26°58'23	9♏30	11°46	27°15	11°58	12°59	1°16	24°41	15°57	21°37	10° 0	9°19	4°25	5°26	W10
T 11	7 48 11	27°59'20	23°32	11°32	27°R16	11°37	12°51	1°21	24°43	15°59	21°36	10° 1	9°16	4°32	5°31	T 11
F 12	7 52 8	29° 0'17	7♐55	11° 7	27°15	11°17	12°44	1°26	24°45	16° 1	21°35	10° 2	9°13	4°38	5°37	F 12
S 13	7 56 4	0♒ 1'13	22°39	10°32	27°12	10°57	12°36	1°31	24°48	16° 4	21°34	10° 4	9°10	4°45	5°43	S 13
S 14	8 0 1	1° 2'08	7♑36	9°46	27° 6	10°38	12°28	1°36	24°50	16° 6	21°33	10°R 4	9° 6	4°52	5°48	S 14
M15	8 3 57	2° 3'01	22°42	8°52	26°57	10°20	12°21	1°41	24°52	16° 8	21°32	10° 4	9° 3	4°58	5°54	M15
T 16	8 7 54	3° 3'54	7♒45	7°50	26°46	10° 2	12°13	1°46	24°55	16°10	21°32	10° 2	9° 0	5° 5	5°59	T 16
W17	8 11 50	4° 4'45	22°38	6°43	26°33	9°45	12° 5	1°51	24°57	16°12	21°31	9°59	8°57	5°12	6° 5	W17
T 18	8 15 47	5° 5'35	7♓12	5°32	26°17	9°29	11°57	1°56	25° 0	16°15	21°30	9°56	8°54	5°18	6°10	T 18
F 19	8 19 43	6° 6'24	21°22	4°20	25°59	9°13	11°50	2° 1	25° 2	16°17	21°29	9°52	8°51	5°25	6°16	F 19
S 20	8 23 40	7° 7'10	5♈ 4	3° 9	25°38	8°58	11°42	2° 7	25° 5	16°19	21°28	9°48	8°47	5°31	6°21	S 20
S 21	8 27 37	8° 7'56	18°19	1°59	25°15	8°44	11°34	2°12	25° 7	16°21	21°27	9°46	8°44	5°38	6°26	S 21
M22	8 31 33	9° 8'39	1♉ 8	0°54	24°50	8°31	11°26	2°18	25°10	16°23	21°27	9°44	8°41	5°45	6°32	M22
T 23	8 35 30	10° 9'21	13°35	29♑54	24°22	8°18	11°18	2°23	25°12	16°25	21°26	9°D44	8°38	5°51	6°37	T 23
W24	8 39 26	11°10'02	25°44	29° 1	23°53	8° 6	11°10	2°29	25°15	16°27	21°25	9°45	8°35	5°58	6°42	W24
T 25	8 43 23	12°10'40	7♊41	28°15	23°22	7°55	11° 2	2°35	25°18	16°30	21°24	9°46	8°31	6° 5	6°47	T 25
F 26	8 47 19	13°11'17	19°30	27°36	22°49	7°45	10°54	2°41	25°21	16°32	21°24	9°48	8°28	6°11	6°52	F 26
S 27	8 51 16	14°11'52	1♋17	27° 5	22°15	7°36	10°46	2°46	25°23	16°34	21°23	9°50	8°25	6°18	6°57	S 27
S 28	8 55 12	15°12'26	13° 4	26°42	21°40	7°27	10°38	2°52	25°26	16°36	21°22	9°R50	8°22	6°25	7° 3	S 28
M29	8 59 9	16°12'57	24°56	26°27	21° 3	7°19	10°30	2°58	25°29	16°38	21°22	9°49	8°19	6°31	7° 8	M29
T 30	9 3 6	17°13'27	6♌56	26°19	20°26	7°12	10°22	3° 4	25°32	16°40	21°21	9°45	8°16	6°38	7°13	T 30
W31	9 7 2	18♒13'56	19♌ 5	26°D18	19♒49	7♋ 6	10♌15	3♈10	25♓35	16♑42	21♊21	9♑41	8♑12	6♋45	7♑17	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s21	21n59	0s34	19s25	0s39	11s 8	2n 8	26n48	4n10	17n38	0n59	1s58	2s25	2s54	0s43	22s 6	0n32	18n 4	5s14	23s 9	23s11	24n 5	18s 7	5n21
T 2	22 13	19 0	1 39	18 55	0 26	10 49	2 21	26 51	4 10	17 40	0 59	1 56	2 25	2 53	0 43	22 6	0 32	18 4	5 13	23 9	23 11	24 3	18 7	5 21
W 3	22 4	15 14	2 39	18 26	0 12	10 31	2 33	26 54	4 11	17 42	0 59	1 54	2 24	2 53	0 43	22 6	0 32	18 5	5 13	23 10	23 11	24 2	18 6	5 22
T 4	21 55	10 48	3 33	17 57	0n 2	10 13	2 46	26 57	4 11	17 45	1 0	1 52	2 24	2 52	0 43	22 6	0 32	18 5	5 13	23 10	23 12	24 1	18 6	5 22
F 5	21 46	5 54	4 18	17 29	0 18	9 55	2 59	27 0	4 12	17 47	1 0	1 50	2 24	2 51	0 43	22 5	0 32	18 5	5 13	23 10	23 12	24 0	18 6	5 22
S 6	21 36	0 43	4 52	17 3	0 34	9 39	3 12	27 3	4 12	17 49	1 0	1 49	2 24	2 50	0 43	22 5	0 32	18 5	5 13	23 10	23 12	23 59	18 5	5 22
S 7	21 25	4s36	5 12	16 38	0 51	9 22	3 26	27 5	4 12	17 51	1 0	1 47	2 24	2 49	0 43	22 5	0 32	18 5	5 13	23 10	23 12	23 58	18 5	5 22
M 8	21 14	9 50	5 16	16 16	1 8	9 6	3 39	27 7	4 12	17 53	1 0	1 45	2 23	2 49	0 43	22 5	0 32	18 5	5 13	23 10	23 13	23 57	18 4	5 22
T 9	21 3	14 45	5 5	15 57	1 26	8 51	3 53	27 9	4 12	17 56	1 1	1 43	2 23	2 48	0 43	22 4	0 32	18 5	5 13	23 10	23 13	23 56	18 4	5 23
W10	20 51	19 4	4 36	15 40	1 44	8 37	4 7	27 11	4 12	17 58	1 1	1 41	2 23	2 47	0 43	22 4	0 32	18 5	5 12	23 10	23 13	23 55	18 3	5 23
T 11	20 39	22 27	3 50	15 27	2 2	8 23	4 21	27 13	4 12	18 0	1 1	1 39	2 23	2 46	0 43	22 4	0 32	18 5	5 12	23 10	23 13	23 54	18 3	5 23
F 12	20 27	24 30	2 49	15 17	2 19	8 10	4 35	27 14	4 11	18 2	1 1	1 36	2 23	2 45	0 43	22 3	0 32	18 5	5 12	23 10	23 14	23 53	18 3	5 23
S 13	20 14	24 55	1 35	15 11	2 36	7 58	4 49	27 15	4 11	18 5	1 1	1 34	2 22	2 44	0 43	22 3	0 32	18 5	5 12	23 10	23 14	23 51	18 2	5 24
S 14	20 1	23 33	0 14	15 8	2 51	7 47	5 4	27 17	4 10	18 7	1 1	1 32	2 22	2 43	0 43	22 3	0 32	18 5	5 12	23 10	23 14	23 50	18 2	5 24
M15	19 48	20 29	1n 9	15 9	3 5	7 36	5 18	27 17	4 10	18 9	1 1	1 30	2 22	2 42	0 43	22 3	0 32	18 5	5 12	23 10	23 14	23 49	18 1	5 24
T 16	19 34	16 3	2 27	15 13	3 17	7 27	5 32	27 18	4 9	18 12	1 2	1 28	2 22	2 41	0 43	22 2	0 32	18 5	5 12	23 10	23 14	23 48	18 1	5 24
W17	19 19	10 40	3 34	15 21	3 27	7 18	5 46	27 19	4 8	18 14	1 2	1 26	2 22	2 40	0 43	22 2	0 32	18 5	5 12	23 10	23 15	23 47	18 0	5 25
T 18	19 5	4 48	4 25	15 30	3 34	7 10	6 0	27 19	4 7	18 16	1 2	1 23	2 21	2 39	0 43	22 2	0 32	18 6	5 11	23 10	23 15	23 46	18 0	5 25
F 19	18 50	1n 8	4 58	15 42	3 40	7 4	6 13	27 19	4 6	18 19	1 2	1 21	2 21	2 38	0 43	22 2	0 32	18 6	5 11	23 11	23 15	23 45	17 59	5 25
S 20	18 35	6 49	5 13	15 56	3 42	6 58	6 26	27 19	4 5	18 21	1 2	1 19	2 21	2 37	0 43	22 1	0 32	18 6	5 11	23 11	23 15	23 43	17 59	5 25
S 21	18 19	12 0	5 11	16 11	3 43	6 53	6 39	27 19	4 4	18 23	1 2	1 16	2 21	2 36	0 43	22 1	0 32	18 6	5 11	23 11	23 15	23 42	17 58	5 26
M22	18 3	16 29	4 53	16 27	3 41	6 50	6 52	27 19	4 3	18 26	1 2	1 14	2 21	2 35	0 43	22 1	0 32	18 6	5 11	23 11	23 16	23 41	17 57	5 26
T 23	17 47	20 8	4 21	16 44	3 37	6 47	7 4	27 19	4 2	18 28	1 3	1 12	2 20	2 34	0 43	22 1	0 32	18 6	5 11	23 11	23 16	23 40	17 57	5 26
W24	17 30	22 49	3 39	17 0	3 31	6 46	7 15	27 18	4 1	18 30	1 3	1 9	2 20	2 33	0 43	22 0	0 32	18 6	5 11	23 11	23 16	23 39	17 56	5 27
T 25	17 13	24 26	2 47	17 17	3 24	6 46	7 26	27 18	4 0	18 33	1 3	1 7	2 20	2 32	0 43	22 0	0 31	18 6	5 10	23 11	23 16	23 38	17 56	5 27
F 26	16 56	24 57	1 49	17 33	3 15	6 46	7 37	27 17	3 58	18 35	1 3	1 4	2 20	2 31	0 43	22 0	0 31	18 6	5 10	23 11	23 16	23 36	17 55	5 27
S 27	16 39	24 19	0 47	17 48	3 5	6 48	7 46	27 16	3 57	18 37	1 3	1 2	2 20	2 30	0 43	22 0	0 31	18 6	5 10	23 11	23 17	23 35	17 55	5 28
S 28	16 21	22 36	0s18	18 3	2 54	6 51	7 55	27 15	3 56	18 39	1 3	0 59	2 20	2 28	0 43	21 59	0 31	18 7	5 10	23 11	23 17	23 34	17 54	5 28
M29	16 3	19 54	1 22	18 17	2 43	6 55	8 3	27 14	3 54	18 42	1 3	0 57	2 19	2 27	0 43	21 59	0 31	18 7	5 10	23 11	23 17	23 33	17 53	5 28
T 30	15 45	16 20	2 22	18 31	2 31	6 59	8 10	27 13	3 53	18 44	1 3	0 54	2 19	2 26	0 42	21 59	0 31	18 7	5 10	23 11	23 17	23 32	17 53	5 29
W31	15s26	12n 3	3s17	18s43	2n19	7s 5	8n16	27n12	3n51	18n46	1n 3	0s52	2s19	2s25	0s42	21s59	0n31	18n 7	5s10	23s12	23s17	23n30	17s52	5n29

Julian Day Number = 2149496.5, Delta T = 14m21s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'34, Lahiri = 12°19'35 Julian Calendar 1 Jan. 1173 == Greg. Calendar 8 Jan. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

FEBRUARY 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 59	19♒14'22	1♍24	26♑24	19°R11	7°R 1	10°R 7	3♈17	25♓37	16♑44	21°R20	9°R34	8♑ 9	6♋51	7♑22	T 1
F 2	9 14 55	20°14'47	13°55	26°37	18♒34	6♋56	9♌59	3°23	25°40	16°46	21♊19	9♑27	8° 6	6°58	7°27	F 2
S 3	9 18 52	21°15'11	26°38	26°55	17°57	6°52	9°51	3°29	25°43	16°48	21°19	9°19	8° 3	7° 5	7°32	S 3
S 4	9 22 48	22°15'33	9♎34	27°19	17°20	6°49	9°44	3°35	25°46	16°50	21°18	9°12	8° 0	7°11	7°37	S 4
M 5	9 26 45	23°15'53	22°42	27°48	16°44	6°47	9°36	3°42	25°49	16°52	21°18	9° 6	7°57	7°18	7°41	M 5
T 6	9 30 41	24°16'12	6♏ 4	28°22	16° 9	6°45	9°29	3°48	25°52	16°54	21°17	9° 3	7°53	7°24	7°46	T 6
W 7	9 34 38	25°16'29	19°41	29° 0	15°36	6°44	9°21	3°55	25°55	16°55	21°17	9°D 1	7°50	7°31	7°51	W 7
T 8	9 38 35	26°16'45	3♐33	29°43	15° 4	6°D44	9°14	4° 1	25°58	16°57	21°16	9° 1	7°47	7°38	7°55	T 8
F 9	9 42 31	27°17'00	17°40	0♒29	14°34	6°45	9° 7	4° 8	26° 2	16°59	21°16	9° 2	7°44	7°44	8° 0	F 9
S 10	9 46 28	28°17'13	2♑ 1	1°19	14° 5	6°46	9° 0	4°15	26° 5	17° 1	21°16	9°R 3	7°41	7°51	8° 4	S 10
S 11	9 50 24	29°17'25	16°35	2°12	13°39	6°48	8°53	4°21	26° 8	17° 3	21°15	9° 3	7°37	7°58	8° 8	S 11
M12	9 54 21	0♓17'35	1♒17	3° 8	13°15	6°51	8°46	4°28	26°11	17° 5	21°15	9° 1	7°34	8° 4	8°13	M12
T 13	9 58 17	1°17'43	16° 1	4° 7	12°53	6°55	8°39	4°35	26°14	17° 6	21°15	8°57	7°31	8°11	8°17	T 13
W14	10 2 14	2°17'49	0♓40	5° 9	12°33	6°59	8°32	4°42	26°17	17° 8	21°14	8°50	7°28	8°18	8°21	W14
T 15	10 6 10	3°17'53	15° 7	6°13	12°15	7° 4	8°25	4°49	26°21	17°10	21°14	8°41	7°25	8°24	8°25	T 15
F 16	10 10 7	4°17'55	29°15	7°19	12° 0	7° 9	8°19	4°56	26°24	17°12	21°14	8°32	7°22	8°31	8°29	F 16
S 17	10 14 4	5°17'56	12♈59	8°28	11°48	7°16	8°12	5° 2	26°27	17°13	21°14	8°23	7°18	8°38	8°33	S 17
S 18	10 18 0	6°17'54	26°17	9°38	11°38	7°22	8° 6	5° 9	26°30	17°15	21°13	8°15	7°15	8°44	8°37	S 18
M19	10 21 57	7°17'50	9♉11	10°51	11°30	7°30	8° 0	5°17	26°34	17°17	21°13	8° 9	7°12	8°51	8°41	M19
T 20	10 25 53	8°17'43	21°41	12° 5	11°25	7°38	7°54	5°24	26°37	17°18	21°13	8° 5	7° 9	8°57	8°45	T 20
W21	10 29 50	9°17'35	3♊53	13°22	11°22	7°47	7°48	5°31	26°40	17°20	21°13	8° 3	7° 6	9° 4	8°49	W21
T 22	10 33 46	10°17'24	15°51	14°40	11°D22	7°56	7°42	5°38	26°43	17°21	21°13	8°D 3	7° 2	9°11	8°52	T 22
F 23	10 37 43	11°17'11	27°41	15°59	11°24	8° 6	7°37	5°45	26°47	17°23	21°13	8° 4	6°59	9°17	8°56	F 23
S 24	10 41 39	12°16'56	9♋28	17°21	11°28	8°17	7°31	5°52	26°50	17°24	21°13	8°R 4	6°56	9°24	9° 0	S 24
S 25	10 45 36	13°16'39	21°17	18°44	11°35	8°28	7°26	5°59	26°53	17°26	21°13	8° 3	6°53	9°31	9° 3	S 25
M26	10 49 33	14°16'19	3♌13	20° 8	11°44	8°39	7°21	6° 7	26°57	17°27	21°13	8° 0	6°50	9°37	9° 7	M26
T 27	10 53 29	15°15'57	15°20	21°34	11°55	8°51	7°16	6°14	27° 0	17°29	21°D13	7°55	6°47	9°44	9°10	T 27
W28	10 57 26	16♓15'33	27♌40	23♒ 1	12♒ 8	9♋ 4	7♌11	6♈21	27♓ 4	17♑30	21♊13	7♑46	6♑43	9♋51	9♑13	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 7	7n14	4s 4	18s54	2n 6	7s11	8n21	27n11	3n50	18n48	1n 3	0s49	2s19	2s24	0s42	21s58	0n31	18n 7	5s 9	23s12	23s18	23n29	17s52	5n29
F 2	14 48	2 3	4 39	19 4	1 54	7 19	8 25	27 10	3 48	18 51	1 3	0 46	2 19	2 23	0 42	21 58	0 31	18 7	5 9	23 13	23 18	23 28	17 51	5 30
S 3	14 29	3s16	5 2	19 13	1 41	7 27	8 29	27 8	3 46	18 53	1 3	0 44	2 19	2 21	0 42	21 58	0 31	18 7	5 9	23 13	23 18	23 27	17 50	5 30
S 4	14 9	8 32	5 9	19 20	1 29	7 35	8 31	27 7	3 45	18 55	1 4	0 41	2 19	2 20	0 42	21 58	0 31	18 7	5 9	23 14	23 18	23 25	17 50	5 30
M 5	13 49	13 31	5 1	19 27	1 16	7 44	8 32	27 5	3 43	18 57	1 4	0 38	2 18	2 19	0 42	21 57	0 31	18 7	5 9	23 14	23 18	23 24	17 49	5 31
T 6	13 29	17 56	4 36	19 32	1 4	7 54	8 33	27 4	3 42	18 59	1 4	0 36	2 18	2 18	0 42	21 57	0 31	18 8	5 9	23 14	23 19	23 23	17 49	5 31
W 7	13 9	21 30	3 55	19 36	0 52	8 4	8 32	27 2	3 40	19 1	1 4	0 33	2 18	2 16	0 42	21 57	0 31	18 8	5 8	23 14	23 19	23 22	17 48	5 32
T 8	12 49	23 54	3 0	19 38	0 41	8 14	8 31	27 1	3 38	19 3	1 4	0 30	2 18	2 15	0 42	21 57	0 31	18 8	5 8	23 14	23 19	23 20	17 47	5 32
F 9	12 28	24 51	1 53	19 40	0 29	8 25	8 28	26 59	3 37	19 5	1 4	0 27	2 18	2 14	0 42	21 56	0 31	18 8	5 8	23 14	23 19	23 19	17 47	5 32
S 10	12 7	24 10	0 38	19 40	0 18	8 36	8 25	26 57	3 35	19 7	1 4	0 25	2 18	2 13	0 42	21 56	0 31	18 8	5 8	23 14	23 19	23 18	17 46	5 33
S 11	11 46	21 50	0n41	19 38	0 7	8 47	8 21	26 55	3 33	19 9	1 4	0 22	2 18	2 11	0 42	21 56	0 31	18 8	5 8	23 14	23 20	23 17	17 45	5 33
M12	11 25	18 4	1 57	19 36	0s 3	8 58	8 17	26 54	3 32	19 11	1 4	0 19	2 17	2 10	0 42	21 56	0 31	18 8	5 8	23 14	23 20	23 15	17 45	5 34
T 13	11 4	13 9	3 5	19 32	0 13	9 10	8 11	26 52	3 30	19 12	1 4	0 16	2 17	2 9	0 42	21 56	0 31	18 9	5 7	23 15	23 20	23 14	17 44	5 34
W14	10 42	7 31	4 1	19 26	0 23	9 21	8 5	26 50	3 28	19 14	1 4	0 13	2 17	2 8	0 42	21 55	0 31	18 9	5 7	23 15	23 20	23 13	17 43	5 34
T 15	10 20	1 35	4 41	19 20	0 32	9 32	7 59	26 48	3 27	19 16	1 4	0 11	2 17	2 6	0 42	21 55	0 31	18 9	5 7	23 16	23 20	23 11	17 43	5 35
F 16	9 59	4n18	5 2	19 12	0 41	9 43	7 52	26 46	3 25	19 18	1 4	0 8	2 17	2 5	0 42	21 55	0 31	18 9	5 7	23 16	23 20	23 10	17 42	5 35
S 17	9 37	9 49	5 5	19 2	0 50	9 53	7 44	26 44	3 23	19 19	1 4	0 5	2 17	2 4	0 42	21 55	0 31	18 9	5 7	23 17	23 21	23 9	17 41	5 36
S 18	9 14	14 42	4 51	18 51	0 58	10 4	7 36	26 42	3 22	19 21	1 4	0 2	2 17	2 2	0 42	21 54	0 31	18 9	5 7	23 17	23 21	23 7	17 40	5 36
M19	8 52	18 45	4 22	18 39	1 6	10 14	7 28	26 40	3 20	19 23	1 4	0n 1	2 17	2 1	0 42	21 54	0 31	18 9	5 6	23 18	23 21	23 6	17 40	5 37
T 20	8 30	21 50	3 42	18 25	1 14	10 24	7 19	26 37	3 18	19 24	1 4	0 4	2 17	2 0	0 42	21 54	0 31	18 10	5 6	23 18	23 21	23 5	17 39	5 37
W21	8 7	23 51	2 52	18 11	1 21	10 33	7 10	26 35	3 17	19 26	1 4	0 7	2 17	1 58	0 42	21 54	0 31	18 10	5 6	23 18	23 21	23 3	17 38	5 37
T 22	7 45	24 43	1 56	17 54	1 28	10 42	7 0	26 33	3 15	19 27	1 4	0 10	2 16	1 57	0 42	21 54	0 32	18 10	5 6	23 18	23 22	23 2	17 38	5 38
F 23	7 22	24 27	0 55	17 36	1 34	10 51	6 51	26 31	3 13	19 29	1 4	0 13	2 16	1 56	0 42	21 53	0 32	18 10	5 6	23 18	23 22	23 1	17 37	5 38
S 24	6 59	23 5	0s 7	17 17	1 40	10 59	6 41	26 28	3 12	19 30	1 4	0 15	2 16	1 54	0 42	21 53	0 32	18 10	5 6	23 18	23 22	22 59	17 36	5 39
S 25	6 36	20 42	1 10	16 57	1 45	11 7	6 31	26 26	3 10	19 31	1 4	0 18	2 16	1 53	0 42	21 53	0 32	18 10	5 5	23 18	23 22	22 58	17 36	5 39
M26	6 13	17 25	2 10	16 35	1 50	11 15	6 21	26 24	3 8	19 33	1 4	0 21	2 16	1 52	0 42	21 53	0 32	18 11	5 5	23 18	23 22	22 57	17 35	5 40
T 27	5 50	13 22	3 5	16 12	1 55	11 22	6 11	26 21	3 7	19 34	1 4	0 24	2 16	1 50	0 42	21 53	0 32	18 11	5 5	23 19	23 22	22 55	17 34	5 40
W28	5s27	8n43	3s52	15s47	1s59	11s28	6n 0	26n19	3n 5	19n35	1n 4	0n27	2s16	1s49	0s42	21s53	0n32	18n11	5s 5	23s19	23s23	22n54	17s34	5n41

Julian Day Number = 2149527.5, Delta T = 14m21s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'38, Lahiri = 12°19'39 Julian Calendar 1 Feb. 1173 == Greg. Calendar 8 Feb. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

MARCH 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 22	17♓15'06	10♍15	24♒29	12♒23	9♋17	7°R 6	6♈29	27♓ 7	17♑32	21♊13	7°R36	6♑40	9♋57	9♑16	T 1
F 2	11 5 19	18°14'38	23° 5	26° 0	12°41	9°31	7♌ 2	6°36	27°10	17°33	21°13	7♑24	6°37	10° 4	9°20	F 2
S 3	11 9 15	19°14'07	6♎10	27°31	13° 0	9°45	6°57	6°43	27°14	17°34	21°13	7°11	6°34	10°11	9°23	S 3
S 4	11 13 12	20°13'34	19°28	29° 4	13°21	9°59	6°53	6°51	27°17	17°35	21°13	7° 0	6°31	10°17	9°26	S 4
M 5	11 17 8	21°13'00	2♏57	0♓38	13°44	10°14	6°49	6°58	27°21	17°37	21°13	6°50	6°28	10°24	9°29	M 5
T 6	11 21 5	22°12'24	16°36	2°13	14° 9	10°30	6°45	7° 6	27°24	17°38	21°13	6°43	6°24	10°30	9°32	T 6
W 7	11 25 1	23°11'46	0♐24	3°50	14°35	10°46	6°42	7°13	27°27	17°39	21°13	6°39	6°21	10°37	9°34	W 7
T 8	11 28 58	24°11'06	14°19	5°28	15° 3	11° 2	6°38	7°21	27°31	17°40	21°14	6°38	6°18	10°44	9°37	T 8
F 9	11 32 55	25°10'24	28°21	7° 8	15°33	11°19	6°35	7°28	27°34	17°42	21°14	6°37	6°15	10°50	9°40	F 9
S 10	11 36 51	26° 9'41	12♑29	8°49	16° 4	11°36	6°32	7°36	27°38	17°43	21°14	6°37	6°12	10°57	9°42	S 10
S 11	11 40 48	27° 8'56	26°42	10°31	16°36	11°54	6°29	7°43	27°41	17°44	21°14	6°36	6° 8	11° 4	9°45	S 11
M12	11 44 44	28° 8'09	11♒ 0	12°15	17°10	12°12	6°26	7°51	27°45	17°45	21°15	6°33	6° 5	11°10	9°47	M12
T 13	11 48 41	29° 7'20	25°17	14° 0	17°45	12°31	6°23	7°59	27°48	17°46	21°15	6°27	6° 2	11°17	9°50	T 13
W14	11 52 37	0♈ 6'29	9♓31	15°46	18°22	12°49	6°21	8° 6	27°51	17°47	21°15	6°18	5°59	11°24	9°52	W14
T 15	11 56 34	1° 5'36	23°36	17°34	19° 0	13° 9	6°19	8°14	27°55	17°48	21°16	6° 6	5°56	11°30	9°54	T 15
F 16	12 0 30	2° 4'41	7♈27	19°24	19°38	13°28	6°17	8°21	27°58	17°49	21°16	5°54	5°53	11°37	9°56	F 16
S 17	12 4 27	3° 3'44	21° 0	21°14	20°18	13°48	6°15	8°29	28° 2	17°50	21°16	5°41	5°49	11°44	9°58	S 17
S 18	12 8 24	4° 2'45	4♉11	23° 6	21° 0	14° 8	6°13	8°37	28° 5	17°50	21°17	5°30	5°46	11°50	10° 0	S 18
M19	12 12 20	5° 1'44	17° 2	25° 0	21°42	14°29	6°12	8°44	28° 9	17°51	21°17	5°21	5°43	11°57	10° 2	M19
T 20	12 16 17	6° 0'41	29°31	26°55	22°25	14°50	6°11	8°52	28°12	17°52	21°18	5°15	5°40	12° 4	10° 4	T 20
W21	12 20 13	6°59'35	11♊44	28°51	23° 9	15°11	6°10	9° 0	28°15	17°53	21°18	5°11	5°37	12°10	10° 6	W21
T 22	12 24 10	7°58'27	23°43	0♈49	23°54	15°33	6° 9	9° 7	28°19	17°54	21°19	5°10	5°34	12°17	10° 7	T 22
F 23	12 28 6	8°57'17	5♋34	2°48	24°40	15°55	6° 8	9°15	28°22	17°54	21°19	5°10	5°30	12°23	10° 9	F 23
S 24	12 32 3	9°56'04	17°22	4°49	25°26	16°17	6° 8	9°22	28°26	17°55	21°20	5°10	5°27	12°30	10°10	S 24
S 25	12 35 59	10°54'49	29°12	6°51	26°14	16°40	6° 7	9°30	28°29	17°56	21°21	5° 9	5°24	12°37	10°12	S 25
M26	12 39 56	11°53'32	11♌11	8°54	27° 2	17° 3	6°D 7	9°38	28°32	17°56	21°21	5° 6	5°21	12°43	10°13	M26
T 27	12 43 53	12°52'13	23°22	10°58	27°51	17°26	6° 7	9°45	28°36	17°57	21°22	5° 0	5°18	12°50	10°14	T 27
W28	12 47 49	13°50'51	5♍50	13° 3	28°41	17°49	6° 7	9°53	28°39	17°57	21°22	4°52	5°14	12°57	10°16	W28
T 29	12 51 46	14°49'27	18°37	15° 9	29°32	18°13	6° 8	10° 1	28°42	17°58	21°23	4°42	5°11	13° 3	10°17	T 29
F 30	12 55 42	15°48'01	1♎43	17°16	0♓23	18°37	6° 8	10° 8	28°46	17°58	21°24	4°30	5° 8	13°10	10°18	F 30
S 31	12 59 39	16♈46'33	15♎ 9	19♈23	1♓15	19♋ 1	6♌ 9	10♈16	28♓49	17♑59	21♊24	4♑18	5♑ 5	13♋17	10♑19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 3	3n37	4s29	15s21	2s 3	11s34	5n50	26n16	3n 3	19n36	1n 4	0n30	2s16	1s48	0s42	21s52	0n32	18n11	5s 5	23s20	23s23	22n53	17s33	5n41
F 2	4 40	1s43	4 52	14 54	2 7	11 39	5 39	26 14	3 2	19 37	1 4	0 33	2 16	1 46	0 42	21 52	0 32	18 11	5 5	23 20	23 23	22 51	17 32	5 42
S 3	4 17	7 4	5 2	14 25	2 10	11 44	5 29	26 11	3 0	19 38	1 4	0 36	2 16	1 45	0 42	21 52	0 32	18 11	5 4	23 21	23 23	22 50	17 31	5 42
S 4	3 53	12 11	4 55	13 55	2 12	11 48	5 19	26 8	2 59	19 39	1 3	0 39	2 16	1 43	0 42	21 52	0 32	18 12	5 4	23 22	23 23	22 48	17 31	5 43
M 5	3 30	16 48	4 31	13 23	2 14	11 51	5 8	26 5	2 57	19 40	1 3	0 42	2 16	1 42	0 42	21 52	0 32	18 12	5 4	23 22	23 23	22 47	17 30	5 43
T 6	3 6	20 35	3 52	12 51	2 16	11 54	4 58	26 3	2 55	19 41	1 3	0 45	2 16	1 41	0 42	21 51	0 32	18 12	5 4	23 23	23 23	22 46	17 29	5 44
W 7	2 43	23 15	2 59	12 16	2 17	11 57	4 47	26 0	2 54	19 42	1 3	0 48	2 16	1 39	0 42	21 51	0 32	18 12	5 4	23 23	23 24	22 44	17 29	5 44
T 8	2 19	24 32	1 55	11 41	2 18	11 58	4 37	25 57	2 52	19 43	1 3	0 51	2 16	1 38	0 42	21 51	0 32	18 12	5 4	23 23	23 24	22 43	17 28	5 45
F 9	1 56	24 16	0 44	11 4	2 18	12 0	4 27	25 54	2 51	19 44	1 3	0 54	2 15	1 37	0 42	21 51	0 32	18 13	5 3	23 23	23 24	22 41	17 27	5 45
S 10	1 32	22 27	0n31	10 26	2 18	12 0	4 17	25 51	2 49	19 45	1 3	0 57	2 15	1 35	0 42	21 51	0 32	18 13	5 3	23 23	23 24	22 40	17 26	5 46
S 11	1 8	19 12	1 44	9 46	2 17	12 0	4 7	25 48	2 48	19 45	1 3	1 0	2 15	1 34	0 42	21 51	0 32	18 13	5 3	23 23	23 24	22 39	17 26	5 46
M12	0 45	14 48	2 51	9 5	2 16	12 0	3 57	25 45	2 46	19 46	1 3	1 3	2 15	1 33	0 42	21 51	0 32	18 13	5 3	23 23	23 24	22 37	17 25	5 47
T 13	0 21	9 35	3 47	8 23	2 14	11 59	3 47	25 41	2 45	19 46	1 3	1 6	2 15	1 31	0 42	21 50	0 32	18 13	5 3	23 23	23 25	22 36	17 24	5 47
W14	0n 3	3 53	4 29	7 40	2 12	11 57	3 37	25 38	2 43	19 47	1 3	1 9	2 15	1 30	0 42	21 50	0 32	18 14	5 3	23 24	23 25	22 34	17 24	5 48
T 15	0 26	1n56	4 53	6 55	2 10	11 54	3 28	25 35	2 42	19 47	1 3	1 12	2 15	1 28	0 42	21 50	0 32	18 14	5 2	23 24	23 25	22 33	17 23	5 48
F 16	0 50	7 34	5 0	6 9	2 6	11 51	3 18	25 31	2 41	19 48	1 3	1 15	2 15	1 27	0 42	21 50	0 32	18 14	5 2	23 25	23 25	22 31	17 22	5 49
S 17	1 13	12 42	4 50	5 22	2 3	11 48	3 9	25 28	2 39	19 48	1 3	1 18	2 15	1 26	0 42	21 50	0 32	18 14	5 2	23 25	23 25	22 30	17 22	5 50
S 18	1 37	17 7	4 24	4 34	1 59	11 44	2 59	25 24	2 38	19 49	1 2	1 21	2 15	1 24	0 42	21 50	0 32	18 14	5 2	23 26	23 25	22 28	17 21	5 50
M19	2 0	20 36	3 46	3 44	1 54	11 39	2 50	25 21	2 36	19 49	1 2	1 25	2 15	1 23	0 42	21 50	0 32	18 14	5 2	23 26	23 25	22 27	17 20	5 51
T 20	2 24	23 1	2 57	2 54	1 49	11 34	2 41	25 17	2 35	19 49	1 2	1 28	2 15	1 22	0 42	21 50	0 32	18 15	5 2	23 27	23 26	22 25	17 20	5 51
W21	2 47	24 17	2 1	2 2	1 43	11 28	2 32	25 13	2 33	19 49	1 2	1 31	2 15	1 20	0 42	21 49	0 32	18 15	5 1	23 27	23 26	22 24	17 19	5 52
T 22	3 11	24 24	1 0	1 9	1 37	11 22	2 23	25 9	2 32	19 49	1 2	1 34	2 15	1 19	0 42	21 49	0 32	18 15	5 1	23 27	23 26	22 23	17 18	5 52
F 23	3 34	23 24	0s 2	0 15	1 30	11 15	2 15	25 5	2 31	19 49	1 2	1 37	2 15	1 17	0 42	21 49	0 32	18 15	5 1	23 27	23 26	22 21	17 18	5 53
S 24	3 57	21 21	1 4	0n40	1 23	11 7	2 6	25 1	2 29	19 50	1 2	1 40	2 15	1 16	0 42	21 49	0 32	18 15	5 1	23 27	23 26	22 20	17 17	5 53
S 25	4 20	18 23	2 4	1 35	1 15	10 59	1 58	24 57	2 28	19 50	1 2	1 43	2 15	1 15	0 42	21 49	0 32	18 16	5 1	23 27	23 26	22 18	17 16	5 54
M26	4 43	14 38	2 59	2 31	1 7	10 50	1 50	24 53	2 27	19 49	1 2	1 46	2 15	1 13	0 42	21 49	0 32	18 16	5 1	23 27	23 26	22 17	17 16	5 55
T 27	5 6	10 14	3 46	3 28	0 58	10 41	1 41	24 48	2 25	19 49	1 2	1 49	2 15	1 12	0 42	21 49	0 32	18 16	5 0	23 27	23 26	22 15	17 15	5 55
W28	5 29	5 19	4 24	4 26	0 49	10 31	1 33	24 44	2 24	19 49	1 2	1 52	2 15	1 11	0 42	21 49	0 32	18 16	5 0	23 27	23 27	22 14	17 14	5 56
T 29	5 52	0 5	4 49	5 23	0 39	10 21	1 26	24 40	2 23	19 49	1 1	1 55	2 15	1 9	0 42	21 49	0 32	18 16	5 0	23 28	23 27	22 12	17 14	5 56
F 30	6 15	5s17	5 1	6 21	0 29	10 10	1 18	24 35	2 21	19 49	1 1	1 58	2 15	1 8	0 42	21 49	0 32	18 17	5 0	23 28	23 27	22 10	17 13	5 57
S 31	6n37	10s32	4s56	7n19	0s19	9s59	1n10	24n30	2n20	19n48	1n 1	2n 0	2s15	1s 7	0s42	21s49	0n32	18n17	5s 0	23s29	23s27	22n 9	17s12	5n57

Julian Day Number = 2149555.5, Delta T = 14m21s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'42, Lahiri = 12°19'43 Julian Calendar 1 March 1173 == Greg. Calendar 8 March 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

APRIL 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 35	17♈45'03	28♎51	21♈31	2♓ 7	19♋26	6♌10	10♈23	28♓52	17♑59	21♊25	4°R 6	5♑ 2	13♋23	10♑19	S 1
M 2	13 7 32	18°43'31	12♏46	23°38	3° 0	19°50	6°11	10°31	28°56	18° 0	21°26	3♑57	4°59	13°30	10°20	M 2
T 3	13 11 28	19°41'58	26°50	25°46	3°54	20°15	6°13	10°39	28°59	18° 0	21°27	3°49	4°55	13°37	10°21	T 3
W 4	13 15 25	20°40'23	10♐59	27°53	4°48	20°40	6°14	10°46	29° 2	18° 0	21°28	3°45	4°52	13°43	10°21	W 4
T 5	13 19 22	21°38'46	25° 9	29°59	5°43	21° 6	6°16	10°54	29° 5	18° 1	21°28	3°44	4°49	13°50	10°22	T 5
F 6	13 23 18	22°37'08	9♑19	2♉ 4	6°38	21°31	6°18	11° 1	29° 9	18° 1	21°29	3°D43	4°46	13°56	10°22	F 6
S 7	13 27 15	23°35'28	23°27	4° 7	7°34	21°57	6°20	11° 9	29°12	18° 1	21°30	3°R44	4°43	14° 3	10°23	S 7
S 8	13 31 11	24°33'46	7♒32	6° 9	8°30	22°23	6°22	11°16	29°15	18° 1	21°31	3°43	4°39	14°10	10°23	S 8
M 9	13 35 8	25°32'03	21°33	8° 9	9°27	22°50	6°25	11°24	29°18	18° 1	21°32	3°41	4°36	14°16	10°23	M 9
T 10	13 39 4	26°30'18	5♓29	10° 6	10°24	23°16	6°27	11°31	29°21	18° 2	21°33	3°36	4°33	14°23	10°23	T 10
W11	13 43 1	27°28'32	19°17	12° 1	11°22	23°43	6°30	11°39	29°24	18° 2	21°34	3°28	4°30	14°30	10°R23	W11
T 12	13 46 57	28°26'44	2♈55	13°53	12°20	24°10	6°33	11°46	29°28	18° 2	21°35	3°18	4°27	14°36	10°23	T 12
F 13	13 50 54	29°24'55	16°21	15°41	13°18	24°37	6°36	11°54	29°31	18°R 2	21°35	3° 8	4°24	14°43	10°23	F 13
S 14	13 54 51	0♉23'03	29°33	17°27	14°17	25° 5	6°39	12° 1	29°34	18° 2	21°36	2°57	4°20	14°50	10°23	S 14
S 15	13 58 47	1°21'11	12♉29	19° 9	15°16	25°32	6°43	12° 9	29°37	18° 2	21°37	2°47	4°17	14°56	10°23	S 15
M16	14 2 44	2°19'16	25° 7	20°48	16°15	26° 0	6°46	12°16	29°40	18° 2	21°38	2°39	4°14	15° 3	10°22	M16
T 17	14 6 40	3°17'20	7♊30	22°23	17°15	26°28	6°50	12°23	29°43	18° 2	21°39	2°34	4°11	15°10	10°22	T 17
W18	14 10 37	4°15'22	19°38	23°55	18°15	26°56	6°54	12°31	29°46	18° 1	21°40	2°31	4° 8	15°16	10°21	W18
T 19	14 14 33	5°13'22	1♋36	25°22	19°16	27°24	6°58	12°38	29°49	18° 1	21°42	2°D30	4° 5	15°23	10°20	T 19
F 20	14 18 30	6°11'20	13°26	26°46	20°17	27°53	7° 3	12°45	29°52	18° 1	21°43	2°31	4° 1	15°30	10°20	F 20
S 21	14 22 26	7° 9'16	25°14	28° 5	21°18	28°21	7° 7	12°52	29°55	18° 1	21°44	2°32	3°58	15°36	10°19	S 21
S 22	14 26 23	8° 7'11	7♌ 5	29°21	22°19	28°50	7°12	12°59	29°57	18° 1	21°45	2°R32	3°55	15°43	10°18	S 22
M23	14 30 20	9° 5'03	19° 5	0♊33	23°21	29°19	7°17	13° 7	0♈ 0	18° 0	21°46	2°31	3°52	15°49	10°17	M23
T 24	14 34 16	10° 2'54	1♍17	1°40	24°23	29°48	7°22	13°14	0° 3	18° 0	21°47	2°29	3°49	15°56	10°16	T 24
W25	14 38 13	11° 0'43	13°48	2°43	25°25	0♌18	7°27	13°21	0° 6	18° 0	21°48	2°25	3°45	16° 3	10°15	W25
T 26	14 42 9	11°58'31	26°40	3°42	26°28	0°47	7°32	13°28	0° 9	17°59	21°49	2°19	3°42	16° 9	10°14	T 26
F 27	14 46 6	12°56'16	9♎55	4°36	27°30	1°17	7°37	13°35	0°11	17°59	21°51	2°11	3°39	16°16	10°13	F 27
S 28	14 50 2	13°54'00	23°33	5°26	28°33	1°46	7°43	13°42	0°14	17°58	21°52	2° 3	3°36	16°23	10°11	S 28
S 29	14 53 59	14°51'43	7♏33	6°12	29°37	2°16	7°49	13°49	0°17	17°58	21°53	1°56	3°33	16°29	10°10	S 29
M30	14 57 55	15♉49'24	21♏51	6♊53	0♈40	2♌46	7♌54	13♈56	0♈19	17♑57	21♊54	1♑49	3♑30	16♋36	10♑ 8	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 0	15s22	4s34	8n17	0s 9	9s47	1n 3	24n25	2n19	19n48	1n 1	2n 3	2s15	1s 6	0s42	21s48	0n32	18n17	5s 0	23s29	23s27	22n 7	17s12	5n58
M 2	7 22	19 28	3 55	9 15	0n 2	9 35	0 56	24 21	2 18	19 48	1 1	2 6	2 15	1 4	0 42	21 48	0 32	18 17	4 59	23 29	23 27	22 6	17 11	5 58
T 3	7 44	22 29	3 2	10 12	0 13	9 22	0 48	24 16	2 16	19 47	1 1	2 9	2 15	1 3	0 42	21 48	0 32	18 17	4 59	23 29	23 27	22 4	17 11	5 59
W 4	8 6	24 8	1 58	11 8	0 24	9 9	0 41	24 11	2 15	19 47	1 1	2 12	2 16	1 2	0 42	21 48	0 32	18 18	4 59	23 30	23 27	22 3	17 10	6 0
T 5	8 28	24 13	0 45	12 3	0 35	8 55	0 35	24 5	2 14	19 46	1 1	2 15	2 16	1 0	0 42	21 48	0 32	18 18	4 59	23 30	23 28	22 1	17 9	6 0
F 6	8 50	22 43	0n30	12 57	0 45	8 41	0 28	24 0	2 13	19 46	1 1	2 18	2 16	0 59	0 42	21 48	0 32	18 18	4 59	23 30	23 28	22 0	17 9	6 1
S 7	9 12	19 49	1 43	13 50	0 56	8 26	0 21	23 55	2 12	19 45	1 1	2 21	2 16	0 58	0 42	21 48	0 32	18 18	4 59	23 30	23 28	21 58	17 8	6 1
S 8	9 34	15 44	2 50	14 41	1 7	8 11	0 15	23 49	2 10	19 44	1 1	2 24	2 16	0 57	0 42	21 48	0 32	18 18	4 59	23 30	23 28	21 57	17 8	6 2
M 9	9 55	10 49	3 46	15 30	1 17	7 56	0 9	23 44	2 9	19 44	1 0	2 27	2 16	0 55	0 42	21 48	0 32	18 19	4 58	23 30	23 28	21 55	17 7	6 2
T 10	10 16	5 24	4 28	16 17	1 26	7 40	0 3	23 38	2 8	19 43	1 0	2 30	2 16	0 54	0 42	21 48	0 32	18 19	4 58	23 30	23 28	21 53	17 6	6 3
W11	10 37	0n15	4 54	17 1	1 36	7 23	0s 4	23 32	2 7	19 42	1 0	2 33	2 16	0 53	0 42	21 48	0 32	18 19	4 58	23 30	23 28	21 52	17 6	6 3
T 12	10 58	5 48	5 3	17 44	1 44	7 7	0 9	23 26	2 6	19 41	1 0	2 35	2 16	0 52	0 42	21 48	0 32	18 19	4 58	23 30	23 28	21 50	17 5	6 4
F 13	11 19	11 0	4 55	18 24	1 53	6 49	0 15	23 20	2 5	19 40	1 0	2 38	2 16	0 50	0 42	21 48	0 32	18 19	4 58	23 31	23 28	21 49	17 5	6 5
S 14	11 39	15 36	4 32	19 2	2 0	6 32	0 21	23 14	2 3	19 40	1 0	2 41	2 16	0 49	0 42	21 48	0 32	18 20	4 58	23 31	23 29	21 47	17 4	6 5
S 15	12 0	19 22	3 54	19 38	2 7	6 14	0 26	23 8	2 2	19 39	1 0	2 44	2 16	0 48	0 42	21 48	0 32	18 20	4 58	23 31	23 29	21 45	17 4	6 6
M16	12 20	22 8	3 6	20 11	2 13	5 56	0 31	23 2	2 1	19 38	1 0	2 47	2 16	0 47	0 42	21 48	0 32	18 20	4 57	23 31	23 29	21 44	17 3	6 6
T 17	12 40	23 48	2 10	20 41	2 19	5 37	0 37	22 55	2 0	19 36	1 0	2 49	2 16	0 46	0 42	21 48	0 32	18 20	4 57	23 31	23 29	21 42	17 3	6 7
W18	13 0	24 17	1 8	21 9	2 23	5 18	0 42	22 49	1 59	19 35	1 0	2 52	2 16	0 44	0 42	21 48	0 32	18 20	4 57	23 31	23 29	21 41	17 2	6 7
T 19	13 19	23 37	0 5	21 34	2 27	4 59	0 47	22 42	1 58	19 34	0 59	2 55	2 17	0 43	0 42	21 48	0 32	18 21	4 57	23 31	23 29	21 39	17 2	6 8
F 20	13 39	21 54	0s58	21 57	2 30	4 39	0 51	22 35	1 57	19 33	0 59	2 58	2 17	0 42	0 42	21 48	0 32	18 21	4 57	23 31	23 29	21 37	17 1	6 8
S 21	13 58	19 14	1 59	22 17	2 32	4 19	0 56	22 28	1 56	19 32	0 59	3 0	2 17	0 41	0 42	21 48	0 32	18 21	4 57	23 31	23 29	21 36	17 1	6 9
S 22	14 17	15 46	2 55	22 35	2 33	3 59	1 0	22 21	1 55	19 30	0 59	3 3	2 17	0 40	0 42	21 48	0 32	18 21	4 57	23 31	23 29	21 34	17 0	6 9
M23	14 35	11 37	3 44	22 51	2 33	3 38	1 5	22 14	1 53	19 29	0 59	3 6	2 17	0 39	0 42	21 48	0 32	18 21	4 56	23 31	23 29	21 33	17 0	6 10
T 24	14 54	6 58	4 23	23 5	2 33	3 18	1 9	22 7	1 52	19 28	0 59	3 9	2 17	0 38	0 42	21 48	0 32	18 22	4 56	23 31	23 29	21 31	16 59	6 10
W25	15 12	1 55	4 52	23 16	2 31	2 57	1 13	21 59	1 51	19 26	0 59	3 11	2 17	0 36	0 42	21 48	0 32	18 22	4 56	23 31	23 30	21 29	16 59	6 11
T 26	15 30	3s21	5 6	23 25	2 28	2 35	1 17	21 52	1 50	19 25	0 59	3 14	2 17	0 35	0 42	21 48	0 32	18 22	4 56	23 32	23 30	21 28	16 59	6 12
F 27	15 47	8 36	5 5	23 31	2 25	2 14	1 21	21 44	1 49	19 23	0 59	3 16	2 17	0 34	0 42	21 48	0 32	18 22	4 56	23 32	23 30	21 26	16 58	6 12
S 28	16 5	13 37	4 46	23 36	2 20	1 52	1 24	21 37	1 48	19 22	0 59	3 19	2 17	0 33	0 42	21 48	0 32	18 22	4 56	23 32	23 30	21 24	16 58	6 13
S 29	16 22	18 2	4 11	23 39	2 14	1 30	1 28	21 29	1 47	19 20	0 58	3 22	2 18	0 32	0 42	21 49	0 32	18 23	4 56	23 32	23 30	21 23	16 57	6 13
M30	16n39	21s30	3s19	23n39	2n 8	1s 8	1s31	21n21	1n46	19n19	0n58	3n24	2s18	0s31	0s42	21s49	0n32	18n23	4s56	23s32	23s30	21n21	16s57	6n14

Julian Day Number = 2149586.5, Delta T = 14m21s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'47, Lahiri = 12°19'47 Julian Calendar 1 Apr. 1173 == Greg. Calendar 8 Apr. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

MAY 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 1 52	16♉47'04	6♐20	7♊29	1♈44	3♌17	8♌ 0	14♈ 3	0♈22	17°R57	21♊55	1°R45	3♑26	16♋43	10°R 7	T 1
W 2	15 5 49	17°44'43	20°54	8° 1	2°48	3°47	8° 7	14° 9	0°25	17♑56	21°57	1♑43	3°23	16°49	10♑ 5	W 2
T 3	15 9 45	18°42'20	5♑28	8°28	3°52	4°17	8°13	14°16	0°27	17°56	21°58	1°D42	3°20	16°56	10° 4	T 3
F 4	15 13 42	19°39'57	19°57	8°50	4°56	4°48	8°19	14°23	0°30	17°55	21°59	1°43	3°17	17° 3	10° 2	F 4
S 5	15 17 38	20°37'32	4♒17	9° 8	6° 1	5°19	8°26	14°30	0°32	17°54	22° 0	1°45	3°14	17° 9	10° 0	S 5
S 6	15 21 35	21°35'07	18°25	9°21	7° 5	5°50	8°33	14°36	0°35	17°54	22° 2	1°R45	3°11	17°16	9°58	S 6
M 7	15 25 31	22°32'40	2♓21	9°29	8°10	6°21	8°39	14°43	0°37	17°53	22° 3	1°45	3° 7	17°23	9°56	M 7
T 8	15 29 28	23°30'13	16° 4	9°R32	9°15	6°52	8°46	14°50	0°39	17°52	22° 4	1°43	3° 4	17°29	9°54	T 8
W 9	15 33 24	24°27'45	29°34	9°31	10°21	7°23	8°53	14°56	0°42	17°51	22° 6	1°39	3° 1	17°36	9°52	W 9
T 10	15 37 21	25°25'16	12♈50	9°25	11°26	7°54	9° 1	15° 3	0°44	17°50	22° 7	1°34	2°58	17°43	9°50	T 10
F 11	15 41 18	26°22'46	25°53	9°15	12°32	8°26	9° 8	15° 9	0°46	17°50	22° 8	1°29	2°55	17°49	9°48	F 11
S 12	15 45 14	27°20'15	8♉42	9° 1	13°37	8°57	9°16	15°15	0°49	17°49	22°10	1°23	2°51	17°56	9°45	S 12
S 13	15 49 11	28°17'43	21°18	8°43	14°43	9°29	9°23	15°22	0°51	17°48	22°11	1°18	2°48	18° 2	9°43	S 13
M14	15 53 7	29°15'11	3♊41	8°21	15°49	10° 1	9°31	15°28	0°53	17°47	22°12	1°14	2°45	18° 9	9°41	M14
T 15	15 57 4	0♊12'37	15°52	7°57	16°56	10°33	9°39	15°34	0°55	17°46	22°14	1°11	2°42	18°16	9°38	T 15
W16	16 1 0	1°10'02	27°53	7°29	18° 2	11° 5	9°47	15°40	0°57	17°45	22°15	1°D10	2°39	18°22	9°35	W16
T 17	16 4 57	2° 7'27	9♋46	6°59	19° 8	11°37	9°55	15°46	0°59	17°44	22°16	1°10	2°36	18°29	9°33	T 17
F 18	16 8 53	3° 4'50	21°35	6°28	20°15	12°10	10° 3	15°52	1° 1	17°43	22°18	1°12	2°32	18°36	9°30	F 18
S 19	16 12 50	4° 2'12	3♌23	5°55	21°22	12°42	10°11	15°58	1° 3	17°42	22°19	1°13	2°29	18°42	9°28	S 19
S 20	16 16 47	4°59'33	15°14	5°22	22°29	13°15	10°20	16° 4	1° 5	17°41	22°21	1°15	2°26	18°49	9°25	S 20
M21	16 20 43	5°56'53	27°13	4°48	23°36	13°47	10°28	16°10	1° 7	17°40	22°22	1°16	2°23	18°56	9°22	M21
T 22	16 24 40	6°54'12	9♍24	4°15	24°43	14°20	10°37	16°16	1° 9	17°39	22°23	1°R16	2°20	19° 2	9°19	T 22
W23	16 28 36	7°51'30	21°54	3°43	25°50	14°53	10°46	16°22	1°11	17°38	22°25	1°16	2°17	19° 9	9°16	W23
T 24	16 32 33	8°48'47	4♎44	3°12	26°57	15°26	10°55	16°27	1°12	17°36	22°26	1°14	2°13	19°16	9°13	T 24
F 25	16 36 29	9°46'03	18° 0	2°44	28° 5	15°59	11° 4	16°33	1°14	17°35	22°28	1°11	2°10	19°22	9°10	F 25
S 26	16 40 26	10°43'18	1♏41	2°18	29°12	16°32	11°13	16°38	1°16	17°34	22°29	1° 9	2° 7	19°29	9° 7	S 26
S 27	16 44 22	11°40'32	15°48	1°55	0♉20	17° 5	11°22	16°44	1°17	17°33	22°31	1° 6	2° 4	19°36	9° 4	S 27
M28	16 48 19	12°37'46	0♐17	1°36	1°28	17°39	11°31	16°49	1°19	17°32	22°32	1° 4	2° 1	19°42	9° 1	M28
T 29	16 52 16	13°34'59	15° 4	1°20	2°36	18°12	11°41	16°55	1°21	17°30	22°33	1° 2	1°57	19°49	8°58	T 29
W30	16 56 12	14°32'12	29°59	1° 9	3°44	18°46	11°50	17° 0	1°22	17°29	22°35	1°D 2	1°54	19°56	8°54	W30
T 31	17 0 9	15♊29'24	14♑56	1♊ 1	4♉52	19♌19	12♌ 0	17♈ 5	1♈24	17♑28	22♊36	1♑ 2	1♑51	20♋ 2	8♑51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n56	23s39	2s13	23n38	2n 0	0s45	1s35	21n13	1n45	19n17	0n58	3n27	2s18	0s30	0s42	21s49	0n32	18n23	4s56	23s32	23s30	21n19	16s57	6n14
W 2	17 12	24 12	0 58	23 35	1 52	0 23	1 38	21 5	1 44	19 15	0 58	3 29	2 18	0 29	0 42	21 49	0 32	18 23	4 55	23 32	23 30	21 18	16 56	6 15
T 3	17 28	23 6	0n20	23 30	1 42	0n 0	1 41	20 56	1 43	19 14	0 58	3 32	2 18	0 28	0 42	21 49	0 32	18 23	4 55	23 32	23 30	21 16	16 56	6 15
F 4	17 44	20 27	1 37	23 23	1 32	0 23	1 44	20 48	1 42	19 12	0 58	3 34	2 18	0 27	0 42	21 49	0 32	18 24	4 55	23 32	23 30	21 14	16 55	6 16
S 5	17 59	16 34	2 48	23 15	1 20	0 46	1 46	20 40	1 41	19 10	0 58	3 37	2 18	0 26	0 43	21 49	0 32	18 24	4 55	23 32	23 30	21 13	16 55	6 16
S 6	18 14	11 47	3 47	23 4	1 8	1 10	1 49	20 31	1 40	19 8	0 58	3 39	2 18	0 25	0 43	21 49	0 32	18 24	4 55	23 32	23 30	21 11	16 55	6 16
M 7	18 29	6 28	4 31	22 52	0 55	1 33	1 51	20 22	1 39	19 6	0 58	3 42	2 19	0 24	0 43	21 49	0 32	18 24	4 55	23 32	23 31	21 9	16 54	6 17
T 8	18 44	0 55	5 0	22 39	0 41	1 57	1 54	20 13	1 38	19 4	0 58	3 44	2 19	0 23	0 43	21 49	0 32	18 24	4 55	23 32	23 31	21 7	16 54	6 17
W 9	18 58	4n34	5 11	22 24	0 26	2 20	1 56	20 4	1 37	19 2	0 58	3 46	2 19	0 22	0 43	21 49	0 32	18 24	4 55	23 32	23 31	21 6	16 54	6 18
T 10	19 12	9 46	5 5	22 8	0 11	2 44	1 58	19 55	1 36	19 0	0 57	3 49	2 19	0 21	0 43	21 49	0 32	18 25	4 55	23 32	23 31	21 4	16 54	6 18
F 11	19 26	14 26	4 43	21 51	0s 5	3 8	2 0	19 46	1 35	18 58	0 57	3 51	2 19	0 21	0 43	21 50	0 32	18 25	4 54	23 32	23 31	21 2	16 53	6 19
S 12	19 39	18 22	4 8	21 32	0 22	3 32	2 2	19 37	1 34	18 56	0 57	3 53	2 19	0 20	0 43	21 50	0 32	18 25	4 54	23 32	23 31	21 1	16 53	6 19
S 13	19 52	21 24	3 21	21 13	0 39	3 56	2 4	19 28	1 33	18 54	0 57	3 56	2 20	0 19	0 43	21 50	0 32	18 25	4 54	23 32	23 31	20 59	16 53	6 20
M14	20 5	23 21	2 25	20 52	0 56	4 20	2 5	19 18	1 33	18 52	0 57	3 58	2 20	0 18	0 43	21 50	0 32	18 25	4 54	23 32	23 31	20 57	16 52	6 20
T 15	20 17	24 10	1 23	20 31	1 14	4 44	2 7	19 8	1 32	18 50	0 57	4 0	2 20	0 17	0 43	21 50	0 32	18 26	4 54	23 32	23 31	20 55	16 52	6 20
W16	20 29	23 50	0 18	20 10	1 31	5 8	2 8	18 59	1 31	18 48	0 57	4 2	2 20	0 16	0 43	21 50	0 32	18 26	4 54	23 32	23 31	20 54	16 52	6 21
T 17	20 41	22 24	0s47	19 48	1 48	5 32	2 10	18 49	1 30	18 45	0 57	4 5	2 20	0 16	0 43	21 50	0 32	18 26	4 54	23 32	23 31	20 52	16 52	6 21
F 18	20 52	20 0	1 50	19 26	2 5	5 56	2 11	18 39	1 29	18 43	0 57	4 7	2 20	0 15	0 43	21 50	0 32	18 26	4 54	23 32	23 31	20 50	16 52	6 22
S 19	21 3	16 46	2 48	19 5	2 21	6 20	2 12	18 29	1 28	18 41	0 57	4 9	2 21	0 14	0 43	21 51	0 32	18 26	4 54	23 32	23 31	20 48	16 51	6 22
S 20	21 14	12 51	3 39	18 43	2 37	6 44	2 13	18 18	1 27	18 38	0 57	4 11	2 21	0 13	0 43	21 51	0 32	18 26	4 54	23 32	23 31	20 47	16 51	6 22
M21	21 24	8 24	4 21	18 23	2 52	7 8	2 13	18 8	1 26	18 36	0 57	4 13	2 21	0 13	0 43	21 51	0 32	18 27	4 53	23 32	23 31	20 45	16 51	6 23
T 22	21 34	3 34	4 53	18 3	3 5	7 32	2 14	17 58	1 25	18 34	0 57	4 15	2 21	0 12	0 43	21 51	0 32	18 27	4 53	23 32	23 32	20 43	16 51	6 23
W23	21 43	1s32	5 11	17 44	3 18	7 56	2 15	17 47	1 24	18 31	0 56	4 17	2 21	0 11	0 43	21 51	0 32	18 27	4 53	23 32	23 32	20 41	16 51	6 24
T 24	21 52	6 42	5 15	17 27	3 30	8 20	2 15	17 36	1 23	18 29	0 56	4 19	2 22	0 11	0 43	21 51	0 32	18 27	4 53	23 32	23 32	20 40	16 50	6 24
F 25	22 1	11 44	5 2	17 11	3 41	8 44	2 16	17 26	1 23	18 26	0 56	4 21	2 22	0 10	0 43	21 51	0 32	18 27	4 53	23 32	23 32	20 38	16 50	6 24
S 26	22 9	16 21	4 32	16 57	3 50	9 7	2 16	17 15	1 22	18 23	0 56	4 23	2 22	0 9	0 43	21 52	0 32	18 27	4 53	23 32	23 32	20 36	16 50	6 25
S 27	22 17	20 13	3 45	16 45	3 58	9 31	2 16	17 4	1 21	18 21	0 56	4 25	2 22	0 9	0 43	21 52	0 32	18 27	4 53	23 33	23 32	20 34	16 50	6 25
M28	22 25	22 56	2 42	16 35	4 5	9 54	2 16	16 53	1 20	18 18	0 56	4 27	2 22	0 8	0 43	21 52	0 32	18 28	4 53	23 33	23 32	20 32	16 50	6 25
T 29	22 32	24 9	1 27	16 26	4 10	10 18	2 16	16 42	1 19	18 15	0 56	4 29	2 22	0 7	0 43	21 52	0 32	18 28	4 53	23 33	23 32	20 31	16 50	6 26
W30	22 39	23 39	0 6	16 20	4 14	10 41	2 16	16 30	1 18	18 13	0 56	4 31	2 23	0 7	0 43	21 52	0 32	18 28	4 53	23 33	23 32	20 29	16 50	6 26
T 31	22n45	21s26	1n16	16n16	4s16	11n 4	2s16	16n19	1n17	18n10	0n56	4n32	2s23	0s 6	0s43	21s52	0n32	18n28	4s53	23s33	23s32	20n27	16s50	6n26

Julian Day Number = 2149616.5, Delta T = 14m21s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'51, Lahiri = 12°19'51 Julian Calendar 1 May 1173 == Greg. Calendar 8 May 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

JUNE 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 4 5	16♊26'36	29♉48	0°D58	6♉ 0	19♌53	12♌10	17♈10	1♈25	17°R27	22♊38	1♉ 3	1♉48	20♋ 9	8°R48	F 1
S 2	17 8 2	17°23'48	14♒26	1♊ 0	7° 9	20°27	12°19	17°15	1°26	17♉25	22°39	1° 4	1°45	20°16	8♉44	S 2
S 3	17 11 58	18°21'00	28°48	1° 6	8°17	21° 1	12°29	17°20	1°28	17°24	22°41	1° 5	1°42	20°22	8°41	S 3
M 4	17 15 55	19°18'11	12♓49	1°17	9°26	21°35	12°39	17°25	1°29	17°22	22°42	1° 6	1°38	20°29	8°38	M 4
T 5	17 19 51	20°15'22	26°30	1°32	10°34	22° 9	12°49	17°30	1°30	17°21	22°44	1°R 6	1°35	20°35	8°34	T 5
W 6	17 23 48	21°12'34	9♈51	1°53	11°43	22°43	13° 0	17°35	1°31	17°20	22°45	1° 5	1°32	20°42	8°31	W 6
T 7	17 27 45	22° 9'45	22°54	2°18	12°52	23°17	13°10	17°40	1°33	17°18	22°47	1° 4	1°29	20°49	8°27	T 7
F 8	17 31 41	23° 6'57	5♉39	2°47	14° 1	23°52	13°20	17°44	1°34	17°17	22°48	1° 3	1°26	20°55	8°24	F 8
S 9	17 35 38	24° 4'08	18°10	3°22	15°10	24°26	13°30	17°49	1°35	17°15	22°50	1° 2	1°23	21° 2	8°20	S 9
S 10	17 39 34	25° 1'20	0♊29	4° 1	16°19	25° 1	13°41	17°53	1°36	17°14	22°51	1° 2	1°19	21° 9	8°17	S 10
M11	17 43 31	25°58'31	12°37	4°44	17°28	25°35	13°52	17°58	1°37	17°12	22°53	1° 1	1°16	21°15	8°13	M11
T 12	17 47 27	26°55'43	24°37	5°32	18°37	26°10	14° 2	18° 2	1°38	17°11	22°54	1° 1	1°13	21°22	8° 9	T 12
W13	17 51 24	27°52'54	6♋30	6°25	19°47	26°45	14°13	18° 6	1°39	17° 9	22°55	1°D 1	1°10	21°29	8° 6	W13
T 14	17 55 20	28°50'06	18°20	7°22	20°56	27°20	14°24	18°10	1°39	17° 8	22°57	1° 1	1° 7	21°35	8° 2	T 14
F 15	17 59 17	29°47'17	0♌ 7	8°23	22° 6	27°55	14°35	18°14	1°40	17° 6	22°58	1° 1	1° 3	21°42	7°58	F 15
S 16	18 3 14	0♋44'28	11°55	9°28	23°15	28°30	14°46	18°18	1°41	17° 5	23° 0	1°R 1	1° 0	21°49	7°55	S 16
S 17	18 7 10	1°41'40	23°48	10°38	24°25	29° 5	14°57	18°22	1°42	17° 3	23° 1	1° 1	0°57	21°55	7°51	S 17
M18	18 11 7	2°38'50	5♍48	11°51	25°35	29°40	15° 8	18°26	1°42	17° 2	23° 3	1° 1	0°54	22° 2	7°47	M18
T 19	18 15 3	3°36'01	18° 0	13° 9	26°45	0♍16	15°19	18°30	1°43	17° 0	23° 4	1° 1	0°51	22° 9	7°44	T 19
W20	18 19 0	4°33'12	0♎28	14°31	27°54	0°51	15°30	18°33	1°43	16°59	23° 6	1°D 1	0°48	22°15	7°40	W20
T 21	18 22 56	5°30'23	13°15	15°57	29° 4	1°26	15°41	18°37	1°44	16°57	23° 7	1° 1	0°44	22°22	7°36	T 21
F 22	18 26 53	6°27'33	26°25	17°26	0♊14	2° 2	15°53	18°40	1°44	16°55	23° 9	1° 1	0°41	22°29	7°32	F 22
S 23	18 30 49	7°24'44	10♏ 1	19° 0	1°24	2°37	16° 4	18°43	1°45	16°54	23°10	1° 1	0°38	22°35	7°29	S 23
S 24	18 34 46	8°21'55	24° 3	20°37	2°35	3°13	16°16	18°47	1°45	16°52	23°11	1° 2	0°35	22°42	7°25	S 24
M25	18 38 43	9°19'06	8♐32	22°18	3°45	3°49	16°27	18°50	1°45	16°51	23°13	1° 3	0°32	22°49	7°21	M25
T 26	18 42 39	10°16'17	23°21	24° 2	4°55	4°25	16°39	18°53	1°45	16°49	23°14	1° 3	0°29	22°55	7°17	T 26
W27	18 46 36	11°13'28	8♑26	25°50	6° 6	5° 1	16°50	18°56	1°46	16°47	23°16	1°R 3	0°25	23° 2	7°14	W27
T 28	18 50 32	12°10'40	23°37	27°40	7°16	5°37	17° 2	18°59	1°46	16°46	23°17	1° 3	0°22	23° 9	7°10	T 28
F 29	18 54 29	13° 7'52	8♒46	29°34	8°27	6°13	17°14	19° 2	1°46	16°44	23°18	1° 2	0°19	23°15	7° 6	F 29
S 30	18 58 25	14♋ 5'05	23♒43	1♋30	9♊37	6♍49	17♌26	19♈ 4	1°R46	16♉43	23♊20	1♉ 0	0♉16	23♋22	7♉ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n51	17s48	2n33	16n14	4s18	11n27	2s15	16n 7	1n16	18n 7	0n56	4n34	2s23	0s 6	0s43	21s53	0n32	18n28	4s53	23s33	23s32	20n25	16s50	6n26
S 2	22 57	13 6	3 38	16 15	4 18	11 50	2 15	15 56	1 16	18 4	0 56	4 36	2 23	0 5	0 43	21 53	0 32	18 28	4 53	23 33	23 32	20 23	16 50	6 27
S 3	23 2	7 45	4 28	16 17	4 17	12 13	2 14	15 44	1 15	18 2	0 56	4 38	2 24	0 5	0 43	21 53	0 32	18 28	4 53	23 33	23 32	20 22	16 50	6 27
M 4	23 7	2 8	5 1	16 21	4 15	12 35	2 14	15 32	1 14	17 59	0 56	4 39	2 24	0 4	0 43	21 53	0 32	18 29	4 52	23 33	23 32	20 20	16 49	6 27
T 5	23 11	3n26	5 16	16 28	4 11	12 57	2 13	15 20	1 13	17 56	0 56	4 41	2 24	0 4	0 43	21 53	0 32	18 29	4 52	23 33	23 32	20 18	16 49	6 27
W 6	23 15	8 43	5 13	16 36	4 7	13 19	2 12	15 8	1 12	17 53	0 56	4 43	2 24	0 3	0 43	21 53	0 32	18 29	4 52	23 33	23 32	20 16	16 49	6 28
T 7	23 19	13 29	4 54	16 46	4 2	13 41	2 12	14 56	1 11	17 50	0 56	4 44	2 24	0 3	0 43	21 54	0 32	18 29	4 52	23 33	23 32	20 14	16 49	6 28
F 8	23 22	17 34	4 21	16 58	3 55	14 2	2 11	14 44	1 11	17 47	0 56	4 46	2 25	0 2	0 43	21 54	0 32	18 29	4 52	23 33	23 32	20 13	16 49	6 28
S 9	23 25	20 46	3 36	17 11	3 48	14 24	2 10	14 32	1 10	17 44	0 56	4 47	2 25	0 2	0 44	21 54	0 32	18 29	4 52	23 33	23 32	20 11	16 49	6 28
S 10	23 27	22 58	2 42	17 26	3 40	14 45	2 8	14 19	1 9	17 41	0 55	4 49	2 25	0 2	0 44	21 54	0 32	18 29	4 52	23 33	23 32	20 9	16 49	6 28
M11	23 29	24 4	1 40	17 42	3 32	15 5	2 7	14 7	1 8	17 38	0 55	4 50	2 25	0 1	0 44	21 54	0 32	18 30	4 52	23 33	23 32	20 7	16 49	6 29
T 12	23 31	24 2	0 35	18 0	3 23	15 26	2 6	13 54	1 7	17 34	0 55	4 52	2 26	0 1	0 44	21 55	0 32	18 30	4 52	23 33	23 32	20 5	16 50	6 29
W13	23 32	22 53	0s30	18 19	3 13	15 46	2 5	13 42	1 6	17 31	0 55	4 53	2 26	0 1	0 44	21 55	0 32	18 30	4 52	23 33	23 32	20 3	16 50	6 29
T 14	23 32	20 43	1 35	18 38	3 2	16 6	2 3	13 29	1 6	17 28	0 55	4 54	2 26	0 0	0 44	21 55	0 32	18 30	4 52	23 33	23 33	20 1	16 50	6 29
F 15	23 33	17 42	2 35	18 59	2 51	16 25	2 2	13 16	1 5	17 25	0 55	4 56	2 26	0 0	0 44	21 55	0 32	18 30	4 52	23 33	23 33	20 0	16 50	6 29
S 16	23 33	13 57	3 28	19 20	2 40	16 44	2 0	13 3	1 4	17 22	0 55	4 57	2 27	0n 0	0 44	21 55	0 32	18 30	4 52	23 33	23 33	19 58	16 50	6 29
S 17	23 32	9 40	4 13	19 42	2 28	17 3	1 58	12 50	1 3	17 18	0 55	4 58	2 27	0 0	0 44	21 56	0 32	18 30	4 52	23 33	23 33	19 56	16 50	6 30
M18	23 31	4 58	4 48	20 4	2 16	17 21	1 57	12 37	1 2	17 15	0 55	4 59	2 27	0 1	0 44	21 56	0 32	18 30	4 52	23 33	23 33	19 54	16 50	6 30
T 19	23 30	0 1	5 10	20 26	2 4	17 39	1 55	12 23	1 2	17 12	0 55	5 1	2 27	0 1	0 44	21 56	0 32	18 30	4 52	23 33	23 33	19 52	16 50	6 30
W20	23 28	5s 2	5 18	20 48	1 51	17 57	1 53	12 10	1 1	17 8	0 55	5 2	2 28	0 1	0 44	21 56	0 32	18 31	4 52	23 33	23 33	19 50	16 50	6 30
T 21	23 26	10 1	5 10	21 10	1 39	18 14	1 51	11 57	1 0	17 5	0 55	5 3	2 28	0 1	0 44	21 56	0 32	18 31	4 52	23 33	23 33	19 48	16 50	6 30
F 22	23 23	14 41	4 47	21 32	1 26	18 31	1 49	11 43	0 59	17 1	0 55	5 4	2 28	0 1	0 44	21 57	0 32	18 31	4 52	23 33	23 33	19 46	16 50	6 30
S 23	23 20	18 47	4 7	21 53	1 13	18 47	1 47	11 30	0 58	16 58	0 55	5 5	2 28	0 1	0 44	21 57	0 32	18 31	4 52	23 33	23 33	19 45	16 51	6 30
S 24	23 17	21 58	3 11	22 13	1 0	19 3	1 45	11 16	0 58	16 54	0 55	5 6	2 29	0 2	0 44	21 57	0 32	18 31	4 52	23 33	23 33	19 43	16 51	6 30
M25	23 13	23 50	2 2	22 32	0 47	19 19	1 43	11 2	0 57	16 51	0 55	5 7	2 29	0 2	0 44	21 57	0 32	18 31	4 52	23 33	23 33	19 41	16 51	6 30
T 26	23 9	24 5	0 43	22 51	0 34	19 34	1 40	10 48	0 56	16 47	0 55	5 8	2 29	0 2	0 44	21 57	0 32	18 31	4 52	23 33	23 33	19 39	16 51	6 30
W27	23 4	22 36	0n41	23 7	0 22	19 48	1 38	10 34	0 55	16 44	0 55	5 9	2 29	0 2	0 44	21 58	0 32	18 31	4 52	23 33	23 33	19 37	16 51	6 30
T 28	22 59	19 28	2 2	23 22	0 9	20 3	1 36	10 20	0 54	16 40	0 55	5 10	2 30	0 2	0 44	21 58	0 32	18 31	4 52	23 33	23 33	19 35	16 51	6 30
F 29	22 54	15 1	3 14	23 35	0n 3	20 16	1 34	10 6	0 54	16 37	0 55	5 10	2 30	0 2	0 44	21 58	0 32	18 31	4 52	23 33	23 33	19 33	16 52	6 30
S 30	22n48	9s42	4n12	23n46	0n14	20n29	1s31	9n52	0n53	16n33	0n55	5n11	2s30	0n 2	0s44	21s58	0n32	18n31	4s52	23s33	23s33	19n31	16s52	6n30

Julian Day Number = 2149647.5, Delta T = 14m20s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'55, Lahiri = 12°19'55 Julian Calendar 1 June 1173 == Greg. Calendar 8 June 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

JULY 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 22	15♋ 2'19	8♓20	3♋29	10♊48	7♍25	17♌38	19♈ 7	1°R46	16°R41	23♊21	0°R59	0♉13	23♋29	6°R59	S 1
M 2	19 6 19	15°59'33	22°33	5°30	11°59	8° 1	17°50	19° 9	1♈46	16♉39	23°23	0♉57	0° 9	23°35	6♉55	M 2
T 3	19 10 15	16°56'48	6♈20	7°32	13° 9	8°38	18° 2	19°12	1°46	16°38	23°24	0°56	0° 6	23°42	6°52	T 3
W 4	19 14 12	17°54'05	19°41	9°36	14°20	9°14	18°14	19°14	1°46	16°36	23°25	0°D56	0° 3	23°48	6°48	W 4
T 5	19 18 8	18°51'22	2♉38	11°41	15°31	9°50	18°26	19°16	1°45	16°34	23°27	0°56	29♐59	23°55	6°45	T 5
F 6	19 22 5	19°48'40	15°15	13°47	16°42	10°27	18°38	19°18	1°45	16°33	23°28	0°58	29°57	24° 2	6°41	F 6
S 7	19 26 1	20°45'59	27°36	15°54	17°53	11° 4	18°50	19°20	1°45	16°31	23°29	0°59	29°54	24° 8	6°37	S 7
S 8	19 29 58	21°43'19	9♊43	18° 1	19° 4	11°40	19° 2	19°22	1°45	16°30	23°31	1° 0	29°50	24°15	6°34	S 8
M 9	19 33 54	22°40'40	21°41	20° 8	20°16	12°17	19°15	19°24	1°44	16°28	23°32	1° 1	29°47	24°22	6°30	M 9
T 10	19 37 51	23°38'02	3♋32	22°14	21°27	12°54	19°27	19°26	1°44	16°26	23°33	1°R 2	29°44	24°28	6°27	T 10
W11	19 41 48	24°35'25	15°21	24°20	22°38	13°31	19°39	19°27	1°43	16°25	23°35	1° 1	29°41	24°35	6°23	W11
T 12	19 45 44	25°32'49	27° 8	26°25	23°50	14° 8	19°52	19°29	1°43	16°23	23°36	0°59	29°38	24°42	6°20	T 12
F 13	19 49 41	26°30'13	8♌57	28°29	25° 1	14°45	20° 4	19°30	1°42	16°22	23°37	0°56	29°35	24°48	6°17	F 13
S 14	19 53 37	27°27'39	20°50	0♌32	26°13	15°22	20°17	19°32	1°41	16°20	23°38	0°52	29°31	24°55	6°13	S 14
S 15	19 57 34	28°25'05	2♍48	2°34	27°24	15°59	20°29	19°33	1°41	16°18	23°40	0°47	29°28	25° 2	6°10	S 15
M16	20 1 30	29°22'32	14°53	4°35	28°36	16°37	20°42	19°34	1°40	16°17	23°41	0°42	29°25	25° 8	6° 7	M16
T 17	20 5 27	0♌20'00	27° 9	6°35	29°47	17°14	20°54	19°35	1°39	16°15	23°42	0°38	29°22	25°15	6° 3	T 17
W18	20 9 23	1°17'29	9♎39	8°33	0♋59	17°52	21° 7	19°36	1°38	16°14	23°43	0°35	29°19	25°22	6° 0	W18
T 19	20 13 20	2°14'59	22°25	10°29	2°11	18°29	21°19	19°37	1°38	16°12	23°45	0°33	29°15	25°28	5°57	T 19
F 20	20 17 17	3°12'29	5♏30	12°24	3°23	19° 7	21°32	19°37	1°37	16°11	23°46	0°D33	29°12	25°35	5°54	F 20
S 21	20 21 13	4°10'00	18°58	14°18	4°35	19°44	21°45	19°38	1°36	16° 9	23°47	0°34	29° 9	25°42	5°51	S 21
S 22	20 25 10	5° 7'33	2♐50	16°10	5°47	20°22	21°58	19°38	1°35	16° 7	23°48	0°35	29° 6	25°48	5°48	S 22
M23	20 29 6	6° 5'06	17° 7	18° 0	6°59	21° 0	22°10	19°39	1°34	16° 6	23°49	0°37	29° 3	25°55	5°45	M23
T 24	20 33 3	7° 2'40	1♑47	19°49	8°11	21°38	22°23	19°39	1°33	16° 4	23°50	0°R37	29° 0	26° 2	5°42	T 24
W25	20 36 59	8° 0'15	16°46	21°37	9°23	22°16	22°36	19°39	1°32	16° 3	23°51	0°36	28°56	26° 8	5°39	W25
T 26	20 40 56	8°57'52	1♒57	23°23	10°35	22°53	22°49	19°R39	1°30	16° 2	23°53	0°33	28°53	26°15	5°36	T 26
F 27	20 44 52	9°55'29	17° 9	25° 7	11°48	23°32	23° 2	19°39	1°29	16° 0	23°54	0°29	28°50	26°22	5°34	F 27
S 28	20 48 49	10°53'08	2♓14	26°50	13° 0	24°10	23°14	19°39	1°28	15°59	23°55	0°24	28°47	26°28	5°31	S 28
S 29	20 52 46	11°50'48	17° 2	28°32	14°12	24°48	23°27	19°38	1°27	15°57	23°56	0°17	28°44	26°35	5°28	S 29
M30	20 56 42	12°48'30	1♈26	0♍12	15°25	25°26	23°40	19°38	1°25	15°56	23°57	0°12	28°40	26°42	5°26	M30
T 31	21 0 39	13♌46'13	15♈21	1♍51	16♋37	26♍ 4	23♌53	19♈38	1♈24	15♉54	23♊58	0♉ 7	28♐37	26♋48	5♉23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n42	3s58	4n52	23n55	0n25	20n42	1s29	9n38	0n52	16n29	0n55	5n12	2s30	0n 2	0s44	21s58	0n32	18n32	4s52	23s33	23s33	19n29	16s52	6n30
M 2	22 35	1n49	5 13	24 1	0 36	20 54	1 26	9 24	0 51	16 26	0 55	5 13	2 31	0 2	0 44	21 59	0 32	18 32	4 52	23 33	23 33	19 27	16 52	6 30
T 3	22 28	7 21	5 15	24 5	0 45	21 6	1 24	9 9	0 51	16 22	0 55	5 13	2 31	0 2	0 44	21 59	0 32	18 32	4 52	23 33	23 33	19 25	16 52	6 30
W 4	22 21	12 21	5 0	24 6	0 55	21 17	1 21	8 55	0 50	16 18	0 55	5 14	2 31	0 2	0 44	21 59	0 32	18 32	4 52	23 33	23 33	19 23	16 53	6 30
T 5	22 13	16 39	4 30	24 5	1 3	21 27	1 18	8 40	0 49	16 14	0 55	5 14	2 32	0 1	0 44	21 59	0 32	18 32	4 52	23 33	23 33	19 22	16 53	6 30
F 6	22 5	20 6	3 47	24 0	1 11	21 37	1 16	8 26	0 48	16 11	0 55	5 15	2 32	0 1	0 44	22 0	0 32	18 32	4 52	23 33	23 33	19 20	16 53	6 30
S 7	21 56	22 32	2 54	23 53	1 18	21 47	1 13	8 11	0 48	16 7	0 55	5 15	2 32	0 1	0 44	22 0	0 32	18 32	4 52	23 33	23 33	19 18	16 53	6 30
S 8	21 47	23 54	1 55	23 43	1 24	21 55	1 10	7 56	0 47	16 3	0 55	5 16	2 32	0 1	0 44	22 0	0 32	18 32	4 52	23 33	23 33	19 16	16 54	6 30
M 9	21 38	24 8	0 51	23 31	1 30	22 4	1 8	7 41	0 46	15 59	0 55	5 16	2 33	0 1	0 45	22 0	0 32	18 32	4 52	23 33	23 33	19 14	16 54	6 30
T 10	21 28	23 16	0s14	23 15	1 35	22 11	1 5	7 26	0 45	15 55	0 55	5 17	2 33	0 1	0 45	22 0	0 32	18 32	4 52	23 33	23 33	19 12	16 54	6 30
W11	21 18	21 22	1 18	22 58	1 39	22 18	1 2	7 12	0 44	15 51	0 55	5 17	2 33	0 0	0 45	22 1	0 32	18 32	4 52	23 33	23 33	19 10	16 54	6 29
T 12	21 8	18 33	2 19	22 38	1 42	22 25	0 59	6 57	0 44	15 47	0 55	5 17	2 33	0 0	0 45	22 1	0 32	18 32	4 52	23 33	23 33	19 8	16 55	6 29
F 13	20 57	14 59	3 14	22 15	1 44	22 31	0 57	6 41	0 43	15 43	0 55	5 18	2 34	0s 0	0 45	22 1	0 32	18 32	4 52	23 33	23 33	19 6	16 55	6 29
S 14	20 46	10 49	4 0	21 51	1 46	22 36	0 54	6 26	0 42	15 39	0 55	5 18	2 34	0 0	0 45	22 1	0 32	18 32	4 52	23 33	23 33	19 4	16 55	6 29
S 15	20 34	6 13	4 37	21 24	1 47	22 40	0 51	6 11	0 42	15 35	0 55	5 18	2 34	0 1	0 45	22 1	0 32	18 32	4 52	23 33	23 33	19 2	16 56	6 29
M16	20 22	1 21	5 1	20 56	1 47	22 44	0 48	5 56	0 41	15 31	0 55	5 18	2 35	0 1	0 45	22 2	0 32	18 32	4 52	23 33	23 33	19 0	16 56	6 29
T 17	20 10	3s38	5 12	20 26	1 47	22 48	0 45	5 41	0 40	15 27	0 55	5 18	2 35	0 1	0 45	22 2	0 32	18 32	4 52	23 33	23 33	18 58	16 56	6 29
W18	19 58	8 34	5 9	19 55	1 46	22 50	0 42	5 25	0 39	15 23	0 55	5 18	2 35	0 2	0 45	22 2	0 32	18 33	4 52	23 33	23 33	18 56	16 57	6 28
T 19	19 45	13 15	4 51	19 22	1 44	22 52	0 39	5 10	0 39	15 19	0 55	5 18	2 35	0 2	0 45	22 2	0 32	18 33	4 52	23 33	23 33	18 54	16 57	6 28
F 20	19 32	17 27	4 17	18 47	1 42	22 54	0 36	4 54	0 38	15 15	0 55	5 18	2 36	0 3	0 45	22 2	0 32	18 33	4 52	23 33	23 33	18 52	16 57	6 28
S 21	19 18	20 52	3 28	18 12	1 40	22 55	0 33	4 39	0 37	15 11	0 55	5 18	2 36	0 3	0 45	22 3	0 31	18 33	4 52	23 33	23 33	18 50	16 58	6 28
S 22	19 4	23 12	2 26	17 36	1 36	22 55	0 31	4 23	0 36	15 7	0 55	5 18	2 36	0 3	0 45	22 3	0 31	18 33	4 52	23 33	23 33	18 48	16 58	6 28
M23	18 50	24 8	1 13	16 58	1 33	22 54	0 28	4 8	0 36	15 3	0 55	5 18	2 37	0 4	0 45	22 3	0 31	18 33	4 52	23 33	23 33	18 46	16 58	6 27
T 24	18 36	23 26	0n 6	16 20	1 29	22 53	0 25	3 52	0 35	14 59	0 55	5 18	2 37	0 4	0 45	22 3	0 31	18 33	4 52	23 33	23 33	18 44	16 59	6 27
W25	18 21	21 3	1 27	15 41	1 24	22 51	0 22	3 36	0 34	14 55	0 55	5 18	2 37	0 5	0 45	22 3	0 31	18 33	4 52	23 33	23 33	18 42	16 59	6 27
T 26	18 6	17 11	2 42	15 2	1 19	22 49	0 19	3 21	0 33	14 50	0 55	5 18	2 37	0 5	0 45	22 4	0 31	18 33	4 52	23 33	23 33	18 40	16 59	6 27
F 27	17 50	12 10	3 46	14 22	1 14	22 45	0 16	3 5	0 33	14 46	0 55	5 17	2 38	0 6	0 45	22 4	0 31	18 33	4 52	23 33	23 32	18 38	17 0	6 26
S 28	17 35	6 28	4 34	13 42	1 8	22 42	0 13	2 49	0 32	14 42	0 55	5 17	2 38	0 6	0 45	22 4	0 31	18 33	4 52	23 33	23 32	18 36	17 0	6 26
S 29	17 19	0 31	5 2	13 1	1 2	22 37	0 10	2 33	0 31	14 38	0 55	5 17	2 38	0 7	0 45	22 4	0 31	18 33	4 52	23 33	23 32	18 34	17 1	6 26
M30	17 3	5n18	5 10	12 20	0 56	22 32	0 7	2 17	0 31	14 33	0 55	5 16	2 38	0 7	0 45	22 4	0 31	18 33	4 52	23 33	23 32	18 32	17 1	6 25
T 31	16n46	10n40	4n59	11n38	0n50	22n26	0s 4	2n 1	0n30	14n29	0n55	5n16	2s39	0s 8	0s45	22s 5	0n31	18n33	4s52	23s33	23s32	18n30	17s 1	6n25

Julian Day Number = 2149677.5, Delta T = 14m20s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°12'59, Lahiri = 12°20'00 Julian Calendar 1 July 1173 == Greg. Calendar 8 July 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

AUGUST 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 4 35	14♌43'58	28♈47	3♍28	17♋50	26♍43	24♌ 6	19°R37	1°R23	15°R53	23♊59	0°R 4	28♐34	26♋55	5°R21	W 1
T 2	21 8 32	15°41'45	11♉47	5° 4	19° 3	27°21	24°19	19♈36	1♈21	15♑52	24° 0	0°D 3	28°31	27° 2	5♑18	T 2
F 3	21 12 28	16°39'34	24°22	6°39	20°15	28° 0	24°32	19°35	1°20	15°50	24° 1	0♑ 3	28°28	27° 8	5°16	F 3
S 4	21 16 25	17°37'24	6♊38	8°12	21°28	28°38	24°45	19°35	1°18	15°49	24° 2	0° 4	28°25	27°15	5°14	S 4
S 5	21 20 21	18°35'17	18°41	9°43	22°41	29°17	24°58	19°34	1°17	15°48	24° 3	0° 5	28°21	27°22	5°11	S 5
M 6	21 24 18	19°33'11	0♋34	11°14	23°54	29°56	25°11	19°32	1°15	15°46	24° 4	0°R 6	28°18	27°28	5° 9	M 6
T 7	21 28 15	20°31'06	12°22	12°43	25° 7	0♎34	25°24	19°31	1°13	15°45	24° 5	0° 5	28°15	27°35	5° 7	T 7
W 8	21 32 11	21°29'04	24° 9	14°10	26°20	1°13	25°37	19°30	1°12	15°44	24° 5	0° 2	28°12	27°42	5° 5	W 8
T 9	21 36 8	22°27'03	5♌58	15°36	27°33	1°52	25°50	19°28	1°10	15°43	24° 6	29♐57	28° 9	27°48	5° 3	T 9
F 10	21 40 4	23°25'04	17°51	17° 0	28°46	2°31	26° 3	19°27	1° 8	15°41	24° 7	29°49	28° 6	27°55	5° 1	F 10
S 11	21 44 1	24°23'06	29°51	18°24	29°59	3°10	26°16	19°25	1° 6	15°40	24° 8	29°40	28° 2	28° 2	4°59	S 11
S 12	21 47 57	25°21'10	11♍59	19°45	1♌12	3°49	26°29	19°24	1° 5	15°39	24° 9	29°29	27°59	28° 8	4°58	S 12
M13	21 51 54	26°19'16	24°16	21° 5	2°25	4°29	26°42	19°22	1° 3	15°38	24°10	29°19	27°56	28°15	4°56	M13
T 14	21 55 50	27°17'23	6♎43	22°23	3°39	5° 8	26°55	19°20	1° 1	15°37	24°10	29° 9	27°53	28°22	4°54	T 14
W15	21 59 47	28°15'32	19°22	23°40	4°52	5°47	27° 8	19°18	0°59	15°36	24°11	29° 2	27°50	28°28	4°53	W15
T 16	22 3 44	29°13'43	2♏13	24°55	6° 5	6°27	27°21	19°16	0°57	15°35	24°12	28°56	27°46	28°35	4°51	T 16
F 17	22 7 40	0♍11'54	15°20	26° 8	7°19	7° 6	27°34	19°13	0°55	15°34	24°13	28°53	27°43	28°42	4°50	F 17
S 18	22 11 37	1°10'08	28°44	27°20	8°32	7°46	27°47	19°11	0°53	15°33	24°13	28°D52	27°40	28°48	4°49	S 18
S 19	22 15 33	2° 8'23	12♐27	28°29	9°46	8°25	28° 0	19° 9	0°51	15°32	24°14	28°52	27°37	28°55	4°47	S 19
M20	22 19 30	3° 6'40	26°30	29°37	10°59	9° 5	28°13	19° 6	0°49	15°31	24°15	28°R53	27°34	29° 2	4°46	M20
T 21	22 23 26	4° 4'58	10♑54	0♎42	12°13	9°44	28°26	19° 4	0°47	15°30	24°15	28°52	27°31	29° 8	4°45	T 21
W22	22 27 23	5° 3'17	25°36	1°45	13°27	10°24	28°39	19° 1	0°45	15°29	24°16	28°50	27°27	29°15	4°44	W22
T 23	22 31 19	6° 1'39	10♒31	2°46	14°40	11° 4	28°52	18°58	0°43	15°28	24°16	28°45	27°24	29°22	4°43	T 23
F 24	22 35 16	7° 0'02	25°32	3°44	15°54	11°44	29° 5	18°55	0°41	15°27	24°17	28°37	27°21	29°28	4°42	F 24
S 25	22 39 13	7°58'26	10♓30	4°39	17° 8	12°24	29°18	18°52	0°38	15°26	24°18	28°27	27°18	29°35	4°41	S 25
S 26	22 43 9	8°56'53	25°16	5°32	18°22	13° 4	29°31	18°49	0°36	15°25	24°18	28°17	27°15	29°42	4°41	S 26
M27	22 47 6	9°55'21	9♈41	6°21	19°36	13°44	29°44	18°46	0°34	15°25	24°19	28° 7	27°12	29°48	4°40	M27
T 28	22 51 2	10°53'52	23°40	7° 7	20°50	14°24	29°57	18°43	0°32	15°24	24°19	27°58	27° 8	29°55	4°39	T 28
W29	22 54 59	11°52'25	7♉10	7°49	22° 4	15° 4	0♍10	18°40	0°29	15°23	24°20	27°51	27° 5	0♌ 2	4°39	W29
T 30	22 58 55	12°51'00	20°13	8°28	23°18	15°45	0°23	18°36	0°27	15°22	24°20	27°47	27° 2	0° 8	4°39	T 30
F 31	23 2 52	13♍49'38	2♊51	9♎ 2	24♌32	16♎25	0♍36	18♈33	0♈25	15♑22	24♊20	27♐45	26♐59	0♌15	4♑38	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	16n29	15n19	4n32	10n57	0n43	22n20	0s 2	1n45	0n29	14n25	0n55	5n15	2s39	0s 8	0s45	22s 5	0n31	18n33	4s52	23s33	23s32	18n28	17s 2	6n25	
T 2	16 12	19 6	3 52	10 15	0 36	22 12	0n 1	1 29	0 28	14 21	0 55	5 15	2 39	0 9	0 45	22 5	0 31	18 33	4 52	23 33	23 32	18 26	17 2	6 25	
F 3	15 55	21 52	3 1	9 33	0 28	22 5	0 4	1 13	0 28	14 16	0 55	5 14	2 40	0 10	0 45	22 5	0 31	18 33	4 52	23 33	23 32	18 24	17 3	6 24	
S 4	15 37	23 33	2 3	8 51	0 21	21 56	0 7	0 57	0 27	14 12	0 55	5 14	2 40	0 10	0 45	22 5	0 31	18 33	4 52	23 33	23 32	18 22	17 3	6 24	
S 5	15 19	24 5	1 1	8 10	0 13	21 47	0 10	0 41	0 26	14 8	0 55	5 13	2 40	0 11	0 45	22 5	0 31	18 33	4 52	23 33	23 32	18 20	17 3	6 24	
M 6	15 1	23 30	0s 3	7 28	0 5	21 38	0 12	0 25	0 26	14 3	0 55	5 12	2 40	0 12	0 45	22 6	0 31	18 33	4 52	23 33	23 32	18 18	17 4	6 23	
T 7	14 43	21 53	1 6	6 46	0s 3	21 27	0 15	0 9	0 25	13 59	0 55	5 12	2 41	0 12	0 45	22 6	0 31	18 33	4 52	23 33	23 32	18 16	17 4	6 23	
W 8	14 24	19 19	2 6	6 5	0 11	21 16	0 18	0s 7	0 24	13 54	0 55	5 11	2 41	0 13	0 45	22 6	0 31	18 33	4 52	23 33	23 32	18 14	17 5	6 23	
T 9	14 5	15 57	3 1	5 24	0 20	21 5	0 20	0 23	0 23	13 50	0 56	5 10	2 41	0 14	0 45	22 6	0 31	18 33	4 52	23 33	23 32	18 12	17 5	6 22	
F 10	13 46	11 56	3 48	4 43	0 28	20 52	0 23	0 40	0 23	13 46	0 56	5 9	2 41	0 14	0 45	22 6	0 31	18 33	4 52	23 33	23 32	18 9	17 5	6 22	
S 11	13 27	7 26	4 25	4 3	0 37	20 40	0 26	0 56	0 22	13 41	0 56	5 8	2 42	0 15	0 45	22 6	0 31	18 33	4 52	23 33	23 32	18 7	17 6	6 22	
S 12	13 8	2 37	4 51	3 23	0 45	20 26	0 28	1 12	0 21	13 37	0 56	5 8	2 42	0 16	0 45	22 7	0 31	18 33	4 52	23 33	23 32	18 5	17 6	6 21	
M13	12 48	2s21	5 4	2 43	0 54	20 12	0 31	1 28	0 21	13 32	0 56	5 7	2 42	0 17	0 45	22 7	0 31	18 33	4 52	23 33	23 32	18 3	17 7	6 21	
T 14	12 28	7 18	5 2	2 4	1 3	19 58	0 33	1 45	0 20	13 28	0 56	5 6	2 42	0 17	0 45	22 7	0 31	18 33	4 53	23 33	23 32	18 1	17 7	6 20	
W15	12 8	12 1	4 46	1 26	1 12	19 43	0 36	2 1	0 19	13 24	0 56	5 5	2 43	0 18	0 46	22 7	0 31	18 33	4 53	23 33	23 32	17 59	17 8	6 20	
T 16	11 48	16 17	4 15	0 48	1 21	19 27	0 38	2 17	0 18	13 19	0 56	5 4	2 43	0 19	0 46	22 7	0 31	18 33	4 53	23 33	23 32	17 57	17 8	6 20	
F 17	11 27	19 52	3 31	0 10	1 30	19 11	0 40	2 33	0 18	13 15	0 56	5 3	2 43	0 20	0 46	22 7	0 31	18 33	4 53	23 33	23 32	17 55	17 8	6 19	
S 18	11 6	22 28	2 34	0s26	1 39	18 54	0 43	2 50	0 17	13 10	0 56	5 1	2 43	0 21	0 46	22 7	0 31	18 33	4 53	23 32	23 32	17 53	17 9	6 19	
S 19	10 46	23 49	1 27	1 2	1 47	18 36	0 45	3 6	0 16	13 6	0 56	5 0	2 44	0 21	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 51	17 9	6 18	
M20	10 25	23 43	0 13	1 37	1 56	18 18	0 47	3 22	0 16	13 1	0 56	4 59	2 44	0 22	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 49	17 10	6 18	
T 21	10 3	22 2	1n 4	2 11	2 5	18 0	0 49	3 39	0 15	12 57	0 56	4 58	2 44	0 23	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 47	17 10	6 18	
W22	9 42	18 52	2 17	2 45	2 14	17 41	0 51	3 55	0 14	12 52	0 56	4 57	2 44	0 24	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 44	17 11	6 17	
T 23	9 20	14 26	3 22	3 17	2 22	17 21	0 54	4 11	0 14	12 48	0 56	4 56	2 44	0 25	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 42	17 11	6 17	
F 24	8 59	9 5	4 14	3 48	2 31	17 1	0 56	4 28	0 13	12 43	0 56	4 54	2 45	0 26	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 40	17 12	6 16	
S 25	8 37	3 13	4 48	4 17	2 39	16 41	0 57	4 44	0 12	12 39	0 56	4 53	2 45	0 27	0 46	22 8	0 31	18 33	4 53	23 32	23 31	17 38	17 12	6 16	
S 26	8 15	2n43	5 2	4 45	2 47	16 20	0 59	5 0	0 12	12 34	0 57	4 52	2 45	0 27	0 46	22 9	0 31	18 33	4 53	23 32	23 31	17 36	17 12	6 16	
M27	7 53	8 23	4 56	5 12	2 55	15 59	1 1	5 17	0 11	12 30	0 57	4 50	2 45	0 28	0 46	22 9	0 31	18 32	4 53	23 32	23 31	17 34	17 13	6 15	
T 28	7 31	13 27	4 33	5 37	3 2	15 37	1 3	5 33	0 10	12 25	0 57	4 49	2 46	0 29	0 46	22 9	0 31	18 32	4 53	23 32	23 31	17 32	17 13	6 15	
W29	7 8	17 40	3 55	6 1	3 10	15 14	1 5	5 49	0 10	12 21	0 57	4 47	2 46	0 30	0 46	22 9	0 31	18 32	4 53	23 32	23 31	17 30	17 14	6 14	
T 30	6 46	20 51	3 5	6 22	3 16	14 52	1 7	6 5	0 9	12 16	0 57	4 46	2 46	0 31	0 46	22 9	0 31	18 32	4 53	23 32	23 31	17 28	17 14	6 14	
F 31	6n23	22n55	2n 8	6s42	3s23	14n29	1n 8	6s21	0n 8	12n12	0n57	4n44	2s46	0s32	0s46	22s 9	0n31	18n32	4s53	23s32	23s31	17n25	17s15	6n13	

Julian Day Number = 2149708.5, Delta T = 14m20s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'03, Lahiri = 12°20'04 Julian Calendar 1 Aug. 1173 == Greg. Calendar 8 Aug. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

SEPTEMBER 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 6 48	14♍48'17	15♊ 9	9♎31	25♌46	17♎ 6	0♍49	18°R29	0°R23	15°R21	24♊21	27°D44	26♐56	0♌22	4°R38	S 1
S 2	23 10 45	15°46'59	27°11	9°56	27° 0	17°46	1° 2	18♈26	0♈20	15♑20	24°21	27°R44	26°52	0°28	4♑38	S 2
M 3	23 14 41	16°45'44	9♋ 3	10°16	28°14	18°27	1°14	18°22	0°18	15°20	24°22	27♐44	26°49	0°35	4°38	M 3
T 4	23 18 38	17°44'30	20°51	10°30	29°28	19° 7	1°27	18°18	0°16	15°19	24°22	27°42	26°46	0°42	4°D38	T 4
W 5	23 22 35	18°43'19	2♌39	10°38	0♍43	19°48	1°40	18°15	0°13	15°19	24°22	27°38	26°43	0°48	4°38	W 5
T 6	23 26 31	19°42'10	14°31	10°R39	1°57	20°29	1°53	18°11	0°11	15°18	24°22	27°30	26°40	0°55	4°38	T 6
F 7	23 30 28	20°41'03	26°32	10°34	3°11	21°10	2° 5	18° 7	0° 8	15°18	24°23	27°20	26°37	1° 2	4°38	F 7
S 8	23 34 24	21°39'58	8♍41	10°22	4°26	21°50	2°18	18° 3	0° 6	15°17	24°23	27° 8	26°33	1° 8	4°39	S 8
S 9	23 38 21	22°38'55	21° 2	10° 2	5°40	22°31	2°31	17°59	0° 4	15°17	24°23	26°55	26°30	1°15	4°39	S 9
M10	23 42 17	23°37'54	3♎35	9°35	6°55	23°12	2°43	17°55	0° 1	15°17	24°23	26°41	26°27	1°22	4°39	M10
T 11	23 46 14	24°36'56	16°20	9° 1	8° 9	23°54	2°56	17°50	29♓59	15°16	24°23	26°28	26°24	1°28	4°40	T 11
W12	23 50 10	25°35'59	29°15	8°18	9°24	24°35	3° 8	17°46	29°56	15°16	24°24	26°17	26°21	1°35	4°41	W12
T 13	23 54 7	26°35'04	12♏22	7°29	10°38	25°16	3°21	17°42	29°54	15°16	24°24	26° 9	26°17	1°42	4°41	T 13
F 14	23 58 4	27°34'11	25°40	6°33	11°53	25°57	3°33	17°38	29°52	15°16	24°24	26° 4	26°14	1°48	4°42	F 14
S 15	0 2 0	28°33'20	9♐10	5°32	13° 8	26°39	3°46	17°33	29°49	15°15	24°24	26° 2	26°11	1°55	4°43	S 15
S 16	0 5 57	29°32'31	22°52	4°26	14°22	27°20	3°58	17°29	29°47	15°15	24°24	26° 1	26° 8	2° 2	4°44	S 16
M17	0 9 53	0♎31'44	6♑48	3°17	15°37	28° 1	4°11	17°24	29°44	15°15	24°24	26° 1	26° 5	2° 8	4°45	M17
T 18	0 13 50	1°30'58	20°57	2° 6	16°52	28°43	4°23	17°20	29°42	15°15	24°R24	26° 1	26° 2	2°15	4°46	T 18
W19	0 17 46	2°30'14	5♒20	0°56	18° 7	29°25	4°35	17°15	29°39	15°15	24°24	25°58	25°58	2°22	4°47	W19
T 20	0 21 43	3°29'32	19°52	29♍49	19°21	0♏ 6	4°47	17°11	29°37	15°D15	24°24	25°52	25°55	2°28	4°49	T 20
F 21	0 25 39	4°28'52	4♓30	28°45	20°36	0°48	4°59	17° 6	29°35	15°15	24°24	25°44	25°52	2°35	4°50	F 21
S 22	0 29 36	5°28'13	19° 7	27°48	21°51	1°30	5°12	17° 1	29°32	15°15	24°24	25°33	25°49	2°42	4°51	S 22
S 23	0 33 33	6°27'37	3♈35	26°59	23° 6	2°12	5°24	16°57	29°30	15°15	24°24	25°22	25°46	2°48	4°53	S 23
M24	0 37 29	7°27'03	17°48	26°19	24°21	2°54	5°36	16°52	29°27	15°15	24°24	25°10	25°43	2°55	4°55	M24
T 25	0 41 26	8°26'30	1♉40	25°49	25°36	3°36	5°48	16°47	29°25	15°15	24°23	25° 0	25°39	3° 2	4°56	T 25
W26	0 45 22	9°26'00	15° 7	25°30	26°51	4°18	5°59	16°43	29°23	15°15	24°23	24°52	25°36	3° 8	4°58	W26
T 27	0 49 19	10°25'33	28°10	25°D22	28° 6	5° 0	6°11	16°38	29°20	15°16	24°23	24°47	25°33	3°15	5° 0	T 27
F 28	0 53 15	11°25'07	10♊49	25°24	29°21	5°42	6°23	16°33	29°18	15°16	24°23	24°44	25°30	3°22	5° 2	F 28
S 29	0 57 12	12°24'44	23° 8	25°38	0♎36	6°24	6°35	16°28	29°15	15°16	24°23	24°D43	25°27	3°28	5° 4	S 29
S 30	1 1 8	13♎24'23	5♋12	26♍ 2	1♎51	7♏ 6	6♍46	16♈23	29♓13	15♑16	24♊22	24♐43	25♐23	3♌35	5♑ 6	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 1	23n49	1n 6	6s59	3s29	14n 5	1n10	6s38	0n 8	12n 7	0n57	4n43	2s46	0s33	0s46	22s 9	0n31	18n32	4s53	23s32	23s31	17n23	17s15	6n13
S 2	5 38	23 34	0 3	7 14	3 34	13 41	1 11	6 54	0 7	12 3	0 57	4 41	2 46	0 34	0 46	22 9	0 31	18 32	4 54	23 32	23 31	17 21	17 16	6 13
M 3	5 15	22 15	1s 0	7 26	3 39	13 17	1 13	7 10	0 6	11 58	0 57	4 40	2 47	0 35	0 46	22 9	0 30	18 32	4 54	23 32	23 30	17 19	17 16	6 12
T 4	4 52	19 57	1 59	7 35	3 43	12 52	1 14	7 26	0 5	11 54	0 57	4 38	2 47	0 36	0 46	22 9	0 30	18 32	4 54	23 32	23 30	17 17	17 16	6 12
W 5	4 29	16 50	2 54	7 41	3 46	12 27	1 15	7 42	0 5	11 49	0 57	4 37	2 47	0 37	0 46	22 10	0 30	18 32	4 54	23 32	23 30	17 15	17 17	6 11
T 6	4 6	13 2	3 41	7 43	3 48	12 1	1 17	7 58	0 4	11 45	0 58	4 35	2 47	0 38	0 46	22 10	0 30	18 32	4 54	23 31	23 30	17 13	17 17	6 11
F 7	3 42	8 41	4 18	7 42	3 49	11 35	1 18	8 14	0 3	11 40	0 58	4 33	2 47	0 39	0 46	22 10	0 30	18 32	4 54	23 31	23 30	17 11	17 18	6 10
S 8	3 19	3 57	4 45	7 37	3 48	11 9	1 19	8 30	0 3	11 36	0 58	4 32	2 47	0 40	0 46	22 10	0 30	18 32	4 54	23 31	23 30	17 8	17 18	6 10
S 9	2 56	1s 0	4 58	7 28	3 47	10 43	1 20	8 46	0 2	11 31	0 58	4 30	2 48	0 40	0 46	22 10	0 30	18 32	4 54	23 31	23 30	17 6	17 19	6 9
M10	2 32	5 59	4 58	7 14	3 44	10 16	1 21	9 2	0 1	11 27	0 58	4 28	2 48	0 41	0 46	22 10	0 30	18 32	4 54	23 30	23 30	17 4	17 19	6 9
T 11	2 9	10 47	4 42	6 56	3 39	9 49	1 22	9 18	0 1	11 23	0 58	4 27	2 48	0 42	0 46	22 10	0 30	18 32	4 54	23 30	23 30	17 2	17 19	6 9
W12	1 45	15 11	4 12	6 33	3 32	9 22	1 23	9 34	0 0	11 18	0 58	4 25	2 48	0 43	0 46	22 10	0 30	18 32	4 54	23 30	23 30	17 0	17 20	6 8
T 13	1 22	18 55	3 29	6 6	3 24	8 54	1 24	9 50	0s 1	11 14	0 58	4 23	2 48	0 44	0 46	22 10	0 30	18 32	4 54	23 29	23 30	16 58	17 20	6 8
F 14	0 58	21 44	2 33	5 35	3 14	8 26	1 24	10 5	0 1	11 9	0 58	4 22	2 48	0 45	0 46	22 10	0 30	18 32	4 54	23 29	23 30	16 55	17 21	6 7
S 15	0 35	23 22	1 28	4 59	3 1	7 58	1 25	10 21	0 2	11 5	0 58	4 20	2 48	0 46	0 46	22 10	0 30	18 32	4 54	23 29	23 29	16 53	17 21	6 7
S 16	0 11	23 38	0 17	4 20	2 47	7 30	1 26	10 36	0 2	11 0	0 59	4 18	2 48	0 47	0 46	22 10	0 30	18 31	4 54	23 29	23 29	16 51	17 22	6 6
M17	0s13	22 26	0n57	3 37	2 31	7 1	1 26	10 52	0 3	10 56	0 59	4 16	2 49	0 48	0 46	22 10	0 30	18 31	4 54	23 29	23 29	16 49	17 22	6 6
T 18	0 36	19 48	2 8	2 53	2 14	6 32	1 27	11 8	0 4	10 52	0 59	4 14	2 49	0 49	0 46	22 10	0 30	18 31	4 55	23 29	23 29	16 47	17 22	6 5
W19	1 0	15 55	3 12	2 8	1 55	6 3	1 27	11 23	0 4	10 47	0 59	4 13	2 49	0 50	0 46	22 10	0 30	18 31	4 55	23 29	23 29	16 45	17 23	6 5
T 20	1 24	11 3	4 4	1 23	1 36	5 34	1 28	11 38	0 5	10 43	0 59	4 11	2 49	0 51	0 46	22 10	0 30	18 31	4 55	23 29	23 29	16 42	17 23	6 5
F 21	1 47	5 33	4 41	0 39	1 15	5 5	1 28	11 54	0 6	10 38	0 59	4 9	2 49	0 52	0 46	22 10	0 30	18 31	4 55	23 29	23 29	16 40	17 24	6 4
S 22	2 11	0n15	4 59	0n 2	0 55	4 36	1 28	12 9	0 6	10 34	0 59	4 7	2 49	0 53	0 46	22 10	0 30	18 31	4 55	23 28	23 29	16 38	17 24	6 4
S 23	2 35	5 59	4 58	0 41	0 34	4 6	1 28	12 24	0 7	10 30	0 59	4 5	2 49	0 54	0 46	22 10	0 30	18 31	4 55	23 28	23 29	16 36	17 24	6 3
M24	2 58	11 17	4 38	1 15	0 14	3 36	1 28	12 39	0 8	10 25	1 0	4 3	2 49	0 55	0 46	22 10	0 30	18 31	4 55	23 27	23 29	16 34	17 25	6 3
T 25	3 22	15 53	4 2	1 44	0n 5	3 6	1 28	12 54	0 8	10 21	1 0	4 1	2 49	0 56	0 46	22 10	0 30	18 31	4 55	23 27	23 28	16 31	17 25	6 2
W26	3 45	19 31	3 14	2 9	0 23	2 36	1 28	13 9	0 9	10 17	1 0	4 0	2 49	0 57	0 46	22 11	0 30	18 31	4 55	23 27	23 28	16 29	17 26	6 2
T 27	4 9	22 3	2 16	2 27	0 39	2 6	1 28	13 24	0 10	10 13	1 0	3 58	2 49	0 58	0 46	22 11	0 30	18 31	4 55	23 27	23 28	16 27	17 26	6 1
F 28	4 32	23 22	1 13	2 40	0 55	1 36	1 28	13 38	0 10	10 8	1 0	3 56	2 49	0 59	0 46	22 11	0 30	18 31	4 55	23 26	23 28	16 25	17 26	6 1
S 29	4 56	23 30	0 8	2 47	1 8	1 6	1 28	13 53	0 11	10 4	1 0	3 54	2 49	1 0	0 46	22 11	0 30	18 31	4 55	23 26	23 28	16 23	17 27	6 1
S 30	5s19	22n31	0s56	2n49	1n20	0n36	1n27	14s 8	0s12	10n 0	1n 0	3n52	2s49	1s 1	0s46	22s10	0n30	18n31	4s55	23s26	23s28	16n20	17s27	6n 0

Julian Day Number = 2149739.5, Delta T = 14m20s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'08, Lahiri = 12°20'08 Julian Calendar 1 Sept. 1173 == Greg. Calendar 8 Sept. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

OCTOBER 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 5 5	14♎24'04	17♋ 6	26♍36	3♎ 6	7♏49	6♍58	16°R19	29°R11	15♉17	24°R22	24°R43	25♐20	3♌42	5♉ 8	M 1
T 2	1 9 2	15°23'48	28°55	27°19	4°21	8°31	7°10	16♈14	29♓ 9	15°17	24♊22	24♐42	25°17	3°48	5°10	T 2
W 3	1 12 58	16°23'34	10♌45	28° 9	5°36	9°14	7°21	16° 9	29° 6	15°18	24°21	24°39	25°14	3°55	5°12	W 3
T 4	1 16 55	17°23'22	22°40	29° 8	6°51	9°56	7°32	16° 4	29° 4	15°18	24°21	24°34	25°11	4° 2	5°15	T 4
F 5	1 20 51	18°23'13	4♍46	0♎12	8° 6	10°39	7°44	15°59	29° 2	15°18	24°21	24°26	25° 8	4° 8	5°17	F 5
S 6	1 24 48	19°23'05	17° 4	1°23	9°22	11°22	7°55	15°55	28°59	15°19	24°20	24°16	25° 4	4°15	5°20	S 6
S 7	1 28 44	20°23'00	29°37	2°38	10°37	12° 4	8° 6	15°50	28°57	15°19	24°20	24° 5	25° 1	4°22	5°22	S 7
M 8	1 32 41	21°22'56	12♎26	3°57	11°52	12°47	8°17	15°45	28°55	15°20	24°19	23°53	24°58	4°28	5°25	M 8
T 9	1 36 37	22°22'55	25°30	5°21	13° 7	13°30	8°28	15°40	28°53	15°21	24°19	23°42	24°55	4°35	5°28	T 9
W10	1 40 34	23°22'56	8♏48	6°47	14°23	14°13	8°39	15°35	28°51	15°21	24°18	23°33	24°52	4°42	5°30	W10
T 11	1 44 30	24°22'58	22°18	8°15	15°38	14°56	8°50	15°31	28°49	15°22	24°18	23°26	24°49	4°49	5°33	T 11
F 12	1 48 27	25°23'03	5♐58	9°46	16°53	15°39	9° 1	15°26	28°46	15°23	24°17	23°22	24°45	4°55	5°36	F 12
S 13	1 52 24	26°23'09	19°46	11°19	18° 8	16°22	9°12	15°21	28°44	15°23	24°17	23°D21	24°42	5° 2	5°39	S 13
S 14	1 56 20	27°23'17	3♑41	12°52	19°24	17° 5	9°22	15°17	28°42	15°24	24°16	23°21	24°39	5° 9	5°42	S 14
M15	2 0 17	28°23'26	17°41	14°27	20°39	17°48	9°33	15°12	28°40	15°25	24°16	23°22	24°36	5°15	5°45	M15
T 16	2 4 13	29°23'37	1♒47	16° 3	21°54	18°32	9°43	15° 7	28°38	15°26	24°15	23°R23	24°33	5°22	5°48	T 16
W17	2 8 10	0♏23'49	15°57	17°39	23°10	19°15	9°54	15° 3	28°36	15°27	24°14	23°21	24°29	5°29	5°52	W17
T 18	2 12 6	1°24'03	0♓ 9	19°16	24°25	19°59	10° 4	14°58	28°34	15°28	24°14	23°18	24°26	5°35	5°55	T 18
F 19	2 16 3	2°24'19	14°22	20°53	25°41	20°42	10°14	14°54	28°32	15°29	24°13	23°13	24°23	5°42	5°58	F 19
S 20	2 19 59	3°24'35	28°30	22°31	26°56	21°26	10°24	14°49	28°31	15°29	24°12	23° 5	24°20	5°49	6° 2	S 20
S 21	2 23 56	4°24'54	12♈31	24° 8	28°11	22° 9	10°34	14°45	28°29	15°30	24°12	22°57	24°17	5°55	6° 5	S 21
M22	2 27 53	5°25'14	26°20	25°46	29°27	22°53	10°44	14°40	28°27	15°32	24°11	22°49	24°14	6° 2	6° 9	M22
T 23	2 31 49	6°25'35	9♉52	27°23	0♏42	23°36	10°54	14°36	28°25	15°33	24°10	22°41	24°10	6° 9	6°13	T 23
W24	2 35 46	7°25'59	23° 6	29° 0	1°57	24°20	11° 4	14°32	28°23	15°34	24°10	22°36	24° 7	6°15	6°16	W24
T 25	2 39 42	8°26'24	6♊ 1	0♏37	3°13	25° 4	11°13	14°28	28°22	15°35	24° 9	22°32	24° 4	6°22	6°20	T 25
F 26	2 43 39	9°26'51	18°36	2°14	4°28	25°48	11°23	14°24	28°20	15°36	24° 8	22°D31	24° 1	6°29	6°24	F 26
S 27	2 47 35	10°27'20	0♋54	3°51	5°44	26°32	11°32	14°20	28°18	15°37	24° 7	22°31	23°58	6°35	6°28	S 27
S 28	2 51 32	11°27'51	12°58	5°28	6°59	27°16	11°42	14°16	28°17	15°38	24° 6	22°32	23°54	6°42	6°32	S 28
M29	2 55 28	12°28'24	24°53	7° 4	8°15	28° 0	11°51	14°12	28°15	15°40	24° 5	22°34	23°51	6°49	6°36	M29
T 30	2 59 25	13°28'58	6♌44	8°40	9°30	28°44	12° 0	14° 8	28°14	15°41	24° 5	22°35	23°48	6°55	6°40	T 30
W31	3 3 22	14♏29'34	18♌34	10♏16	10♏46	29♏28	12♍ 9	14♈ 4	28♓12	15♉42	24♊ 4	22°R36	23♐45	7♌ 2	6♉44	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s42	20n32	1s56	2n45	1n31	0n 5	1n27	14s22	0s12	9n56	1n 1	3n50	2s49	1s 1	0s46	22s10	0n30	18n31	4s55	23s26	23s28	16n18	17s27	6n 0
T 2	6 5	17 40	2 51	2 36	1 40	0s25	1 26	14 36	0 13	9 52	1 1	3 48	2 49	1 2	0 46	22 10	0 30	18 30	4 55	23 26	23 28	16 16	17 28	5 59
W 3	6 28	14 6	3 39	2 23	1 48	0 55	1 26	14 51	0 13	9 47	1 1	3 47	2 49	1 3	0 46	22 10	0 30	18 30	4 55	23 26	23 28	16 14	17 28	5 59
T 4	6 51	9 57	4 18	2 5	1 54	1 26	1 25	15 5	0 14	9 43	1 1	3 45	2 49	1 4	0 46	22 10	0 30	18 30	4 55	23 26	23 27	16 11	17 28	5 58
F 5	7 14	5 22	4 46	1 44	1 58	1 56	1 24	15 19	0 15	9 39	1 1	3 43	2 49	1 5	0 46	22 10	0 30	18 30	4 56	23 26	23 27	16 9	17 29	5 58
S 6	7 37	0 31	5 1	1 19	2 2	2 27	1 24	15 33	0 15	9 35	1 1	3 41	2 49	1 6	0 46	22 10	0 30	18 30	4 56	23 25	23 27	16 7	17 29	5 58
S 7	8 0	4s27	5 2	0 51	2 4	2 57	1 23	15 47	0 16	9 31	1 1	3 39	2 49	1 7	0 46	22 10	0 30	18 30	4 56	23 25	23 27	16 5	17 29	5 57
M 8	8 23	9 20	4 48	0 20	2 6	3 27	1 22	16 0	0 17	9 27	1 2	3 37	2 49	1 8	0 46	22 10	0 30	18 30	4 56	23 24	23 27	16 3	17 30	5 57
T 9	8 45	13 54	4 18	0s12	2 6	3 57	1 21	16 14	0 17	9 23	1 2	3 36	2 49	1 9	0 45	22 10	0 29	18 30	4 56	23 24	23 27	16 0	17 30	5 56
W10	9 7	17 53	3 35	0 47	2 6	4 28	1 20	16 27	0 18	9 19	1 2	3 34	2 49	1 9	0 45	22 10	0 29	18 30	4 56	23 23	23 27	15 58	17 30	5 56
T 11	9 30	20 58	2 38	1 23	2 4	4 58	1 19	16 41	0 18	9 15	1 2	3 32	2 49	1 10	0 45	22 10	0 29	18 30	4 56	23 23	23 27	15 56	17 30	5 56
F 12	9 52	22 54	1 32	2 1	2 2	5 28	1 18	16 54	0 19	9 11	1 2	3 30	2 49	1 11	0 45	22 10	0 29	18 30	4 56	23 23	23 27	15 54	17 31	5 55
S 13	10 14	23 28	0 19	2 40	2 0	5 58	1 17	17 7	0 20	9 7	1 2	3 29	2 49	1 12	0 45	22 10	0 29	18 30	4 56	23 23	23 26	15 51	17 31	5 55
S 14	10 35	22 35	0n55	3 19	1 56	6 27	1 16	17 20	0 20	9 3	1 3	3 27	2 49	1 13	0 45	22 10	0 29	18 30	4 56	23 23	23 26	15 49	17 31	5 54
M15	10 57	20 17	2 7	4 0	1 53	6 57	1 15	17 33	0 21	9 0	1 3	3 25	2 49	1 13	0 45	22 10	0 29	18 30	4 56	23 23	23 26	15 47	17 31	5 54
T 16	11 18	16 45	3 11	4 40	1 48	7 26	1 13	17 46	0 21	8 56	1 3	3 23	2 49	1 14	0 45	22 10	0 29	18 29	4 56	23 23	23 26	15 45	17 32	5 54
W17	11 40	12 14	4 4	5 22	1 44	7 56	1 12	17 58	0 22	8 52	1 3	3 22	2 49	1 15	0 45	22 10	0 29	18 29	4 56	23 23	23 26	15 42	17 32	5 53
T 18	12 1	7 4	4 42	6 3	1 39	8 25	1 10	18 11	0 23	8 48	1 3	3 20	2 48	1 16	0 45	22 10	0 29	18 29	4 56	23 23	23 26	15 40	17 32	5 53
F 19	12 22	1 31	5 3	6 45	1 34	8 54	1 9	18 23	0 23	8 45	1 4	3 18	2 48	1 16	0 45	22 10	0 29	18 29	4 56	23 22	23 26	15 38	17 32	5 53
S 20	12 42	4n 4	5 6	7 26	1 28	9 23	1 7	18 35	0 24	8 41	1 4	3 17	2 48	1 17	0 45	22 10	0 29	18 29	4 56	23 22	23 25	15 36	17 33	5 52
S 21	13 3	9 24	4 49	8 8	1 22	9 51	1 6	18 47	0 24	8 37	1 4	3 15	2 48	1 18	0 45	22 9	0 29	18 29	4 56	23 21	23 25	15 33	17 33	5 52
M22	13 23	14 11	4 17	8 49	1 16	10 19	1 4	18 59	0 25	8 34	1 4	3 14	2 48	1 19	0 45	22 9	0 29	18 29	4 56	23 21	23 25	15 31	17 33	5 52
T 23	13 43	18 9	3 30	9 30	1 10	10 47	1 3	19 10	0 26	8 30	1 4	3 12	2 48	1 19	0 45	22 9	0 29	18 29	4 56	23 21	23 25	15 29	17 33	5 51
W24	14 3	21 5	2 32	10 10	1 4	11 15	1 1	19 22	0 26	8 27	1 5	3 11	2 48	1 20	0 45	22 9	0 29	18 29	4 56	23 20	23 25	15 27	17 33	5 51
T 25	14 23	22 51	1 28	10 51	0 58	11 43	0 59	19 33	0 27	8 23	1 5	3 9	2 48	1 21	0 45	22 9	0 29	18 29	4 56	23 20	23 25	15 24	17 34	5 50
F 26	14 42	23 24	0 21	11 30	0 51	12 10	0 57	19 44	0 27	8 20	1 5	3 8	2 47	1 21	0 45	22 9	0 29	18 29	4 56	23 20	23 25	15 22	17 34	5 50
S 27	15 1	22 47	0s45	12 10	0 44	12 37	0 55	19 55	0 28	8 16	1 5	3 6	2 47	1 22	0 45	22 9	0 29	18 29	4 56	23 20	23 24	15 20	17 34	5 50
S 28	15 20	21 6	1 49	12 49	0 38	13 4	0 54	20 6	0 28	8 13	1 5	3 5	2 47	1 22	0 45	22 9	0 29	18 29	4 56	23 20	23 24	15 17	17 34	5 50
M29	15 39	18 31	2 47	13 27	0 31	13 30	0 52	20 16	0 29	8 9	1 6	3 3	2 47	1 23	0 45	22 9	0 29	18 29	4 56	23 20	23 24	15 15	17 34	5 49
T 30	15 57	15 10	3 37	14 4	0 24	13 56	0 50	20 27	0 30	8 6	1 6	3 2	2 47	1 24	0 45	22 8	0 29	18 29	4 56	23 20	23 24	15 13	17 34	5 49
W31	16s16	11n14	4s19	14s41	0n18	14s22	0n48	20s37	0s30	8n 3	1n 6	3n 1	2s47	1s24	0s45	22s 8	0n29	18n29	4s57	23s20	23s24	15n11	17s34	5n49

Julian Day Number = 2149769.5, Delta T = 14m20s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'12, Lahiri = 12°20'12 Julian Calendar 1 Oct. 1173 == Greg. Calendar 8 Oct. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

NOVEMBER 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 18	15♏30'12	0♍30	11♏52	12♏ 1	0♐12	12♍18	14°R 0	28°R11	15♑43	24°R 3	22°R34	23♐42	7♌ 9	6♑48	T 1
F 2	3 11 15	16°30'51	12°37	13°28	13°17	0°57	12°27	13♈56	28♓10	15°45	24♊ 2	22♐31	23°39	7°15	6°52	F 2
S 3	3 15 11	17°31'32	24°58	15° 3	14°32	1°41	12°35	13°53	28° 8	15°46	24° 1	22°27	23°35	7°22	6°56	S 3
S 4	3 19 8	18°32'15	7♎37	16°38	15°47	2°26	12°44	13°49	28° 7	15°48	24° 0	22°21	23°32	7°29	7° 1	S 4
M 5	3 23 4	19°33'00	20°36	18°13	17° 3	3°10	12°52	13°46	28° 6	15°49	23°59	22°15	23°29	7°36	7° 5	M 5
T 6	3 27 1	20°33'46	3♏55	19°48	18°19	3°55	13° 0	13°42	28° 4	15°50	23°58	22°10	23°26	7°42	7° 9	T 6
W 7	3 30 57	21°34'33	17°34	21°23	19°34	4°39	13° 8	13°39	28° 3	15°52	23°57	22° 5	23°23	7°49	7°14	W 7
T 8	3 34 54	22°35'22	1♐28	22°57	20°50	5°24	13°16	13°36	28° 2	15°53	23°56	22° 2	23°20	7°56	7°18	T 8
F 9	3 38 51	23°36'12	15°36	24°32	22° 5	6° 8	13°24	13°33	28° 1	15°55	23°55	22°D 1	23°16	8° 2	7°23	F 9
S 10	3 42 47	24°37'03	29°51	26° 6	23°21	6°53	13°32	13°30	28° 0	15°57	23°54	22° 1	23°13	8° 9	7°28	S 10
S 11	3 46 44	25°37'55	14♑11	27°40	24°36	7°38	13°40	13°27	27°59	15°58	23°53	22° 2	23°10	8°16	7°32	S 11
M12	3 50 40	26°38'49	28°31	29°14	25°52	8°23	13°47	13°24	27°58	16° 0	23°52	22° 4	23° 7	8°22	7°37	M12
T 13	3 54 37	27°39'43	12♒47	0♐48	27° 7	9° 8	13°54	13°21	27°57	16° 1	23°51	22° 5	23° 4	8°29	7°42	T 13
W14	3 58 33	28°40'37	26°58	2°22	28°23	9°53	14° 2	13°19	27°56	16° 3	23°50	22°R 6	23° 0	8°36	7°46	W14
T 15	4 2 30	29°41'33	11♓ 1	3°56	29°38	10°38	14° 9	13°16	27°56	16° 5	23°49	22° 5	22°57	8°42	7°51	T 15
F 16	4 6 26	0♐42'29	24°56	5°30	0♐54	11°23	14°16	13°14	27°55	16° 7	23°48	22° 4	22°54	8°49	7°56	F 16
S 17	4 10 23	1°43'26	8♈40	7° 4	2° 9	12° 8	14°22	13°11	27°54	16° 8	23°47	22° 1	22°51	8°56	8° 1	S 17
S 18	4 14 20	2°44'24	22°13	8°38	3°25	12°53	14°29	13° 9	27°53	16°10	23°45	21°59	22°48	9° 2	8° 6	S 18
M19	4 18 16	3°45'22	5♉34	10°12	4°40	13°38	14°35	13° 7	27°53	16°12	23°44	21°56	22°45	9° 9	8°11	M19
T 20	4 22 13	4°46'22	18°41	11°46	5°56	14°23	14°42	13° 5	27°52	16°14	23°43	21°53	22°41	9°16	8°16	T 20
W21	4 26 9	5°47'22	1♊34	13°20	7°11	15° 9	14°48	13° 3	27°52	16°15	23°42	21°51	22°38	9°22	8°21	W21
T 22	4 30 6	6°48'23	14°12	14°54	8°27	15°54	14°54	13° 1	27°51	16°17	23°41	21°51	22°35	9°29	8°26	T 22
F 23	4 34 2	7°49'25	26°37	16°28	9°42	16°39	15° 0	12°59	27°51	16°19	23°40	21°D50	22°32	9°36	8°31	F 23
S 24	4 37 59	8°50'28	8♋50	18° 2	10°58	17°25	15° 6	12°58	27°51	16°21	23°39	21°51	22°29	9°43	8°36	S 24
S 25	4 41 55	9°51'31	20°52	19°36	12°13	18°10	15°11	12°56	27°50	16°23	23°37	21°52	22°26	9°49	8°41	S 25
M26	4 45 52	10°52'36	2♌46	21°11	13°29	18°56	15°16	12°55	27°50	16°25	23°36	21°53	22°22	9°56	8°46	M26
T 27	4 49 49	11°53'41	14°36	22°45	14°44	19°41	15°22	12°53	27°50	16°27	23°35	21°54	22°19	10° 3	8°52	T 27
W28	4 53 45	12°54'47	26°27	24°19	16° 0	20°27	15°27	12°52	27°50	16°29	23°34	21°55	22°16	10° 9	8°57	W28
T 29	4 57 42	13°55'54	8♍22	25°53	17°15	21°13	15°32	12°51	27°50	16°31	23°33	21°56	22°13	10°16	9° 2	T 29
F 30	5 1 38	14♐57'02	20♍26	27♐27	18♐31	21♐58	15♍36	12♈50	27°D50	16♑33	23♊31	21°R56	22♐10	10♌23	9♑ 8	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s33	6n50	4s49	15s18	0n11	14s47	0n46	20s47	0s31	8n 0	1n 6	2n59	2s46	1s25	0s45	22s 8	0n29	18n28	4s57	23s20	23s24	15n 8	17s34	5n48
F 2	16 51	2 8	5 7	15 53	0 4	15 12	0 44	20 57	0 31	7 57	1 6	2 58	2 46	1 25	0 45	22 8	0 29	18 28	4 57	23 20	23 24	15 6	17 35	5 48
S 3	17 8	2s45	5 11	16 28	0s 3	15 37	0 42	21 7	0 32	7 53	1 7	2 57	2 46	1 26	0 45	22 8	0 29	18 28	4 57	23 20	23 23	15 4	17 35	5 48
S 4	17 25	7 38	5 1	17 2	0 9	16 1	0 39	21 16	0 32	7 50	1 7	2 56	2 46	1 26	0 45	22 8	0 29	18 28	4 57	23 19	23 23	15 1	17 35	5 47
M 5	17 42	12 19	4 35	17 35	0 16	16 24	0 37	21 25	0 33	7 47	1 7	2 55	2 46	1 27	0 45	22 8	0 29	18 28	4 57	23 19	23 23	14 59	17 35	5 47
T 6	17 58	16 32	3 53	18 8	0 22	16 48	0 35	21 34	0 34	7 44	1 7	2 53	2 45	1 27	0 45	22 8	0 29	18 28	4 57	23 19	23 23	14 57	17 35	5 47
W 7	18 14	19 59	2 58	18 39	0 29	17 10	0 33	21 43	0 34	7 41	1 8	2 52	2 45	1 28	0 45	22 7	0 29	18 28	4 57	23 19	23 23	14 55	17 35	5 47
T 8	18 30	22 21	1 50	19 10	0 35	17 33	0 31	21 52	0 35	7 39	1 8	2 51	2 45	1 28	0 45	22 7	0 29	18 28	4 57	23 18	23 23	14 52	17 35	5 46
F 9	18 45	23 21	0 35	19 39	0 42	17 55	0 28	22 0	0 35	7 36	1 8	2 50	2 45	1 28	0 45	22 7	0 29	18 28	4 57	23 18	23 22	14 50	17 35	5 46
S 10	19 0	22 50	0n43	20 8	0 48	18 16	0 26	22 9	0 36	7 33	1 8	2 49	2 45	1 29	0 45	22 7	0 29	18 28	4 57	23 18	23 22	14 48	17 35	5 46
S 11	19 15	20 49	1 59	20 36	0 54	18 37	0 24	22 17	0 36	7 30	1 8	2 48	2 44	1 29	0 45	22 7	0 29	18 28	4 57	23 18	23 22	14 45	17 35	5 46
M12	19 30	17 30	3 7	21 3	1 0	18 58	0 22	22 24	0 37	7 28	1 9	2 48	2 44	1 29	0 44	22 7	0 29	18 28	4 57	23 18	23 22	14 43	17 35	5 45
T 13	19 44	13 9	4 4	21 29	1 6	19 17	0 19	22 32	0 37	7 25	1 9	2 47	2 44	1 30	0 44	22 6	0 29	18 28	4 57	23 19	23 22	14 41	17 35	5 45
W14	19 57	8 7	4 45	21 54	1 11	19 37	0 17	22 39	0 38	7 22	1 9	2 46	2 44	1 30	0 44	22 6	0 29	18 28	4 57	23 19	23 22	14 38	17 35	5 45
T 15	20 10	2 42	5 9	22 17	1 17	19 56	0 15	22 46	0 38	7 20	1 9	2 45	2 44	1 30	0 44	22 6	0 29	18 28	4 57	23 19	23 21	14 36	17 35	5 45
F 16	20 23	2n47	5 15	22 40	1 22	20 14	0 12	22 53	0 39	7 18	1 10	2 44	2 43	1 31	0 44	22 6	0 29	18 28	4 57	23 18	23 21	14 34	17 35	5 44
S 17	20 36	8 4	5 2	23 1	1 27	20 31	0 10	23 0	0 39	7 15	1 10	2 44	2 43	1 31	0 44	22 6	0 28	18 28	4 57	23 18	23 21	14 31	17 35	5 44
S 18	20 48	12 54	4 32	23 21	1 32	20 49	0 7	23 6	0 40	7 13	1 10	2 43	2 43	1 31	0 44	22 5	0 28	18 28	4 57	23 18	23 21	14 29	17 35	5 44
M19	21 0	17 1	3 49	23 41	1 37	21 5	0 5	23 12	0 40	7 10	1 10	2 42	2 43	1 31	0 44	22 5	0 28	18 28	4 57	23 18	23 21	14 27	17 34	5 44
T 20	21 11	20 14	2 53	23 58	1 41	21 21	0 3	23 18	0 41	7 8	1 11	2 42	2 42	1 32	0 44	22 5	0 28	18 28	4 57	23 18	23 21	14 24	17 34	5 44
W21	21 22	22 21	1 50	24 15	1 46	21 36	0 0	23 24	0 41	7 6	1 11	2 41	2 42	1 32	0 44	22 5	0 28	18 27	4 57	23 18	23 20	14 22	17 34	5 43
T 22	21 33	23 18	0 42	24 30	1 50	21 51	0s 2	23 29	0 42	7 4	1 11	2 41	2 42	1 32	0 44	22 5	0 28	18 27	4 57	23 18	23 20	14 20	17 34	5 43
F 23	21 43	23 4	0s26	24 44	1 54	22 5	0 5	23 35	0 42	7 2	1 11	2 40	2 42	1 32	0 44	22 4	0 28	18 27	4 57	23 18	23 20	14 17	17 34	5 43
S 24	21 52	21 42	1 33	24 57	1 57	22 18	0 7	23 40	0 43	7 0	1 12	2 40	2 41	1 32	0 44	22 4	0 28	18 27	4 57	23 18	23 20	14 15	17 34	5 43
S 25	22 2	19 23	2 34	25 8	2 0	22 31	0 9	23 44	0 43	6 58	1 12	2 40	2 41	1 32	0 44	22 4	0 28	18 27	4 56	23 18	23 20	14 13	17 34	5 43
M26	22 11	16 15	3 28	25 18	2 3	22 43	0 12	23 49	0 44	6 56	1 12	2 39	2 41	1 32	0 44	22 4	0 28	18 27	4 56	23 18	23 20	14 10	17 33	5 42
T 27	22 19	12 30	4 13	25 26	2 6	22 54	0 14	23 53	0 44	6 54	1 12	2 39	2 40	1 32	0 44	22 4	0 28	18 27	4 56	23 18	23 19	14 8	17 33	5 42
W28	22 27	8 16	4 47	25 33	2 8	23 5	0 16	23 57	0 45	6 53	1 13	2 39	2 40	1 32	0 44	22 3	0 28	18 27	4 56	23 18	23 19	14 6	17 33	5 42
T 29	22 34	3 42	5 9	25 39	2 10	23 15	0 19	24 0	0 45	6 51	1 13	2 39	2 40	1 32	0 44	22 3	0 28	18 27	4 56	23 18	23 19	14 3	17 33	5 42
F 30	22s42	1s 3	5s17	25s43	2s11	23s24	0s21	24s 4	0s46	6n49	1n13	2n38	2s40	1s32	0s44	22s 3	0n28	18n27	4s56	23s18	23s19	14n 1	17s33	5n42

Julian Day Number = 2149800.5, Delta T = 14m20s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'16, Lahiri = 12°20'16 Julian Calendar 1 Nov. 1173 == Greg. Calendar 8 Nov. 1173

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ASTRODIENST EPHEMERIS for the year 1173
geocentric

DECEMBER 1173 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 35	15♐58'11	2♎45	29♐ 0	19♐46	22♐44	15♍41	12°R49	27♓50	16♑35	23°R30	21°R55	22♐ 6	10♌29	9♑13	S 1
S 2	5 9 31	16°59'20	15°22	0♑34	21° 2	23°30	15°45	12♈48	27°50	16°37	23♊29	21♐55	22° 3	10°36	9°18	S 2
M 3	5 13 28	18° 0'30	28°21	2° 7	22°17	24°16	15°50	12°47	27°50	16°39	23°28	21°54	22° 0	10°43	9°24	M 3
T 4	5 17 24	19° 1'41	11♏44	3°40	23°33	25° 2	15°54	12°47	27°50	16°41	23°27	21°54	21°57	10°49	9°29	T 4
W 5	5 21 21	20° 2'52	25°32	5°12	24°48	25°48	15°58	12°46	27°50	16°43	23°25	21°54	21°54	10°56	9°34	W 5
T 6	5 25 18	21° 4'04	9♐43	6°44	26° 4	26°34	16° 1	12°46	27°50	16°45	23°24	21°53	21°51	11° 3	9°40	T 6
F 7	5 29 14	22° 5'16	24°13	8°15	27°19	27°20	16° 5	12°46	27°51	16°47	23°23	21°53	21°47	11°10	9°45	F 7
S 8	5 33 11	23° 6'29	8♑55	9°44	28°34	28° 6	16° 8	12°46	27°51	16°49	23°22	21°53	21°44	11°16	9°51	S 8
S 9	5 37 7	24° 7'42	23°44	11°13	29°50	28°52	16°11	12°D46	27°52	16°51	23°21	21°53	21°41	11°23	9°56	S 9
M10	5 41 4	25° 8'54	8♒31	12°40	1♑ 5	29°38	16°14	12°46	27°52	16°54	23°19	21°53	21°38	11°30	10° 2	M10
T 11	5 45 0	26°10'07	23°11	14° 5	2°21	0♑24	16°17	12°46	27°53	16°56	23°18	21°53	21°35	11°36	10° 7	T 11
W12	5 48 57	27°11'19	7♓36	15°28	3°36	1°10	16°20	12°46	27°53	16°58	23°17	21°52	21°32	11°43	10°13	W12
T 13	5 52 54	28°12'31	21°45	16°49	4°52	1°57	16°22	12°47	27°54	17° 0	23°16	21°D52	21°28	11°50	10°18	T 13
F 14	5 56 50	29°13'42	5♈36	18° 6	6° 7	2°43	16°24	12°47	27°54	17° 2	23°14	21°52	21°25	11°56	10°24	F 14
S 15	6 0 47	0♑14'54	19° 8	19°20	7°23	3°29	16°27	12°48	27°55	17° 4	23°13	21°52	21°22	12° 3	10°30	S 15
S 16	6 4 43	1°16'05	2♉22	20°29	8°38	4°16	16°28	12°49	27°56	17° 7	23°12	21°53	21°19	12°10	10°35	S 16
M17	6 8 40	2°17'16	15°20	21°34	9°53	5° 2	16°30	12°50	27°57	17° 9	23°11	21°54	21°16	12°16	10°41	M17
T 18	6 12 36	3°18'26	28° 4	22°33	11° 9	5°49	16°32	12°51	27°58	17°11	23°10	21°55	21°12	12°23	10°46	T 18
W19	6 16 33	4°19'36	10♊36	23°26	12°24	6°35	16°33	12°52	27°59	17°13	23° 8	21°56	21° 9	12°30	10°52	W19
T 20	6 20 29	5°20'46	22°57	24°11	13°40	7°22	16°34	12°53	28° 0	17°15	23° 7	21°R56	21° 6	12°37	10°58	T 20
F 21	6 24 26	6°21'55	5♋ 8	24°48	14°55	8° 8	16°35	12°54	28° 1	17°18	23° 6	21°56	21° 3	12°43	11° 3	F 21
S 22	6 28 23	7°23'05	17°11	25°15	16°10	8°55	16°36	12°56	28° 2	17°20	23° 5	21°54	21° 0	12°50	11° 9	S 22
S 23	6 32 19	8°24'14	29° 8	25°33	17°26	9°41	16°36	12°57	28° 3	17°22	23° 4	21°52	20°57	12°57	11°15	S 23
M24	6 36 16	9°25'22	11♌ 1	25°R40	18°41	10°28	16°37	12°59	28° 4	17°24	23° 3	21°50	20°53	13° 3	11°20	M24
T 25	6 40 12	10°26'30	22°51	25°36	19°56	11°15	16°R37	13° 1	28° 5	17°27	23° 1	21°46	20°50	13°10	11°26	T 25
W26	6 44 9	11°27'38	4♍42	25°20	21°12	12° 1	16°37	13° 3	28° 7	17°29	23° 0	21°43	20°47	13°17	11°31	W26
T 27	6 48 5	12°28'46	16°37	24°52	22°27	12°48	16°37	13° 5	28° 8	17°31	22°59	21°41	20°44	13°23	11°37	T 27
F 28	6 52 2	13°29'54	28°40	24°13	23°42	13°35	16°36	13° 7	28° 9	17°34	22°58	21°39	20°41	13°30	11°43	F 28
S 29	6 55 58	14°31'01	10♎55	23°23	24°57	14°22	16°36	13° 9	28°11	17°36	22°57	21°D38	20°38	13°37	11°48	S 29
S 30	6 59 55	15°32'08	23°26	22°24	26°13	15° 8	16°35	13°11	28°12	17°38	22°56	21°38	20°34	13°43	11°54	S 30
M31	7 3 52	16♑33'14	6♏18	21♑17	27♑28	15♑55	16♍34	13♈14	28♓14	17♑40	22♊55	21♐39	20♐31	13♌50	12♑ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s48	5s52	5s12	25s45	2s12	23s32	0s23	24s 7	0s46	6n48	1n14	2n38	2s39	1s32	0s44	22s 3	0n28	18n27	4s56	23s18	23s19	13n59	17s32	5n42
S 2	22 54	10 33	4 51	25 46	2 13	23 40	0 26	24 10	0 47	6 46	1 14	2 38	2 39	1 32	0 44	22 2	0 28	18 27	4 56	23 18	23 18	13 56	17 32	5 42
M 3	23 0	14 55	4 16	25 45	2 13	23 47	0 28	24 12	0 47	6 45	1 14	2 38	2 39	1 32	0 44	22 2	0 28	18 27	4 56	23 18	23 18	13 54	17 32	5 42
T 4	23 5	18 40	3 25	25 42	2 13	23 53	0 30	24 15	0 48	6 44	1 14	2 38	2 39	1 32	0 44	22 2	0 28	18 27	4 56	23 18	23 18	13 52	17 32	5 41
W 5	23 10	21 31	2 21	25 38	2 12	23 59	0 33	24 17	0 48	6 42	1 15	2 38	2 38	1 32	0 44	22 2	0 28	18 27	4 56	23 18	23 18	13 49	17 31	5 41
T 6	23 15	23 7	1 7	25 33	2 10	24 4	0 35	24 19	0 49	6 41	1 15	2 39	2 38	1 32	0 44	22 2	0 28	18 27	4 56	23 18	23 18	13 47	17 31	5 41
F 7	23 19	23 12	0n13	25 25	2 8	24 8	0 37	24 20	0 49	6 40	1 15	2 39	2 38	1 32	0 43	22 1	0 28	18 27	4 56	23 18	23 17	13 45	17 31	5 41
S 8	23 22	21 42	1 33	25 17	2 6	24 11	0 39	24 21	0 49	6 39	1 15	2 39	2 37	1 31	0 43	22 1	0 28	18 27	4 56	23 18	23 17	13 42	17 31	5 41
S 9	23 25	18 42	2 48	25 6	2 2	24 14	0 41	24 22	0 50	6 38	1 16	2 39	2 37	1 31	0 43	22 1	0 28	18 27	4 56	23 18	23 17	13 40	17 30	5 41
M10	23 27	14 29	3 51	24 54	1 58	24 16	0 43	24 23	0 50	6 37	1 16	2 39	2 37	1 31	0 43	22 1	0 28	18 27	4 56	23 18	23 17	13 37	17 30	5 41
T 11	23 29	9 28	4 39	24 40	1 53	24 17	0 45	24 23	0 51	6 36	1 16	2 40	2 37	1 31	0 43	22 0	0 28	18 27	4 56	23 18	23 17	13 35	17 30	5 41
W12	23 31	4 0	5 8	24 25	1 47	24 17	0 48	24 23	0 51	6 36	1 17	2 40	2 36	1 30	0 43	22 0	0 28	18 27	4 56	23 18	23 16	13 33	17 29	5 41
T 13	23 32	1n34	5 17	24 9	1 41	24 17	0 50	24 23	0 51	6 35	1 17	2 41	2 36	1 30	0 43	22 0	0 28	18 27	4 56	23 18	23 16	13 30	17 29	5 41
F 14	23 33	6 57	5 8	23 51	1 33	24 16	0 52	24 23	0 52	6 34	1 17	2 41	2 36	1 30	0 43	22 0	0 28	18 27	4 56	23 18	23 16	13 28	17 28	5 41
S 15	23 33	11 52	4 42	23 33	1 25	24 14	0 54	24 22	0 52	6 34	1 17	2 42	2 35	1 29	0 43	21 59	0 28	18 27	4 56	23 18	23 16	13 26	17 28	5 41
S 16	23 32	16 7	4 2	23 13	1 15	24 11	0 55	24 21	0 53	6 33	1 18	2 42	2 35	1 29	0 43	21 59	0 28	18 27	4 55	23 18	23 16	13 23	17 28	5 41
M17	23 32	19 31	3 9	22 52	1 5	24 8	0 57	24 20	0 53	6 33	1 18	2 43	2 35	1 29	0 43	21 59	0 28	18 27	4 55	23 18	23 15	13 21	17 27	5 41
T 18	23 30	21 54	2 8	22 31	0 53	24 4	0 59	24 18	0 53	6 33	1 18	2 44	2 34	1 28	0 43	21 58	0 28	18 27	4 55	23 18	23 15	13 18	17 27	5 41
W19	23 28	23 10	1 2	22 10	0 40	23 59	1 1	24 17	0 54	6 32	1 19	2 44	2 34	1 28	0 43	21 58	0 28	18 27	4 55	23 18	23 15	13 16	17 26	5 41
T 20	23 26	23 16	0s 6	21 48	0 26	23 53	1 3	24 15	0 54	6 32	1 19	2 45	2 34	1 27	0 43	21 58	0 28	18 27	4 55	23 18	23 15	13 14	17 26	5 41
F 21	23 24	22 14	1 12	21 27	0 12	23 47	1 4	24 12	0 55	6 32	1 19	2 46	2 34	1 27	0 43	21 58	0 28	18 27	4 55	23 18	23 15	13 11	17 26	5 41
S 22	23 20	20 12	2 15	21 6	0n 5	23 39	1 6	24 10	0 55	6 32	1 20	2 47	2 33	1 27	0 43	21 57	0 28	18 27	4 55	23 18	23 14	13 9	17 25	5 41
S 23	23 17	17 18	3 11	20 46	0 21	23 32	1 8	24 7	0 55	6 32	1 20	2 47	2 33	1 26	0 43	21 57	0 28	18 27	4 55	23 18	23 14	13 7	17 25	5 41
M24	23 13	13 43	3 59	20 28	0 39	23 23	1 9	24 3	0 56	6 32	1 20	2 48	2 33	1 26	0 43	21 57	0 28	18 27	4 55	23 18	23 14	13 4	17 24	5 41
T 25	23 8	9 37	4 36	20 10	0 58	23 14	1 11	24 0	0 56	6 32	1 20	2 49	2 32	1 25	0 43	21 57	0 28	18 27	4 55	23 17	23 14	13 2	17 24	5 41
W26	23 3	5 9	5 1	19 55	1 17	23 4	1 12	23 56	0 56	6 33	1 21	2 50	2 32	1 24	0 43	21 56	0 28	18 27	4 55	23 17	23 13	12 59	17 23	5 41
T 27	22 57	0 29	5 14	19 41	1 36	22 53	1 14	23 52	0 57	6 33	1 21	2 51	2 32	1 24	0 43	21 56	0 28	18 27	4 55	23 17	23 13	12 57	17 23	5 41
F 28	22 51	4s15	5 13	19 29	1 54	22 41	1 15	23 48	0 57	6 33	1 21	2 52	2 32	1 23	0 43	21 56	0 28	18 27	4 54	23 17	23 13	12 55	17 22	5 41
S 29	22 45	8 53	4 57	19 20	2 12	22 29	1 17	23 43	0 57	6 34	1 22	2 54	2 31	1 23	0 43	21 55	0 28	18 27	4 54	23 17	23 13	12 52	17 22	5 41
S 30	22 38	13 17	4 28	19 13	2 30	22 16	1 18	23 38	0 58	6 35	1 22	2 55	2 31	1 22	0 43	21 55	0 28	18 27	4 54	23 17	23 13	12 50	17 21	5 41
M31	22s31	17s12	3s44	19s 8	2n45	22s 3	1s19	23s33	0s58	6n35	1n22	2n56	2s31	1s21	0s43	21s55	0n28	18n28	4s54	23s17	23s12	12n47	17s20	5n41

Julian Day Number = 2149830.5, Delta T = 14m19s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'20, Lahiri = 12°20'21 Julian Calendar 1 Dec. 1173 == Greg. Calendar 8 Dec. 1173

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

JANUARY 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 7 48	17♉34'20	19♏35	20°R 4	28♉43	16♉42	16°R33	13♈16	28♓15	17♉43	22°R54	21♐41	20♐28	13♌57	12♉ 5	T 1
W 2	7 11 45	18°35'26	3♐18	18♉48	29°59	17°29	16♍31	13°19	28°17	17°45	22♊52	21°42	20°25	14° 4	12°11	W 2
T 3	7 15 41	19°36'31	17°29	17°30	1♒14	18°16	16°30	13°22	28°19	17°47	22°51	21°R43	20°22	14°10	12°16	T 3
F 4	7 19 38	20°37'36	2♉ 6	16°14	2°29	19° 3	16°28	13°24	28°20	17°49	22°50	21°43	20°18	14°17	12°22	F 4
S 5	7 23 34	21°38'40	17° 3	15° 1	3°44	19°50	16°26	13°27	28°22	17°52	22°49	21°41	20°15	14°24	12°27	S 5
S 6	7 27 31	22°39'43	2♒12	13°54	4°59	20°37	16°24	13°30	28°24	17°54	22°48	21°38	20°12	14°30	12°33	S 6
M 7	7 31 28	23°40'46	17°24	12°53	6°15	21°24	16°22	13°34	28°26	17°56	22°47	21°33	20° 9	14°37	12°39	M 7
T 8	7 35 24	24°41'47	2♓28	12° 0	7°30	22°11	16°19	13°37	28°28	17°59	22°46	21°28	20° 6	14°44	12°44	T 8
W 9	7 39 21	25°42'47	17°15	11°15	8°45	22°58	16°16	13°40	28°30	18° 1	22°45	21°23	20° 3	14°50	12°50	W 9
T 10	7 43 17	26°43'45	1♈40	10°39	10° 0	23°45	16°13	13°44	28°32	18° 3	22°44	21°19	19°59	14°57	12°55	T 10
F 11	7 47 14	27°44'43	15°39	10°12	11°15	24°32	16°10	13°47	28°34	18° 5	22°43	21°17	19°56	15° 4	13° 1	F 11
S 12	7 51 10	28°45'39	29°12	9°54	12°30	25°19	16° 7	13°51	28°36	18° 8	22°42	21°D16	19°53	15°11	13° 6	S 12
S 13	7 55 7	29°46'33	12♉21	9°44	13°46	26° 6	16° 4	13°54	28°38	18°10	22°41	21°17	19°50	15°17	13°12	S 13
M14	7 59 3	0♒47'27	25° 9	9°D42	15° 1	26°54	16° 0	13°58	28°40	18°12	22°40	21°19	19°47	15°24	13°17	M14
T 15	8 3 0	1°48'19	7♊39	9°47	16°16	27°41	15°56	14° 2	28°42	18°14	22°39	21°20	19°44	15°31	13°22	T 15
W16	8 6 56	2°49'09	19°56	10° 0	17°31	28°28	15°52	14° 6	28°44	18°17	22°39	21°R21	19°40	15°37	13°28	W16
T 17	8 10 53	3°49'58	2♋ 2	10°19	18°46	29°15	15°48	14°10	28°47	18°19	22°38	21°20	19°37	15°44	13°33	T 17
F 18	8 14 50	4°50'46	14° 2	10°44	20° 1	0♒ 2	15°44	14°14	28°49	18°21	22°37	21°18	19°34	15°51	13°38	F 18
S 19	8 18 46	5°51'32	25°57	11°14	21°16	0°49	15°40	14°19	28°51	18°23	22°36	21°13	19°31	15°57	13°44	S 19
S 20	8 22 43	6°52'17	7♌49	11°50	22°31	1°37	15°35	14°23	28°54	18°25	22°35	21° 6	19°28	16° 4	13°49	S 20
M21	8 26 39	7°53'01	19°40	12°30	23°45	2°24	15°30	14°28	28°56	18°28	22°34	20°57	19°24	16°11	13°54	M21
T 22	8 30 36	8°53'43	1♍32	13°14	25° 0	3°11	15°25	14°32	28°58	18°30	22°34	20°47	19°21	16°18	14° 0	T 22
W23	8 34 32	9°54'24	13°26	14° 2	26°15	3°58	15°20	14°37	29° 1	18°32	22°33	20°38	19°18	16°24	14° 5	W23
T 24	8 38 29	10°55'04	25°25	14°54	27°30	4°46	15°15	14°41	29° 3	18°34	22°32	20°29	19°15	16°31	14°10	T 24
F 25	8 42 25	11°55'42	7♎30	15°49	28°45	5°33	15° 9	14°46	29° 6	18°36	22°31	20°21	19°12	16°38	14°15	F 25
S 26	8 46 22	12°56'19	19°45	16°47	29°59	6°20	15° 4	14°51	29° 9	18°38	22°31	20°16	19° 9	16°44	14°20	S 26
S 27	8 50 19	13°56'55	2♏13	17°48	1♓15	7° 7	14°58	14°56	29°11	18°40	22°30	20°13	19° 5	16°51	14°25	S 27
M28	8 54 15	14°57'30	14°59	18°51	2°29	7°55	14°52	15° 1	29°14	18°42	22°29	20°D12	19° 2	16°58	14°30	M28
T 29	8 58 12	15°58'04	28° 7	19°57	3°44	8°42	14°46	15° 6	29°17	18°45	22°28	20°13	18°59	17° 4	14°35	T 29
W30	9 2 8	16°58'36	11♐39	21° 5	4°59	9°29	14°40	15°11	29°19	18°47	22°28	20°14	18°56	17°11	14°40	W30
T 31	9 6 5	17♒59'07	25♐39	22♉15	6♓13	10♒17	14♍34	15♈17	29♓22	18♉49	22♊27	20°R14	18♐53	17♌18	14♉45	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22 s23	20 s23	2 s48	19 s 5	2n59	21 s49	1 s20	23 s28	0 s58	6n36	1n22	2n57	2 s30	1 s21	0 s43	21 s55	0n28	18n28	4 s54	23 s17	23 s12	12n45	17 s20	5n41
W 2	22 15	22 32	1 39	19 4	3 11	21 34	1 21	23 22	0 59	6 37	1 23	2 58	2 30	1 20	0 42	21 54	0 28	18 28	4 54	23 17	23 12	12 43	17 19	5 41
T 3	22 6	23 20	0 23	19 5	3 20	21 19	1 22	23 16	0 59	6 38	1 23	3 0	2 30	1 19	0 42	21 54	0 28	18 28	4 54	23 17	23 12	12 40	17 19	5 41
F 4	21 57	22 35	0n57	19 8	3 27	21 3	1 23	23 10	0 59	6 39	1 23	3 1	2 30	1 19	0 42	21 54	0 28	18 28	4 54	23 17	23 11	12 38	17 18	5 41
S 5	21 48	20 14	2 14	19 12	3 31	20 46	1 24	23 3	0 59	6 40	1 24	3 2	2 29	1 18	0 42	21 53	0 28	18 28	4 54	23 17	23 11	12 35	17 17	5 42
S 6	21 38	16 27	3 24	19 17	3 33	20 29	1 25	22 56	1 0	6 41	1 24	3 4	2 29	1 17	0 42	21 53	0 28	18 28	4 54	23 17	23 11	12 33	17 17	5 42
M 7	21 28	11 35	4 19	19 23	3 33	20 11	1 26	22 49	1 0	6 42	1 24	3 5	2 29	1 16	0 42	21 53	0 28	18 28	4 53	23 17	23 11	12 31	17 16	5 42
T 8	21 17	6 3	4 55	19 30	3 31	19 52	1 27	22 42	1 0	6 43	1 24	3 7	2 29	1 16	0 42	21 53	0 28	18 28	4 53	23 16	23 10	12 28	17 16	5 42
W 9	21 6	0 17	5 11	19 38	3 26	19 33	1 27	22 35	1 1	6 44	1 25	3 8	2 28	1 15	0 42	21 52	0 28	18 28	4 53	23 16	23 10	12 26	17 15	5 42
T 10	20 54	5n21	5 7	19 47	3 20	19 14	1 28	22 27	1 1	6 46	1 25	3 10	2 28	1 14	0 42	21 52	0 28	18 28	4 53	23 16	23 10	12 23	17 14	5 42
F 11	20 42	10 33	4 44	19 56	3 13	18 54	1 28	22 19	1 1	6 47	1 25	3 12	2 28	1 13	0 42	21 52	0 28	18 28	4 53	23 15	23 10	12 21	17 14	5 42
S 12	20 30	15 4	4 6	20 6	3 5	18 33	1 29	22 10	1 1	6 49	1 25	3 13	2 27	1 12	0 42	21 51	0 28	18 28	4 53	23 15	23 10	12 18	17 13	5 42
S 13	20 17	18 43	3 16	20 16	2 56	18 12	1 29	22 2	1 2	6 50	1 26	3 15	2 27	1 11	0 42	21 51	0 28	18 28	4 53	23 15	23 9	12 16	17 12	5 43
M14	20 4	21 22	2 18	20 26	2 46	17 50	1 30	21 53	1 2	6 52	1 26	3 17	2 27	1 11	0 42	21 51	0 28	18 28	4 53	23 16	23 9	12 14	17 12	5 43
T 15	19 51	22 54	1 14	20 36	2 36	17 28	1 30	21 44	1 2	6 54	1 26	3 18	2 27	1 10	0 42	21 50	0 28	18 28	4 52	23 16	23 9	12 11	17 11	5 43
W16	19 37	23 17	0 8	20 46	2 25	17 5	1 30	21 35	1 2	6 55	1 27	3 20	2 26	1 9	0 42	21 50	0 28	18 28	4 52	23 16	23 9	12 9	17 10	5 43
T 17	19 23	22 34	0 s58	20 55	2 14	16 42	1 30	21 25	1 2	6 57	1 27	3 22	2 26	1 8	0 42	21 50	0 28	18 29	4 52	23 16	23 8	12 6	17 10	5 43
F 18	19 8	20 49	2 0	21 4	2 3	16 18	1 31	21 15	1 3	6 59	1 27	3 24	2 26	1 7	0 42	21 50	0 28	18 29	4 52	23 16	23 8	12 4	17 9	5 43
S 19	18 53	18 10	2 56	21 13	1 51	15 54	1 31	21 5	1 3	7 1	1 27	3 26	2 26	1 6	0 42	21 49	0 28	18 29	4 52	23 15	23 8	12 2	17 8	5 44
S 20	18 38	14 47	3 44	21 21	1 40	15 30	1 31	20 55	1 3	7 3	1 28	3 28	2 25	1 5	0 42	21 49	0 28	18 29	4 52	23 15	23 8	11 59	17 7	5 44
M21	18 23	10 49	4 23	21 29	1 29	15 5	1 30	20 44	1 3	7 5	1 28	3 30	2 25	1 4	0 42	21 49	0 28	18 29	4 52	23 14	23 7	11 57	17 7	5 44
T 22	18 7	6 28	4 50	21 36	1 18	14 40	1 30	20 34	1 3	7 7	1 28	3 32	2 25	1 3	0 42	21 48	0 28	18 29	4 52	23 13	23 7	11 54	17 6	5 44
W23	17 51	1 52	5 4	21 42	1 7	14 14	1 30	20 23	1 4	7 10	1 28	3 34	2 25	1 2	0 42	21 48	0 28	18 29	4 51	23 13	23 7	11 52	17 5	5 45
T 24	17 34	2 s50	5 5	21 47	0 56	13 48	1 30	20 11	1 4	7 12	1 28	3 36	2 25	1 1	0 42	21 48	0 28	18 29	4 51	23 12	23 7	11 49	17 4	5 45
F 25	17 17	7 28	4 53	21 51	0 45	13 21	1 29	20 0	1 4	7 14	1 29	3 38	2 24	1 0	0 42	21 48	0 28	18 29	4 51	23 12	23 6	11 47	17 4	5 45
S 26	17 0	11 52	4 27	21 54	0 35	12 54	1 29	19 48	1 4	7 16	1 29	3 40	2 24	0 59	0 42	21 47	0 28	18 29	4 51	23 11	23 6	11 44	17 3	5 45
S 27	16 43	15 52	3 48	21 57	0 25	12 27	1 28	19 36	1 4	7 19	1 29	3 42	2 24	0 58	0 42	21 47	0 28	18 30	4 51	23 11	23 6	11 42	17 2	5 46
M28	16 25	19 14	2 57	21 58	0 15	12 0	1 28	19 24	1 4	7 21	1 29	3 44	2 24	0 57	0 42	21 47	0 28	18 30	4 51	23 11	23 5	11 40	17 1	5 46
T 29	16 7	21 42	1 56	21 58	0 5	11 32	1 27	19 12	1 4	7 24	1 30	3 46	2 23	0 55	0 42	21 46	0 28	18 30	4 51	23 11	23 5	11 37	17 1	5 46
W30	15 49	23 2	0 46	21 57	0 s 4	11 4	1 26	19 0	1 5	7 26	1 30	3 48	2 23	0 54	0 42	21 46	0 28	18 30	4 50	23 11	23 5	11 35	17 0	5 46
T 31	15 s31	22 s59	0n29	21 s55	0 s13	10 s36	1 s26	18 s47	1 s 5	7n29	1n30	3n51	2 s23	0 s53	0 s42	21 s46	0n28	18n30	4 s50	23 s11	23 s 5	11n32	16 s59	5n47

Julian Day Number = 2149861.5, Delta T = 14m19s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'24, Lahiri = 12°20'25 Julian Calendar 1 Jan. 1174 == Greg. Calendar 8 Jan. 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

FEBRUARY 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 10 1	18♒59'36	10♉ 7	23♉27	7♓28	11♒ 4	14°R28	15♈22	29♓25	18♉51	22°R27	20°R12	18♐50	17♌25	14♉50	F 1
S 2	9 13 58	20° 0'05	25° 0	24°41	8°43	11°51	14♍21	15°27	29°28	18°53	22♊26	20♐ 8	18°46	17°31	14°55	S 2
S 3	9 17 55	21° 0'31	10♒10	25°56	9°57	12°39	14°15	15°33	29°30	18°55	22°25	20° 2	18°43	17°38	15° 0	S 3
M 4	9 21 51	22° 0'56	25°30	27°13	11°12	13°26	14° 8	15°38	29°33	18°57	22°25	19°53	18°40	17°45	15° 5	M 4
T 5	9 25 48	23° 1'19	10♓47	28°31	12°27	14°13	14° 1	15°44	29°36	18°59	22°24	19°43	18°37	17°51	15°10	T 5
W 6	9 29 44	24° 1'40	25°51	29°51	13°41	15° 1	13°54	15°50	29°39	19° 1	22°24	19°33	18°34	17°58	15°14	W 6
T 7	9 33 41	25° 2'00	10♈31	1♒13	14°56	15°48	13°47	15°55	29°42	19° 3	22°23	19°25	18°30	18° 5	15°19	T 7
F 8	9 37 37	26° 2'17	24°43	2°35	16°10	16°35	13°40	16° 1	29°45	19° 5	22°23	19°19	18°27	18°11	15°24	F 8
S 9	9 41 34	27° 2'32	8♉26	3°59	17°24	17°23	13°33	16° 7	29°48	19° 6	22°22	19°15	18°24	18°18	15°28	S 9
S 10	9 45 30	28° 2'46	21°39	5°25	18°39	18°10	13°26	16°13	29°51	19° 8	22°22	19°13	18°21	18°25	15°33	S 10
M11	9 49 27	29° 2'57	4♊27	6°51	19°53	18°57	13°19	16°19	29°54	19°10	22°22	19°D13	18°18	18°32	15°37	M11
T 12	9 53 23	0♓ 3'06	16°54	8°19	21° 8	19°45	13°11	16°25	29°57	19°12	22°21	19°R14	18°15	18°38	15°42	T 12
W13	9 57 20	1° 3'13	29° 5	9°48	22°22	20°32	13° 4	16°31	0♈ 0	19°14	22°21	19°13	18°11	18°45	15°46	W13
T 14	10 1 17	2° 3'17	11♋ 5	11°18	23°36	21°19	12°56	16°38	0° 3	19°16	22°21	19°11	18° 8	18°52	15°50	T 14
F 15	10 5 13	3° 3'20	22°58	12°49	24°50	22° 6	12°49	16°44	0° 6	19°17	22°20	19° 6	18° 5	18°58	15°55	F 15
S 16	10 9 10	4° 3'21	4♌48	14°22	26° 5	22°54	12°41	16°50	0°10	19°19	22°20	18°59	18° 2	19° 5	15°59	S 16
S 17	10 13 6	5° 3'19	16°39	15°55	27°19	23°41	12°33	16°56	0°13	19°21	22°20	18°48	17°59	19°12	16° 3	S 17
M18	10 17 3	6° 3'15	28°31	17°30	28°33	24°28	12°26	17° 3	0°16	19°23	22°20	18°35	17°55	19°19	16° 7	M18
T 19	10 20 59	7° 3'10	10♍26	19° 6	29°47	25°15	12°18	17° 9	0°19	19°24	22°19	18°21	17°52	19°25	16°11	T 19
W20	10 24 56	8° 3'02	22°27	20°43	1♈ 1	26° 3	12°10	17°16	0°22	19°26	22°19	18° 7	17°49	19°32	16°15	W20
T 21	10 28 52	9° 2'53	4♎33	22°21	2°15	26°50	12° 3	17°23	0°26	19°28	22°19	17°54	17°46	19°39	16°19	T 21
F 22	10 32 49	10° 2'41	16°47	24° 1	3°29	27°37	11°55	17°29	0°29	19°29	22°19	17°42	17°43	19°45	16°23	F 22
S 23	10 36 46	11° 2'28	29°10	25°41	4°43	28°24	11°47	17°36	0°32	19°31	22°19	17°34	17°40	19°52	16°27	S 23
S 24	10 40 42	12° 2'13	11♏43	27°23	5°57	29°11	11°39	17°43	0°35	19°32	22°19	17°28	17°36	19°59	16°31	S 24
M25	10 44 39	13° 1'56	24°31	29° 6	7°10	29°59	11°31	17°49	0°39	19°34	22°18	17°26	17°33	20° 5	16°35	M25
T 26	10 48 35	14° 1'38	7♐36	0♓50	8°24	0♓46	11°24	17°56	0°42	19°36	22°18	17°25	17°30	20°12	16°38	T 26
W27	10 52 32	15° 1'18	21° 1	2°35	9°38	1°33	11°16	18° 3	0°45	19°37	22°18	17°25	17°27	20°19	16°42	W27
T 28	10 56 28	16♓ 0'56	4♉50	4♓22	10♈52	2♓20	11♍ 8	18♈10	0♈49	19♉38	22°D18	17♐24	17♐24	20♌26	16♉46	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	15s12	21s25	1n44	21s52	0s22	10s 7	1s25	18s34	1s 5	7n32	1n30	3n53	2s23	0s52	0s42	21s46	0n28	18n30	4s50	23s11	23s 4	11n30	16s58	5n47	F 1
S 2	14 53	18 22	2 55	21 47	0 30	9 38	1 24	18 21	1 5	7 34	1 30	3 55	2 23	0 51	0 41	21 45	0 28	18 30	4 50	23 11	23 4	11 27	16 57	5 47	S 2
S 3	14 33	14 1	3 54	21 41	0 39	9 9	1 23	18 8	1 5	7 37	1 31	3 58	2 22	0 50	0 41	21 45	0 28	18 30	4 50	23 10	23 4	11 25	16 57	5 47	S 3
M 4	14 14	8 44	4 37	21 34	0 47	8 39	1 22	17 54	1 5	7 40	1 31	4 0	2 22	0 49	0 41	21 45	0 28	18 30	4 50	23 9	23 4	11 22	16 56	5 48	M 4
T 5	13 54	2 56	5 0	21 26	0 54	8 10	1 21	17 41	1 5	7 43	1 31	4 2	2 22	0 47	0 41	21 44	0 28	18 31	4 50	23 9	23 3	11 20	16 55	5 48	T 5
W 6	13 34	2n57	5 2	21 16	1 1	7 40	1 19	17 27	1 5	7 45	1 31	4 5	2 22	0 46	0 41	21 44	0 28	18 31	4 49	23 8	23 3	11 18	16 54	5 48	W 6
T 7	13 14	8 31	4 43	21 5	1 8	7 10	1 18	17 13	1 5	7 48	1 31	4 7	2 21	0 45	0 41	21 44	0 28	18 31	4 49	23 7	23 3	11 15	16 53	5 49	T 7
F 8	12 54	13 27	4 8	20 53	1 15	6 40	1 17	16 58	1 5	7 51	1 31	4 9	2 21	0 44	0 41	21 44	0 28	18 31	4 49	23 7	23 3	11 13	16 52	5 49	F 8
S 9	12 33	17 31	3 19	20 40	1 21	6 9	1 16	16 44	1 5	7 54	1 31	4 12	2 21	0 43	0 41	21 43	0 28	18 31	4 49	23 6	23 2	11 10	16 52	5 49	S 9
S 10	12 12	20 32	2 21	20 25	1 27	5 39	1 14	16 29	1 6	7 57	1 32	4 14	2 21	0 41	0 41	21 43	0 28	18 31	4 49	23 6	23 2	11 8	16 51	5 50	S 10
M11	11 51	22 24	1 18	20 8	1 33	5 8	1 13	16 15	1 6	8 0	1 32	4 17	2 21	0 40	0 41	21 43	0 28	18 31	4 49	23 6	23 2	11 5	16 50	5 50	M11
T 12	11 30	23 6	0 12	19 51	1 38	4 37	1 11	16 0	1 6	8 3	1 32	4 19	2 21	0 39	0 41	21 43	0 28	18 31	4 48	23 6	23 1	11 3	16 49	5 50	T 12
W13	11 9	22 40	0s52	19 32	1 43	4 6	1 9	15 45	1 6	8 6	1 32	4 22	2 20	0 38	0 41	21 42	0 28	18 32	4 48	23 6	23 1	11 0	16 48	5 51	W13
T 14	10 47	21 12	1 53	19 11	1 48	3 35	1 8	15 30	1 6	8 9	1 32	4 24	2 20	0 36	0 41	21 42	0 28	18 32	4 48	23 6	23 1	10 58	16 47	5 51	T 14
F 15	10 26	18 48	2 49	18 50	1 52	3 4	1 6	15 14	1 6	8 12	1 32	4 27	2 20	0 35	0 41	21 42	0 28	18 32	4 48	23 6	23 1	10 55	16 47	5 51	F 15
S 16	10 4	15 39	3 37	18 26	1 56	2 33	1 4	14 59	1 6	8 15	1 32	4 30	2 20	0 34	0 41	21 42	0 28	18 32	4 48	23 5	23 0	10 53	16 46	5 52	S 16
S 17	9 42	11 52	4 15	18 2	1 59	2 2	1 2	14 43	1 6	8 18	1 32	4 32	2 20	0 33	0 41	21 41	0 28	18 32	4 48	23 4	23 0	10 51	16 45	5 52	S 17
M18	9 20	7 38	4 42	17 36	2 2	1 30	1 0	14 27	1 6	8 21	1 33	4 35	2 20	0 31	0 41	21 41	0 28	18 32	4 47	23 3	23 0	10 48	16 44	5 52	M18
T 19	8 58	3 6	4 57	17 8	2 5	0 59	0 58	14 11	1 6	8 24	1 33	4 37	2 19	0 30	0 41	21 41	0 28	18 32	4 47	23 2	22 59	10 46	16 43	5 53	T 19
W20	8 35	1s34	4 59	16 39	2 7	0 27	0 56	13 55	1 6	8 27	1 33	4 40	2 19	0 29	0 41	21 41	0 28	18 33	4 47	23 1	22 59	10 43	16 42	5 53	W20
T 21	8 13	6 13	4 48	16 9	2 9	0n 4	0 54	13 39	1 6	8 30	1 33	4 43	2 19	0 27	0 41	21 40	0 28	18 33	4 47	23 0	22 59	10 41	16 41	5 54	T 21
F 22	7 50	10 40	4 23	15 37	2 10	0 36	0 52	13 23	1 6	8 33	1 33	4 45	2 19	0 26	0 41	21 40	0 28	18 33	4 47	22 58	22 59	10 38	16 41	5 54	F 22
S 23	7 27	14 44	3 45	15 4	2 11	1 7	0 50	13 6	1 6	8 36	1 33	4 48	2 19	0 25	0 41	21 40	0 28	18 33	4 47	22 58	22 58	10 36	16 40	5 54	S 23
S 24	7 5	18 13	2 56	14 30	2 12	1 38	0 48	12 50	1 5	8 39	1 33	4 51	2 19	0 23	0 41	21 40	0 28	18 33	4 47	22 57	22 58	10 33	16 39	5 55	S 24
M25	6 42	20 53	1 58	13 54	2 12	2 10	0 46	12 33	1 5	8 42	1 33	4 53	2 18	0 22	0 41	21 39	0 28	18 33	4 46	22 57	22 58	10 31	16 38	5 55	M25
T 26	6 19	22 31	0 52	13 16	2 11	2 41	0 43	12 16	1 5	8 45	1 33	4 56	2 18	0 21	0 41	21 39	0 28	18 34	4 46	22 57	22 57	10 28	16 37	5 56	T 26
W27	5 56	22 55	0n19	12 38	2 11	3 12	0 41	11 59	1 5	8 48	1 33	4 59	2 18	0 19	0 41	21 39	0 28	18 34	4 46	22 57	22 57	10 26	16 36	5 56	W27
T 28	5s32	21s57	1n31	11s57	2s 9	3n44	0s38	11s42	1s 5	8n51	1n33	5n 2	2s18	0s18	0s41	21s39	0n28	18n34	4s46	22s57	22s57	10n23	16s36	5n57	T 28

Julian Day Number = 2149892.5, Delta T = 14m19s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'29, Lahiri = 12°20'29 Julian Calendar 1 Feb. 1174 == Greg. Calendar 8 Feb. 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

MARCH 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 0 25	17♓ 0'32	19♉ 3	6♓10	12♈ 5	3♓ 7	11°R 0	18♈17	0♈52	19♉40	22♊18	17°R22	17♐21	20♌32	16♉49	F 1
S 2	11 4 21	18° 0'07	3♒39	7°59	13°19	3°54	10♍53	18°24	0°55	19°41	22°18	17♐17	17°17	20°39	16°53	S 2
S 3	11 8 18	18°59'40	18°35	9°49	14°33	4°41	10°45	18°31	0°59	19°43	22°19	17° 9	17°14	20°46	16°56	S 3
M 4	11 12 15	19°59'10	3♓43	11°41	15°46	5°28	10°37	18°38	1° 2	19°44	22°19	16°59	17°11	20°52	16°59	M 4
T 5	11 16 11	20°58'39	18°54	13°34	17° 0	6°15	10°30	18°45	1° 6	19°45	22°19	16°48	17° 8	20°59	17° 3	T 5
W 6	11 20 8	21°58'06	3♈56	15°28	18°13	7° 2	10°22	18°52	1° 9	19°47	22°19	16°37	17° 5	21° 6	17° 6	W 6
T 7	11 24 4	22°57'30	18°40	17°23	19°26	7°49	10°15	19° 0	1°12	19°48	22°19	16°26	17° 1	21°13	17° 9	T 7
F 8	11 28 1	23°56'52	2♉58	19°20	20°40	8°36	10° 7	19° 7	1°16	19°49	22°19	16°18	16°58	21°19	17°12	F 8
S 9	11 31 57	24°56'12	16°48	21°18	21°53	9°23	10° 0	19°14	1°19	19°50	22°19	16°13	16°55	21°26	17°15	S 9
S 10	11 35 54	25°55'30	0♊ 8	23°17	23° 6	10°10	9°52	19°21	1°23	19°52	22°20	16°11	16°52	21°33	17°18	S 10
M11	11 39 50	26°54'46	13° 1	25°17	24°20	10°57	9°45	19°29	1°26	19°53	22°20	16°D10	16°49	21°39	17°21	M11
T 12	11 43 47	27°53'59	25°32	27°18	25°33	11°44	9°38	19°36	1°30	19°54	22°20	16°R10	16°46	21°46	17°24	T 12
W13	11 47 44	28°53'10	7♋44	29°20	26°46	12°31	9°31	19°43	1°33	19°55	22°20	16°10	16°42	21°53	17°26	W13
T 14	11 51 40	29°52'18	19°44	1♈23	27°59	13°17	9°24	19°51	1°36	19°56	22°21	16° 8	16°39	22° 0	17°29	T 14
F 15	11 55 37	0♈51'24	1♌37	3°27	29°12	14° 4	9°17	19°58	1°40	19°57	22°21	16° 4	16°36	22° 6	17°32	F 15
S 16	11 59 33	1°50'28	13°27	5°31	0♉25	14°51	9°11	20° 6	1°43	19°58	22°21	15°57	16°33	22°13	17°34	S 16
S 17	12 3 30	2°49'29	25°17	7°35	1°38	15°37	9° 4	20°13	1°47	19°59	22°22	15°48	16°30	22°20	17°37	S 17
M18	12 7 26	3°48'28	7♍12	9°40	2°50	16°24	8°57	20°21	1°50	20° 0	22°22	15°37	16°27	22°26	17°39	M18
T 19	12 11 23	4°47'25	19°14	11°44	4° 3	17°11	8°51	20°28	1°54	20° 1	22°23	15°24	16°23	22°33	17°42	T 19
W20	12 15 19	5°46'20	1♎23	13°48	5°16	17°57	8°45	20°36	1°57	20° 2	22°23	15°11	16°20	22°40	17°44	W20
T 21	12 19 16	6°45'13	13°41	15°51	6°29	18°44	8°38	20°43	2° 0	20° 3	22°24	14°59	16°17	22°46	17°46	T 21
F 22	12 23 12	7°44'03	26° 8	17°53	7°41	19°30	8°32	20°51	2° 4	20° 4	22°24	14°49	16°14	22°53	17°48	F 22
S 23	12 27 9	8°42'52	8♏46	19°53	8°54	20°17	8°26	20°58	2° 7	20° 4	22°25	14°41	16°11	23° 0	17°50	S 23
S 24	12 31 6	9°41'39	21°34	21°52	10° 6	21° 3	8°21	21° 6	2°11	20° 5	22°25	14°36	16° 7	23° 7	17°52	S 24
M25	12 35 2	10°40'24	4♐34	23°48	11°19	21°50	8°15	21°14	2°14	20° 6	22°26	14°34	16° 4	23°13	17°54	M25
T 26	12 38 59	11°39'08	17°48	25°42	12°31	22°36	8° 9	21°21	2°17	20° 7	22°26	14°D34	16° 1	23°20	17°56	T 26
W27	12 42 55	12°37'50	1♑17	27°34	13°43	23°23	8° 4	21°29	2°21	20° 7	22°27	14°34	15°58	23°27	17°58	W27
T 28	12 46 52	13°36'30	15° 2	29°22	14°55	24° 9	7°59	21°37	2°24	20° 8	22°27	14°R35	15°55	23°33	17°59	T 28
F 29	12 50 48	14°35'08	29° 5	1♉ 6	16° 8	24°55	7°54	21°44	2°28	20° 8	22°28	14°34	15°52	23°40	18° 1	F 29
S 30	12 54 45	15°33'45	13♒26	2°47	17°20	25°42	7°49	21°52	2°31	20° 9	22°29	14°31	15°48	23°47	18° 2	S 30
S 31	12 58 41	16♈32'19	28♒ 1	4♉24	18♉32	26♓28	7♍44	22♈ 0	2♈34	20♉10	22♊29	14♐25	15♐45	23♌54	18♉ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s 9	19s34	2n39	11s16	2s 7	4n15	0s36	11s25	1s 5	8n54	1n33	5n 4	2s18	0s17	0s41	21s39	0n28	18n34	4s46	22s57	22s56	10n21	16s35	5n57
S 2	4 46	15 53	3 38	10 33	2 5	4 46	0 33	11 8	1 5	8 57	1 33	5 7	2 18	0 15	0 41	21 38	0 28	18 34	4 46	22 56	22 56	10 18	16 34	5 57
S 3	4 22	11 8	4 24	9 48	2 2	5 17	0 31	10 50	1 5	9 0	1 33	5 10	2 18	0 14	0 41	21 38	0 28	18 34	4 45	22 55	22 56	10 16	16 33	5 58
M 4	3 59	5 39	4 52	9 3	1 59	5 48	0 28	10 33	1 5	9 3	1 33	5 13	2 18	0 13	0 41	21 38	0 28	18 35	4 45	22 54	22 56	10 13	16 32	5 58
T 5	3 36	0n11	5 0	8 16	1 55	6 19	0 26	10 15	1 5	9 6	1 33	5 16	2 17	0 11	0 41	21 38	0 28	18 35	4 45	22 53	22 55	10 11	16 31	5 59
W 6	3 12	5 57	4 47	7 27	1 51	6 49	0 23	9 58	1 5	9 9	1 33	5 19	2 17	0 10	0 41	21 38	0 28	18 35	4 45	22 52	22 55	10 9	16 30	5 59
T 7	2 48	11 16	4 15	6 38	1 46	7 20	0 20	9 40	1 4	9 12	1 33	5 21	2 17	0 9	0 41	21 37	0 28	18 35	4 45	22 51	22 55	10 6	16 30	6 0
F 8	2 25	15 48	3 27	5 47	1 41	7 50	0 18	9 22	1 4	9 15	1 33	5 24	2 17	0 7	0 41	21 37	0 28	18 35	4 45	22 50	22 54	10 4	16 29	6 0
S 9	2 1	19 18	2 29	4 55	1 35	8 20	0 15	9 5	1 4	9 17	1 33	5 27	2 17	0 6	0 41	21 37	0 28	18 35	4 44	22 50	22 54	10 1	16 28	6 1
S 10	1 38	21 38	1 24	4 2	1 28	8 50	0 12	8 47	1 4	9 20	1 33	5 30	2 17	0 4	0 41	21 37	0 28	18 36	4 44	22 49	22 54	9 59	16 27	6 1
M11	1 14	22 44	0 17	3 7	1 21	9 20	0 9	8 29	1 4	9 23	1 33	5 33	2 17	0 3	0 41	21 37	0 28	18 36	4 44	22 49	22 53	9 56	16 26	6 2
T 12	0 50	22 39	0s49	2 12	1 14	9 49	0 6	8 11	1 4	9 25	1 33	5 36	2 17	0 2	0 41	21 37	0 28	18 36	4 44	22 49	22 53	9 54	16 25	6 2
W13	0 27	21 28	1 52	1 16	1 6	10 18	0 4	7 52	1 3	9 28	1 33	5 38	2 17	0 0	0 41	21 36	0 28	18 36	4 44	22 49	22 53	9 51	16 25	6 2
T 14	0 3	19 19	2 48	0 19	0 57	10 47	0 1	7 34	1 3	9 31	1 33	5 41	2 16	0n 1	0 41	21 36	0 28	18 36	4 44	22 49	22 52	9 49	16 24	6 3
F 15	0n21	16 23	3 36	0n39	0 48	11 16	0n 2	7 16	1 3	9 33	1 33	5 44	2 16	0 2	0 41	21 36	0 28	18 36	4 43	22 49	22 52	9 46	16 23	6 3
S 16	0 44	12 47	4 15	1 37	0 38	11 45	0 5	6 58	1 3	9 36	1 33	5 47	2 16	0 4	0 41	21 36	0 28	18 37	4 43	22 48	22 52	9 44	16 22	6 4
S 17	1 8	8 43	4 42	2 35	0 29	12 13	0 8	6 39	1 3	9 38	1 33	5 50	2 16	0 5	0 41	21 36	0 28	18 37	4 43	22 47	22 51	9 41	16 21	6 4
M18	1 31	4 17	4 58	3 34	0 18	12 41	0 11	6 21	1 3	9 40	1 32	5 53	2 16	0 7	0 41	21 36	0 28	18 37	4 43	22 46	22 51	9 39	16 21	6 5
T 19	1 55	0s19	5 0	4 33	0 8	13 9	0 14	6 2	1 2	9 43	1 32	5 56	2 16	0 8	0 41	21 36	0 28	18 37	4 43	22 45	22 51	9 36	16 20	6 5
W20	2 18	4 58	4 49	5 31	0n 3	13 36	0 17	5 44	1 2	9 45	1 32	5 59	2 16	0 9	0 41	21 35	0 28	18 37	4 43	22 43	22 50	9 34	16 19	6 6
T 21	2 42	9 29	4 25	6 29	0 14	14 3	0 20	5 25	1 2	9 47	1 32	6 2	2 16	0 11	0 41	21 35	0 28	18 38	4 42	22 42	22 50	9 31	16 18	6 6
F 22	3 5	13 40	3 47	7 27	0 26	14 30	0 23	5 7	1 2	9 50	1 32	6 5	2 16	0 12	0 41	21 35	0 28	18 38	4 42	22 41	22 50	9 29	16 18	6 7
S 23	3 28	17 18	2 58	8 23	0 37	14 56	0 26	4 48	1 1	9 52	1 32	6 7	2 16	0 13	0 41	21 35	0 28	18 38	4 42	22 40	22 49	9 26	16 17	6 7
S 24	3 51	20 9	1 59	9 18	0 49	15 22	0 29	4 30	1 1	9 54	1 32	6 10	2 16	0 15	0 41	21 35	0 28	18 38	4 42	22 39	22 49	9 24	16 16	6 8
M25	4 15	22 1	0 53	10 12	1 0	15 48	0 32	4 11	1 1	9 56	1 32	6 13	2 16	0 16	0 41	21 35	0 28	18 38	4 42	22 39	22 49	9 21	16 15	6 8
T 26	4 38	22 42	0n17	11 5	1 11	16 13	0 35	3 52	1 1	9 58	1 32	6 16	2 16	0 17	0 41	21 35	0 28	18 39	4 42	22 39	22 48	9 19	16 15	6 9
W27	5 1	22 4	1 28	11 55	1 22	16 38	0 38	3 34	1 0	10 0	1 31	6 19	2 16	0 19	0 41	21 35	0 28	18 39	4 42	22 39	22 48	9 16	16 14	6 9
T 28	5 24	20 7	2 35	12 44	1 32	17 2	0 41	3 15	1 0	10 1	1 31	6 22	2 16	0 20	0 41	21 34	0 28	18 39	4 41	22 39	22 48	9 14	16 13	6 10
F 29	5 46	16 56	3 34	13 31	1 43	17 26	0 44	2 56	1 0	10 3	1 31	6 25	2 15	0 21	0 41	21 34	0 28	18 39	4 41	22 39	22 47	9 11	16 12	6 11
S 30	6 9	12 41	4 22	14 15	1 52	17 50	0 47	2 38	0 59	10 5	1 31	6 28	2 15	0 23	0 41	21 34	0 28	18 39	4 41	22 39	22 47	9 9	16 12	6 11
S 31	6n32	7s38	4n53	14n57	2n 1	18n13	0n50	2s19	0s59	10n 7	1n31	6n31	2s15	0n24	0s41	21s34	0n28	18n39	4s41	22s38	22s47	9n 6	16s11	6n12

Julian Day Number = 2149920.5, Delta T = 14m19s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'32, Lahiri = 12°20'33 Julian Calendar 1 March 1174 == Greg. Calendar 8 March 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

APRIL 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 2 38	17♈30'53	12♓46	5♉57	19♉44	27♓14	7°R39	22♈ 7	2♈38	20♎10	22♊30	14°R18	15♐42	24♌ 0	18♎ 5	M 1
T 2	13 6 35	18°29'24	27°35	7°26	20°56	28° 0	7♍35	22°15	2°41	20°11	22°31	14♐10	15°39	24° 7	18° 6	T 2
W 3	13 10 31	19°27'53	12♈18	8°50	22° 7	28°46	7°30	22°23	2°44	20°11	22°32	14° 1	15°36	24°14	18° 8	W 3
T 4	13 14 28	20°26'21	26°48	10° 9	23°19	29°32	7°26	22°31	2°48	20°11	22°32	13°53	15°32	24°20	18° 9	T 4
F 5	13 18 24	21°24'47	10♉59	11°23	24°31	0♈18	7°22	22°38	2°51	20°12	22°33	13°47	15°29	24°27	18°10	F 5
S 6	13 22 21	22°23'11	24°45	12°33	25°43	1° 4	7°18	22°46	2°54	20°12	22°34	13°43	15°26	24°34	18°11	S 6
S 7	13 26 17	23°21'33	8♊ 6	13°38	26°54	1°50	7°15	22°54	2°58	20°12	22°35	13°D42	15°23	24°41	18°12	S 7
M 8	13 30 14	24°19'53	21° 2	14°38	28° 6	2°36	7°11	23° 1	3° 1	20°13	22°36	13°42	15°20	24°47	18°13	M 8
T 9	13 34 10	25°18'10	3♋37	15°32	29°17	3°22	7° 8	23° 9	3° 4	20°13	22°37	13°43	15°17	24°54	18°13	T 9
W10	13 38 7	26°16'26	15°53	16°21	0♊29	4° 8	7° 5	23°17	3° 7	20°13	22°37	13°44	15°13	25° 1	18°14	W10
T 11	13 42 4	27°14'40	27°56	17° 6	1°40	4°54	7° 2	23°25	3°11	20°13	22°38	13°R45	15°10	25° 7	18°15	T 11
F 12	13 46 0	28°12'51	9♌50	17°44	2°51	5°40	6°59	23°32	3°14	20°13	22°39	13°44	15° 7	25°14	18°15	F 12
S 13	13 49 57	29°11'00	21°42	18°18	4° 2	6°25	6°56	23°40	3°17	20°14	22°40	13°41	15° 4	25°21	18°16	S 13
S 14	13 53 53	0♉ 9'08	3♍35	18°46	5°13	7°11	6°54	23°48	3°20	20°14	22°41	13°37	15° 1	25°28	18°16	S 14
M15	13 57 50	1° 7'13	15°33	19° 8	6°24	7°56	6°52	23°55	3°23	20°14	22°42	13°31	14°58	25°34	18°16	M15
T 16	14 1 46	2° 5'17	27°40	19°25	7°35	8°42	6°50	24° 3	3°26	20°R14	22°43	13°24	14°54	25°41	18°16	T 16
W17	14 5 43	3° 3'19	9♎58	19°37	8°46	9°27	6°48	24°11	3°29	20°14	22°44	13°16	14°51	25°48	18°17	W17
T 18	14 9 39	4° 1'18	22°28	19°44	9°57	10°13	6°46	24°18	3°32	20°14	22°45	13° 9	14°48	25°54	18°R17	T 18
F 19	14 13 36	4°59'17	5♏11	19°R45	11° 7	10°58	6°45	24°26	3°36	20°13	22°46	13° 4	14°45	26° 1	18°17	F 19
S 20	14 17 32	5°57'13	18° 8	19°41	12°18	11°44	6°43	24°34	3°39	20°13	22°47	12°59	14°42	26° 8	18°16	S 20
S 21	14 21 29	6°55'09	1♐17	19°33	13°28	12°29	6°42	24°41	3°42	20°13	22°48	12°57	14°38	26°15	18°16	S 21
M22	14 25 26	7°53'02	14°38	19°20	14°38	13°14	6°41	24°49	3°45	20°13	22°49	12°D57	14°35	26°21	18°16	M22
T 23	14 29 22	8°50'55	28°11	19° 2	15°49	13°59	6°40	24°56	3°47	20°13	22°50	12°57	14°32	26°28	18°16	T 23
W24	14 33 19	9°48'46	11♑55	18°41	16°59	14°45	6°40	25° 4	3°50	20°13	22°52	12°59	14°29	26°35	18°15	W24
T 25	14 37 15	10°46'35	25°50	18°16	18° 9	15°30	6°39	25°11	3°53	20°12	22°53	13° 0	14°26	26°41	18°15	T 25
F 26	14 41 12	11°44'24	9♒54	17°48	19°19	16°15	6°39	25°19	3°56	20°12	22°54	13°R 1	14°23	26°48	18°14	F 26
S 27	14 45 8	12°42'11	24° 7	17°18	20°29	17° 0	6°D39	25°27	3°59	20°12	22°55	13° 0	14°19	26°55	18°14	S 27
S 28	14 49 5	13°39'58	8♓26	16°46	21°39	17°45	6°39	25°34	4° 2	20°11	22°56	12°59	14°16	27° 2	18°13	S 28
M29	14 53 2	14°37'43	22°49	16°12	22°48	18°30	6°39	25°41	4° 5	20°11	22°57	12°56	14°13	27° 8	18°12	M29
T 30	14 56 58	15♉35'26	7♈10	15♉37	23♊58	19♈15	6♍40	25♈49	4♈ 8	20♎10	22♊58	12♐52	14♐10	27♌15	18♎11	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n54	2s 6	5n 5	15n36	2n10	18n36	0n53	2s 0	0s59	10n 8	1n31	6n34	2s15	0n26	0s41	21s34	0n28	18n40	4s41	22s37	22s46	9n 4	16s10	6n12
T 2	7 17	3n34	4 57	16 13	2 18	18 58	0 56	1 42	0 59	10 10	1 31	6 36	2 15	0 27	0 41	21 34	0 28	18 40	4 41	22 36	22 46	9 1	16 10	6 13
W 3	7 39	9 0	4 29	16 47	2 25	19 20	0 59	1 23	0 58	10 11	1 30	6 39	2 15	0 28	0 41	21 34	0 28	18 40	4 40	22 35	22 46	8 59	16 9	6 13
T 4	8 1	13 51	3 44	17 19	2 31	19 41	1 2	1 4	0 58	10 13	1 30	6 42	2 15	0 29	0 41	21 34	0 28	18 40	4 40	22 34	22 45	8 56	16 8	6 14
F 5	8 23	17 49	2 46	17 47	2 36	20 2	1 5	0 45	0 58	10 14	1 30	6 45	2 15	0 31	0 41	21 34	0 28	18 40	4 40	22 33	22 45	8 54	16 8	6 14
S 6	8 45	20 40	1 40	18 14	2 41	20 22	1 7	0 27	0 57	10 15	1 30	6 48	2 15	0 32	0 41	21 34	0 28	18 41	4 40	22 33	22 45	8 51	16 7	6 15
S 7	9 7	22 15	0 30	18 37	2 44	20 41	1 10	0 8	0 57	10 17	1 30	6 51	2 15	0 33	0 41	21 34	0 28	18 41	4 40	22 33	22 44	8 49	16 6	6 15
M 8	9 28	22 35	0s40	18 57	2 47	21 1	1 13	0n11	0 57	10 18	1 30	6 54	2 15	0 35	0 41	21 34	0 28	18 41	4 40	22 33	22 44	8 46	16 6	6 16
T 9	9 50	21 45	1 45	19 15	2 49	21 19	1 16	0 29	0 56	10 19	1 29	6 57	2 15	0 36	0 41	21 34	0 28	18 41	4 40	22 33	22 44	8 44	16 5	6 16
W10	10 11	19 52	2 45	19 30	2 49	21 37	1 19	0 48	0 56	10 20	1 29	6 59	2 15	0 37	0 41	21 34	0 28	18 41	4 39	22 33	22 43	8 41	16 4	6 17
T 11	10 32	17 9	3 36	19 42	2 49	21 55	1 21	1 6	0 55	10 21	1 29	7 2	2 15	0 39	0 41	21 34	0 28	18 42	4 39	22 33	22 43	8 39	16 4	6 17
F 12	10 53	13 44	4 17	19 52	2 47	22 12	1 24	1 25	0 55	10 22	1 29	7 5	2 15	0 40	0 41	21 34	0 28	18 42	4 39	22 33	22 43	8 36	16 3	6 18
S 13	11 14	9 49	4 47	19 59	2 44	22 28	1 27	1 43	0 55	10 22	1 29	7 8	2 15	0 41	0 41	21 34	0 28	18 42	4 39	22 33	22 42	8 34	16 3	6 18
S 14	11 35	5 31	5 4	20 3	2 40	22 44	1 29	2 2	0 54	10 23	1 28	7 11	2 15	0 42	0 41	21 34	0 28	18 42	4 39	22 32	22 42	8 31	16 2	6 19
M15	11 55	0 59	5 9	20 4	2 35	22 59	1 32	2 20	0 54	10 24	1 28	7 14	2 15	0 44	0 41	21 34	0 28	18 42	4 39	22 31	22 42	8 29	16 1	6 20
T 16	12 15	3s38	4 59	20 3	2 29	23 13	1 34	2 39	0 54	10 24	1 28	7 16	2 15	0 45	0 41	21 34	0 28	18 43	4 39	22 30	22 41	8 26	16 1	6 20
W17	12 35	8 11	4 36	19 59	2 22	23 27	1 37	2 57	0 53	10 25	1 28	7 19	2 15	0 46	0 41	21 34	0 28	18 43	4 38	22 30	22 41	8 24	16 0	6 21
T 18	12 55	12 29	4 0	19 53	2 13	23 41	1 39	3 15	0 53	10 25	1 28	7 22	2 15	0 47	0 41	21 34	0 28	18 43	4 38	22 29	22 41	8 21	16 0	6 21
F 19	13 15	16 18	3 11	19 43	2 3	23 53	1 42	3 34	0 52	10 26	1 27	7 25	2 15	0 48	0 41	21 34	0 28	18 43	4 38	22 28	22 40	8 19	15 59	6 22
S 20	13 34	19 24	2 11	19 32	1 52	24 5	1 44	3 52	0 52	10 26	1 27	7 28	2 15	0 50	0 41	21 34	0 28	18 43	4 38	22 27	22 40	8 16	15 59	6 22
S 21	13 53	21 32	1 3	19 18	1 40	24 17	1 46	4 10	0 51	10 26	1 27	7 30	2 15	0 51	0 41	21 34	0 28	18 43	4 38	22 27	22 39	8 14	15 58	6 23
M22	14 12	22 30	0n 9	19 2	1 27	24 27	1 49	4 28	0 51	10 26	1 27	7 33	2 15	0 52	0 41	21 34	0 28	18 44	4 38	22 27	22 39	8 11	15 58	6 23
T 23	14 31	22 10	1 22	18 44	1 13	24 37	1 51	4 46	0 51	10 26	1 27	7 36	2 15	0 53	0 41	21 34	0 28	18 44	4 38	22 27	22 39	8 9	15 57	6 24
W24	14 49	20 30	2 32	18 23	0 58	24 47	1 53	5 4	0 50	10 27	1 26	7 39	2 15	0 54	0 41	21 34	0 28	18 44	4 38	22 27	22 38	8 6	15 57	6 24
T 25	15 7	17 35	3 33	18 1	0 42	24 55	1 55	5 22	0 50	10 26	1 26	7 41	2 16	0 55	0 41	21 34	0 28	18 44	4 37	22 28	22 38	8 4	15 56	6 25
F 26	15 25	13 38	4 22	17 38	0 26	25 3	1 57	5 40	0 49	10 26	1 26	7 44	2 16	0 57	0 41	21 34	0 28	18 44	4 37	22 28	22 38	8 1	15 56	6 25
S 27	15 43	8 53	4 56	17 13	0 9	25 11	1 59	5 57	0 49	10 26	1 26	7 47	2 16	0 58	0 41	21 34	0 28	18 45	4 37	22 28	22 37	7 59	15 56	6 26
S 28	16 1	3 37	5 12	16 47	0s 8	25 17	2 1	6 15	0 48	10 26	1 26	7 49	2 16	0 59	0 41	21 34	0 28	18 45	4 37	22 27	22 37	7 56	15 55	6 26
M29	16 18	1n51	5 8	16 21	0 25	25 23	2 2	6 33	0 48	10 26	1 25	7 52	2 16	1 0	0 41	21 34	0 28	18 45	4 37	22 27	22 36	7 54	15 55	6 27
T 30	16n35	7n13	4n45	15n54	0s43	25n28	2n 4	6n50	0s47	10n25	1n25	7n55	2s16	1n 1	0s41	21s34	0n28	18n45	4s37	22s27	22s36	7n51	15s54	6n27

Julian Day Number = 2149951.5, Delta T = 14m19s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'37, Lahiri = 12°20'37 Julian Calendar 1 Apr. 1174 == Greg. Calendar 8 Apr. 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

MAY 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 0 55	16♉33'09	21♈26	15°R 2	25♊ 7	19♈59	6♍40	25♈56	4♈10	20°R10	23♊ 0	12°R48	14♐ 7	27♌22	18°R10	W 1
T 2	15 4 51	17°30'51	5♉31	14♉28	26°17	20°44	6°41	26° 4	4°13	20♑ 9	23° 1	12♐45	14° 4	27°29	18♑ 9	T 2
F 3	15 8 48	18°28'31	19°21	13°54	27°26	21°29	6°42	26°11	4°16	20° 9	23° 2	12°42	14° 0	27°35	18° 8	F 3
S 4	15 12 44	19°26'10	2♊53	13°22	28°35	22°14	6°43	26°18	4°18	20° 8	23° 3	12°41	13°57	27°42	18° 7	S 4
S 5	15 16 41	20°23'48	16° 4	12°53	29°44	22°58	6°45	26°26	4°21	20° 8	23° 5	12°D40	13°54	27°49	18° 6	S 5
M 6	15 20 37	21°21'24	28°56	12°25	0♋53	23°43	6°46	26°33	4°24	20° 7	23° 6	12°41	13°51	27°55	18° 5	M 6
T 7	15 24 34	22°18'59	11♋29	12° 1	2° 2	24°27	6°48	26°40	4°26	20° 6	23° 7	12°43	13°48	28° 2	18° 3	T 7
W 8	15 28 31	23°16'33	23°46	11°40	3°11	25°12	6°50	26°47	4°29	20° 6	23° 9	12°44	13°44	28° 9	18° 2	W 8
T 9	15 32 27	24°14'05	5♌50	11°23	4°20	25°56	6°52	26°55	4°31	20° 5	23°10	12°45	13°41	28°16	18° 0	T 9
F 10	15 36 24	25°11'35	17°47	11° 9	5°28	26°40	6°54	27° 2	4°34	20° 4	23°11	12°46	13°38	28°22	17°59	F 10
S 11	15 40 20	26° 9'05	29°40	11° 0	6°36	27°25	6°57	27° 9	4°36	20° 4	23°12	12°R46	13°35	28°29	17°57	S 11
S 12	15 44 17	27° 6'33	11♍35	10°55	7°45	28° 9	6°59	27°16	4°38	20° 3	23°14	12°46	13°32	28°36	17°55	S 12
M13	15 48 13	28° 3'59	23°35	10°D54	8°53	28°53	7° 2	27°23	4°41	20° 2	23°15	12°44	13°29	28°42	17°54	M13
T 14	15 52 10	29° 1'25	5♎45	10°58	10° 1	29°37	7° 5	27°30	4°43	20° 1	23°17	12°43	13°25	28°49	17°52	T 14
W15	15 56 6	29°58'49	18° 8	11° 7	11° 9	0♉21	7° 8	27°37	4°45	20° 0	23°18	12°41	13°22	28°56	17°50	W15
T 16	16 0 3	0♊56'12	0♏47	11°19	12°16	1° 5	7°11	27°44	4°48	19°59	23°19	12°39	13°19	29° 3	17°48	T 16
F 17	16 3 59	1°53'34	13°43	11°37	13°24	1°49	7°15	27°51	4°50	19°58	23°21	12°38	13°16	29° 9	17°46	F 17
S 18	16 7 56	2°50'55	26°58	11°58	14°31	2°33	7°18	27°58	4°52	19°57	23°22	12°37	13°13	29°16	17°44	S 18
S 19	16 11 53	3°48'16	10♐29	12°25	15°38	3°17	7°22	28° 4	4°54	19°56	23°23	12°D37	13° 9	29°23	17°42	S 19
M20	16 15 49	4°45'35	24°16	12°55	16°45	4° 0	7°26	28°11	4°56	19°55	23°25	12°37	13° 6	29°29	17°40	M20
T 21	16 19 46	5°42'54	8♑15	13°30	17°52	4°44	7°30	28°18	4°58	19°54	23°26	12°37	13° 3	29°36	17°37	T 21
W22	16 23 42	6°40'12	22°24	14° 8	18°59	5°28	7°35	28°24	5° 0	19°53	23°28	12°38	13° 0	29°43	17°35	W22
T 23	16 27 39	7°37'30	6♒38	14°51	20° 6	6°11	7°39	28°31	5° 2	19°52	23°29	12°39	12°57	29°50	17°33	T 23
F 24	16 31 35	8°34'47	20°55	15°38	21°12	6°55	7°44	28°38	5° 4	19°51	23°30	12°39	12°54	29°56	17°30	F 24
S 25	16 35 32	9°32'03	5♓12	16°29	22°18	7°38	7°48	28°44	5° 6	19°50	23°32	12°R39	12°50	0♍ 3	17°28	S 25
S 26	16 39 29	10°29'20	19°25	17°23	23°24	8°22	7°53	28°51	5° 8	19°49	23°33	12°39	12°47	0°10	17°25	S 26
M27	16 43 25	11°26'36	3♈32	18°21	24°30	9° 5	7°58	28°57	5°10	19°48	23°35	12°39	12°44	0°16	17°22	M27
T 28	16 47 22	12°23'51	17°31	19°23	25°36	9°48	8° 3	29° 3	5°12	19°47	23°36	12°D39	12°41	0°23	17°20	T 28
W29	16 51 18	13°21'07	1♉20	20°29	26°41	10°32	8° 9	29°10	5°14	19°45	23°38	12°39	12°38	0°30	17°17	W29
T 30	16 55 15	14°18'22	14°57	21°38	27°47	11°15	8°14	29°16	5°15	19°44	23°39	12°39	12°35	0°37	17°14	T 30
F 31	16 59 11	15♊15'37	28♉21	22♉50	28♋52	11♉58	8♍20	29♈22	5♈17	19♑43	23♊41	12♐39	12♐31	0♍43	17♑12	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n52	12n10	4n 5	15n28	1s 0	25n33	2n 6	7n 8	0s47	10n25	1n25	7n57	2s16	1n 2	0s41	21s34	0n28	18n45	4s37	22s26	22s36	7n49	15s54	6n28
T 2	17 8	16 24	3 10	15 1	1 17	25 37	2 7	7 25	0 46	10 24	1 25	8 0	2 16	1 3	0 41	21 34	0 28	18 45	4 37	22 26	22 35	7 46	15 54	6 28
F 3	17 24	19 38	2 5	14 35	1 34	25 40	2 9	7 42	0 46	10 24	1 24	8 2	2 16	1 4	0 41	21 34	0 28	18 46	4 36	22 25	22 35	7 44	15 53	6 29
S 4	17 40	21 42	0 54	14 11	1 50	25 42	2 10	7 59	0 45	10 23	1 24	8 5	2 16	1 5	0 41	21 34	0 28	18 46	4 36	22 25	22 35	7 41	15 53	6 29
S 5	17 56	22 30	0s19	13 47	2 5	25 44	2 11	8 17	0 45	10 22	1 24	8 8	2 16	1 6	0 41	21 34	0 28	18 46	4 36	22 25	22 34	7 39	15 53	6 30
M 6	18 11	22 4	1 28	13 25	2 20	25 45	2 13	8 34	0 44	10 22	1 24	8 10	2 16	1 7	0 41	21 34	0 28	18 46	4 36	22 25	22 34	7 36	15 52	6 30
T 7	18 26	20 31	2 32	13 4	2 33	25 46	2 14	8 50	0 44	10 21	1 24	8 13	2 16	1 8	0 41	21 34	0 28	18 46	4 36	22 25	22 33	7 34	15 52	6 31
W 8	18 40	18 2	3 27	12 46	2 46	25 45	2 15	9 7	0 43	10 20	1 23	8 15	2 16	1 9	0 41	21 35	0 28	18 46	4 36	22 26	22 33	7 31	15 52	6 31
T 9	18 55	14 49	4 13	12 30	2 58	25 44	2 16	9 24	0 43	10 19	1 23	8 18	2 16	1 10	0 41	21 35	0 28	18 47	4 36	22 26	22 33	7 29	15 51	6 32
F 10	19 9	11 2	4 46	12 16	3 8	25 43	2 17	9 40	0 42	10 18	1 23	8 20	2 17	1 11	0 41	21 35	0 28	18 47	4 36	22 26	22 32	7 26	15 51	6 32
S 11	19 23	6 50	5 7	12 4	3 17	25 40	2 18	9 57	0 42	10 17	1 23	8 23	2 17	1 12	0 41	21 35	0 28	18 47	4 36	22 26	22 32	7 23	15 51	6 33
S 12	19 36	2 23	5 16	11 55	3 26	25 37	2 18	10 13	0 41	10 16	1 22	8 25	2 17	1 13	0 41	21 35	0 28	18 47	4 36	22 26	22 31	7 21	15 51	6 33
M13	19 49	2s11	5 10	11 48	3 33	25 33	2 19	10 30	0 41	10 14	1 22	8 28	2 17	1 14	0 41	21 35	0 28	18 47	4 35	22 26	22 31	7 18	15 50	6 34
T 14	20 2	6 44	4 51	11 43	3 39	25 29	2 19	10 46	0 40	10 13	1 22	8 30	2 17	1 15	0 42	21 35	0 28	18 47	4 35	22 25	22 31	7 16	15 50	6 34
W15	20 14	11 6	4 18	11 41	3 43	25 24	2 20	11 2	0 39	10 12	1 22	8 32	2 17	1 16	0 42	21 35	0 28	18 48	4 35	22 25	22 30	7 13	15 50	6 34
T 16	20 26	15 5	3 31	11 42	3 47	25 18	2 20	11 18	0 39	10 10	1 22	8 35	2 17	1 17	0 42	21 36	0 28	18 48	4 35	22 25	22 30	7 11	15 50	6 35
F 17	20 38	18 28	2 33	11 45	3 50	25 12	2 20	11 34	0 38	10 9	1 21	8 37	2 17	1 18	0 42	21 36	0 28	18 48	4 35	22 25	22 30	7 8	15 50	6 35
S 18	20 49	20 57	1 26	11 50	3 51	25 4	2 20	11 49	0 38	10 7	1 21	8 39	2 17	1 18	0 42	21 36	0 28	18 48	4 35	22 25	22 29	7 6	15 49	6 36
S 19	21 0	22 19	0 12	11 57	3 52	24 57	2 20	12 5	0 37	10 6	1 21	8 42	2 17	1 19	0 42	21 36	0 28	18 48	4 35	22 25	22 29	7 3	15 49	6 36
M20	21 11	22 21	1n 4	12 7	3 51	24 48	2 20	12 20	0 37	10 4	1 21	8 44	2 18	1 20	0 42	21 36	0 28	18 48	4 35	22 25	22 28	7 1	15 49	6 37
T 21	21 21	21 0	2 17	12 18	3 50	24 39	2 20	12 35	0 36	10 2	1 21	8 46	2 18	1 21	0 42	21 36	0 28	18 49	4 35	22 25	22 28	6 58	15 49	6 37
W22	21 31	18 20	3 23	12 32	3 48	24 30	2 20	12 51	0 35	10 0	1 20	8 49	2 18	1 22	0 42	21 36	0 28	18 49	4 35	22 25	22 28	6 56	15 49	6 37
T 23	21 41	14 33	4 17	12 47	3 45	24 20	2 19	13 6	0 35	9 59	1 20	8 51	2 18	1 22	0 42	21 37	0 28	18 49	4 35	22 25	22 27	6 53	15 49	6 38
F 24	21 50	9 56	4 54	13 4	3 41	24 9	2 18	13 21	0 34	9 57	1 20	8 53	2 18	1 23	0 42	21 37	0 28	18 49	4 34	22 25	22 27	6 51	15 49	6 38
S 25	21 59	4 46	5 14	13 23	3 36	23 57	2 18	13 35	0 34	9 55	1 20	8 55	2 18	1 24	0 42	21 37	0 28	18 49	4 34	22 25	22 26	6 48	15 49	6 38
S 26	22 7	0n37	5 15	13 44	3 31	23 45	2 17	13 50	0 33	9 53	1 20	8 57	2 18	1 25	0 42	21 37	0 28	18 49	4 34	22 25	22 26	6 46	15 49	6 39
M27	22 15	5 56	4 56	14 5	3 25	23 33	2 16	14 5	0 32	9 51	1 19	8 59	2 19	1 25	0 42	21 37	0 28	18 49	4 34	22 25	22 26	6 43	15 49	6 39
T 28	22 23	10 54	4 20	14 29	3 18	23 20	2 15	14 19	0 32	9 48	1 19	9 2	2 19	1 26	0 42	21 37	0 28	18 50	4 34	22 25	22 25	6 41	15 49	6 40
W29	22 30	15 16	3 30	14 53	3 10	23 6	2 14	14 33	0 31	9 46	1 19	9 4	2 19	1 27	0 42	21 38	0 28	18 50	4 34	22 25	22 25	6 38	15 49	6 40
T 30	22 37	18 45	2 28	15 19	3 2	22 52	2 12	14 47	0 31	9 44	1 19	9 6	2 19	1 27	0 42	21 38	0 28	18 50	4 34	22 25	22 24	6 36	15 49	6 40
F 31	22n44	21n 9	1n18	15n45	2s54	22n37	2n11	15n 1	0s30	9n42	1n18	9n 8	2s19	1n28	0s42	21s38	0n28	18n50	4s34	22s25	22s24	6n33	15s49	6n41

Julian Day Number = 2149981.5, Delta T = 14m18s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'41, Lahiri = 12°20'41 Julian Calendar 1 May 1174 == Greg. Calendar 8 May 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

JUNE 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 8	16♊12'51	11♊31	24♉ 6	29♋57	12♉41	8♍26	29♈28	5♈18	19°R42	23♊42	12°R39	12♐28	0♍50	17°R 9	S 1
S 2	17 7 4	17°10'05	24°26	25°25	1♌ 2	13°24	8°31	29°34	5°20	19♑40	23°44	12♐39	12°25	0°57	17♑ 6	S 2
M 3	17 11 1	18° 7'19	7♋ 6	26°48	2° 6	14° 7	8°37	29°40	5°22	19°39	23°45	12°39	12°22	1° 4	17° 3	M 3
T 4	17 14 58	19° 4'32	19°32	28°14	3°10	14°50	8°44	29°46	5°23	19°38	23°46	12°38	12°19	1°10	17° 0	T 4
W 5	17 18 54	20° 1'45	1♌45	29°43	4°14	15°33	8°50	29°52	5°25	19°36	23°48	12°37	12°15	1°17	16°57	W 5
T 6	17 22 51	20°58'57	13°48	1♊15	5°18	16°15	8°57	29°58	5°26	19°35	23°49	12°36	12°12	1°24	16°54	T 6
F 7	17 26 47	21°56'08	25°44	2°51	6°22	16°58	9° 3	0♉ 4	5°27	19°34	23°51	12°35	12° 9	1°30	16°51	F 7
S 8	17 30 44	22°53'19	7♍37	4°30	7°25	17°41	9°10	0° 9	5°29	19°32	23°52	12°34	12° 6	1°37	16°47	S 8
S 9	17 34 40	23°50'30	19°31	6°12	8°28	18°23	9°17	0°15	5°30	19°31	23°54	12°D34	12° 3	1°44	16°44	S 9
M10	17 38 37	24°47'40	1♎31	7°57	9°31	19° 6	9°24	0°21	5°31	19°29	23°55	12°34	12° 0	1°51	16°41	M10
T 11	17 42 33	25°44'50	13°40	9°45	10°34	19°48	9°31	0°26	5°32	19°28	23°57	12°35	11°56	1°57	16°38	T 11
W12	17 46 30	26°42'00	26° 4	11°36	11°36	20°30	9°38	0°32	5°33	19°26	23°58	12°36	11°53	2° 4	16°35	W12
T 13	17 50 27	27°39'09	8♏46	13°29	12°38	21°13	9°46	0°37	5°34	19°25	24° 0	12°37	11°50	2°11	16°31	T 13
F 14	17 54 23	28°36'18	21°50	15°25	13°40	21°55	9°53	0°42	5°35	19°24	24° 1	12°38	11°47	2°17	16°28	F 14
S 15	17 58 20	29°33'27	5♐16	17°24	14°41	22°37	10° 1	0°47	5°36	19°22	24° 3	12°39	11°44	2°24	16°25	S 15
S 16	18 2 16	0♋30'36	19° 4	19°25	15°42	23°19	10° 9	0°53	5°37	19°21	24° 4	12°R39	11°41	2°31	16°21	S 16
M17	18 6 13	1°27'44	3♑14	21°28	16°43	24° 1	10°16	0°58	5°38	19°19	24° 6	12°38	11°37	2°38	16°18	M17
T 18	18 10 9	2°24'53	17°39	23°33	17°43	24°43	10°24	1° 3	5°39	19°18	24° 7	12°36	11°34	2°44	16°14	T 18
W19	18 14 6	3°22'02	2♒16	25°39	18°43	25°25	10°33	1° 8	5°40	19°16	24° 9	12°34	11°31	2°51	16°11	W19
T 20	18 18 2	4°19'12	16°56	27°46	19°43	26° 7	10°41	1°13	5°41	19°14	24°10	12°31	11°28	2°58	16° 7	T 20
F 21	18 21 59	5°16'22	1♓34	29°54	20°43	26°49	10°49	1°17	5°41	19°13	24°11	12°28	11°25	3° 5	16° 4	F 21
S 22	18 25 56	6°13'32	16° 4	2♋ 3	21°42	27°30	10°58	1°22	5°42	19°11	24°13	12°26	11°21	3°11	16° 0	S 22
S 23	18 29 52	7°10'42	0♈21	4°13	22°40	28°12	11° 6	1°27	5°43	19°10	24°14	12°25	11°18	3°18	15°57	S 23
M24	18 33 49	8° 7'54	14°23	6°22	23°38	28°53	11°15	1°31	5°43	19° 8	24°16	12°D25	11°15	3°25	15°53	M24
T 25	18 37 45	9° 5'06	28° 9	8°31	24°36	29°35	11°24	1°36	5°44	19° 7	24°17	12°26	11°12	3°31	15°50	T 25
W26	18 41 42	10° 2'18	11♉39	10°40	25°34	0♊16	11°33	1°40	5°44	19° 5	24°19	12°27	11° 9	3°38	15°46	W26
T 27	18 45 38	10°59'32	24°54	12°48	26°31	0°58	11°42	1°44	5°44	19° 3	24°20	12°29	11° 6	3°45	15°43	T 27
F 28	18 49 35	11°56'46	7♊55	14°55	27°27	1°39	11°51	1°49	5°45	19° 2	24°22	12°R30	11° 2	3°52	15°39	F 28
S 29	18 53 31	12°54'00	20°43	17° 1	28°23	2°20	12° 0	1°53	5°45	19° 0	24°23	12°30	10°59	3°58	15°35	S 29
S 30	18 57 28	13♋51'15	3♋18	19♋ 5	29♌19	3♊ 2	12♍ 9	1♉57	5♈45	18♑58	24♊24	12♐28	10♐56	4♍ 5	15♑32	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	22n22	0n 6	16n13	2s45	22n22	2n 9	15n15	0s29	9n39	1n18	9n10	2s19	1n29	0s42	21s38	0n28	18n50	4s34	22s25	22s23	6n31	15s49	6n41
S 2	22 55	22 21	1s 5	16 41	2 35	22 6	2 8	15 28	0 29	9 37	1 18	9 12	2 19	1 29	0 42	21 38	0 28	18 50	4 34	22 25	22 23	6 28	15 49	6 41
M 3	23 1	21 10	2 11	17 10	2 25	21 49	2 6	15 42	0 28	9 34	1 18	9 14	2 20	1 30	0 42	21 38	0 28	18 50	4 34	22 25	22 23	6 26	15 49	6 42
T 4	23 6	18 59	3 10	17 39	2 15	21 33	2 4	15 55	0 27	9 32	1 18	9 16	2 20	1 30	0 42	21 39	0 28	18 51	4 34	22 25	22 22	6 23	15 49	6 42
W 5	23 10	15 58	4 0	18 9	2 4	21 15	2 2	16 8	0 27	9 29	1 18	9 18	2 20	1 31	0 42	21 39	0 28	18 51	4 34	22 25	22 22	6 21	15 49	6 42
T 6	23 14	12 20	4 37	18 39	1 53	20 58	2 0	16 21	0 26	9 27	1 17	9 19	2 20	1 31	0 42	21 39	0 28	18 51	4 34	22 24	22 21	6 18	15 49	6 42
F 7	23 18	8 15	5 3	19 9	1 42	20 39	1 57	16 34	0 25	9 24	1 17	9 21	2 20	1 32	0 42	21 39	0 28	18 51	4 33	22 24	22 21	6 16	15 49	6 43
S 8	23 21	3 52	5 15	19 39	1 30	20 21	1 55	16 47	0 25	9 21	1 17	9 23	2 20	1 32	0 42	21 39	0 28	18 51	4 33	22 24	22 21	6 13	15 49	6 43
S 9	23 24	0s39	5 14	20 9	1 19	20 2	1 52	16 59	0 24	9 19	1 17	9 25	2 21	1 33	0 42	21 40	0 28	18 51	4 33	22 24	22 20	6 10	15 49	6 43
M10	23 27	5 10	4 59	20 38	1 7	19 42	1 49	17 12	0 24	9 16	1 17	9 27	2 21	1 33	0 42	21 40	0 28	18 51	4 33	22 24	22 20	6 8	15 49	6 43
T 11	23 29	9 34	4 31	21 6	0 55	19 22	1 47	17 24	0 23	9 13	1 16	9 29	2 21	1 34	0 42	21 40	0 28	18 51	4 33	22 24	22 19	6 5	15 50	6 44
W12	23 30	13 40	3 50	21 34	0 43	19 2	1 44	17 36	0 22	9 10	1 16	9 30	2 21	1 34	0 42	21 40	0 28	18 51	4 33	22 24	22 19	6 3	15 50	6 44
T 13	23 31	17 16	2 56	22 0	0 31	18 42	1 40	17 48	0 21	9 7	1 16	9 32	2 21	1 35	0 42	21 41	0 28	18 52	4 33	22 25	22 18	6 0	15 50	6 44
F 14	23 32	20 7	1 52	22 26	0 19	18 21	1 37	17 59	0 21	9 4	1 16	9 34	2 21	1 35	0 42	21 41	0 28	18 52	4 33	22 25	22 18	5 58	15 50	6 44
S 15	23 33	21 56	0 41	22 49	0 8	17 59	1 34	18 11	0 20	9 1	1 16	9 35	2 22	1 35	0 42	21 41	0 28	18 52	4 33	22 25	22 18	5 55	15 50	6 45
S 16	23 33	22 30	0n35	23 11	0n 4	17 38	1 30	18 22	0 19	8 58	1 16	9 37	2 22	1 36	0 42	21 41	0 28	18 52	4 33	22 25	22 17	5 53	15 51	6 45
M17	23 32	21 39	1 51	23 31	0 15	17 16	1 26	18 33	0 19	8 55	1 15	9 38	2 22	1 36	0 42	21 41	0 28	18 52	4 33	22 25	22 17	5 50	15 51	6 45
T 18	23 31	19 23	3 1	23 49	0 26	16 54	1 22	18 44	0 18	8 51	1 15	9 40	2 22	1 36	0 43	21 42	0 28	18 52	4 33	22 24	22 16	5 48	15 51	6 45
W19	23 30	15 51	4 0	24 4	0 36	16 31	1 18	18 55	0 17	8 48	1 15	9 42	2 22	1 37	0 43	21 42	0 28	18 52	4 33	22 24	22 16	5 45	15 51	6 45
T 20	23 28	11 19	4 44	24 17	0 45	16 8	1 14	19 6	0 17	8 45	1 15	9 43	2 23	1 37	0 43	21 42	0 28	18 52	4 33	22 24	22 15	5 43	15 51	6 45
F 21	23 26	6 9	5 9	24 27	0 55	15 45	1 10	19 16	0 16	8 42	1 15	9 44	2 23	1 37	0 43	21 42	0 28	18 52	4 33	22 23	22 15	5 40	15 52	6 46
S 22	23 24	0 42	5 14	24 35	1 3	15 22	1 5	19 27	0 15	8 38	1 15	9 46	2 23	1 37	0 43	21 43	0 28	18 53	4 33	22 23	22 15	5 38	15 52	6 46
S 23	23 21	4n42	4 59	24 40	1 11	14 58	1 0	19 37	0 15	8 35	1 14	9 47	2 23	1 37	0 43	21 43	0 28	18 53	4 33	22 23	22 14	5 35	15 52	6 46
M24	23 18	9 47	4 27	24 41	1 18	14 34	0 56	19 47	0 14	8 31	1 14	9 49	2 23	1 38	0 43	21 43	0 28	18 53	4 33	22 23	22 14	5 33	15 53	6 46
T 25	23 14	14 17	3 40	24 41	1 24	14 10	0 51	19 56	0 13	8 28	1 14	9 50	2 24	1 38	0 43	21 43	0 28	18 53	4 33	22 23	22 13	5 30	15 53	6 46
W26	23 10	17 57	2 41	24 37	1 30	13 46	0 46	20 6	0 12	8 24	1 14	9 51	2 24	1 38	0 43	21 43	0 28	18 53	4 33	22 23	22 13	5 28	15 53	6 46
T 27	23 5	20 37	1 35	24 30	1 35	13 22	0 40	20 15	0 12	8 21	1 14	9 53	2 24	1 38	0 43	21 44	0 28	18 53	4 33	22 24	22 12	5 25	15 53	6 46
F 28	23 0	22 8	0 25	24 21	1 39	12 57	0 35	20 24	0 11	8 17	1 14	9 54	2 24	1 38	0 43	21 44	0 28	18 53	4 33	22 24	22 12	5 23	15 54	6 46
S 29	22 55	22 28	0s45	24 9	1 43	12 33	0 29	20 33	0 10	8 13	1 13	9 55	2 25	1 38	0 43	21 44	0 28	18 53	4 33	22 24	22 11	5 20	15 54	6 46
S 30	22n49	21n39	1s51	23n55	1n45	12n 8	0n23	20n42	0s 9	8n10	1n13	9n56	2s25	1n38	0s43	21s44	0n28	18n53	4s33	22s23	22s11	5n18	15s54	6n46

Julian Day Number = 2150012.5, Delta T = 14m18s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'45, Lahiri = 12°20'45 Julian Calendar 1 June 1174 == Greg. Calendar 8 June 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

JULY 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 1 25	14♋48'31	15♋43	21♋ 9	0♍14	3♊43	12♍19	2♉ 1	5♈46	18°R57	24♊26	12°R25	10♐53	4♍12	15°R28	M 1
T 2	19 5 21	15°45'47	27°58	23°11	1° 9	4°24	12°28	2° 5	5°46	18♑55	24°27	12♐20	10°50	4°19	15♑25	T 2
W 3	19 9 18	16°43'04	10♌ 5	25°11	2° 3	5° 5	12°38	2° 8	5°46	18°54	24°29	12°14	10°47	4°25	15°21	W 3
T 4	19 13 14	17°40'21	22° 4	27°10	2°56	5°46	12°47	2°12	5°46	18°52	24°30	12° 8	10°43	4°32	15°17	T 4
F 5	19 17 11	18°37'39	3♍58	29° 7	3°49	6°26	12°57	2°16	5°R46	18°50	24°31	12° 2	10°40	4°39	15°14	F 5
S 6	19 21 7	19°34'57	15°50	1♌ 3	4°41	7° 7	13° 7	2°19	5°46	18°49	24°33	11°57	10°37	4°45	15°10	S 6
S 7	19 25 4	20°32'16	27°42	2°57	5°33	7°48	13°17	2°23	5°46	18°47	24°34	11°53	10°34	4°52	15° 7	S 7
M 8	19 29 0	21°29'35	9♎40	4°49	6°24	8°29	13°27	2°26	5°46	18°45	24°35	11°50	10°31	4°59	15° 3	M 8
T 9	19 32 57	22°26'55	21°47	6°40	7°15	9° 9	13°37	2°29	5°46	18°44	24°37	11°D49	10°27	5° 6	15° 0	T 9
W10	19 36 54	23°24'15	4♏ 8	8°28	8° 5	9°50	13°47	2°32	5°45	18°42	24°38	11°50	10°24	5°12	14°56	W10
T 11	19 40 50	24°21'36	16°47	10°16	8°54	10°30	13°58	2°35	5°45	18°41	24°39	11°51	10°21	5°19	14°53	T 11
F 12	19 44 47	25°18'57	29°50	12° 1	9°42	11°10	14° 8	2°38	5°45	18°39	24°41	11°52	10°18	5°26	14°49	F 12
S 13	19 48 43	26°16'19	13♐19	13°45	10°29	11°51	14°19	2°41	5°44	18°37	24°42	11°R53	10°15	5°32	14°46	S 13
S 14	19 52 40	27°13'42	27°14	15°27	11°16	12°31	14°29	2°44	5°44	18°36	24°43	11°52	10°12	5°39	14°42	S 14
M15	19 56 36	28°11'06	11♑36	17° 7	12° 2	13°11	14°40	2°47	5°43	18°34	24°44	11°49	10° 8	5°46	14°39	M15
T 16	20 0 33	29° 8'30	26°21	18°46	12°47	13°51	14°51	2°49	5°43	18°33	24°46	11°44	10° 5	5°53	14°35	T 16
W17	20 4 30	0♌ 5'56	11♒20	20°23	13°31	14°31	15° 1	2°52	5°42	18°31	24°47	11°38	10° 2	5°59	14°32	W17
T 18	20 8 26	1° 3'22	26°25	21°59	14°14	15°11	15°12	2°54	5°42	18°29	24°48	11°30	9°59	6° 6	14°28	T 18
F 19	20 12 23	2° 0'50	11♓26	23°33	14°57	15°51	15°23	2°57	5°41	18°28	24°49	11°23	9°56	6°13	14°25	F 19
S 20	20 16 19	2°58'19	26°14	25° 5	15°38	16°30	15°34	2°59	5°40	18°26	24°51	11°17	9°53	6°20	14°22	S 20
S 21	20 20 16	3°55'49	10♈44	26°36	16°18	17°10	15°45	3° 1	5°40	18°25	24°52	11°13	9°49	6°26	14°19	S 21
M22	20 24 12	4°53'21	24°51	28° 5	16°57	17°50	15°56	3° 3	5°39	18°23	24°53	11°11	9°46	6°33	14°15	M22
T 23	20 28 9	5°50'54	8♉34	29°32	17°35	18°29	16° 8	3° 5	5°38	18°22	24°54	11°D10	9°43	6°40	14°12	T 23
W24	20 32 5	6°48'29	21°56	0♍57	18°12	19° 9	16°19	3° 6	5°37	18°20	24°55	11°11	9°40	6°46	14° 9	W24
T 25	20 36 2	7°46'05	4♊57	2°21	18°48	19°48	16°30	3° 8	5°36	18°19	24°56	11°R12	9°37	6°53	14° 6	T 25
F 26	20 39 59	8°43'43	17°42	3°43	19°22	20°27	16°42	3°10	5°35	18°17	24°58	11°12	9°33	7° 0	14° 3	F 26
S 27	20 43 55	9°41'23	0♋13	5° 4	19°56	21° 7	16°53	3°11	5°34	18°16	24°59	11°10	9°30	7° 7	14° 0	S 27
S 28	20 47 52	10°39'04	12°33	6°22	20°27	21°46	17° 5	3°12	5°33	18°14	25° 0	11° 6	9°27	7°13	13°57	S 28
M29	20 51 48	11°36'46	24°44	7°39	20°58	22°25	17°16	3°14	5°32	18°13	25° 1	10°59	9°24	7°20	13°54	M29
T 30	20 55 45	12°34'30	6♌49	8°54	21°27	23° 4	17°28	3°15	5°31	18°11	25° 2	10°50	9°21	7°27	13°51	T 30
W31	20 59 41	13♌32'15	18♌48	10♍ 6	21♍54	23♊43	17♍40	3♉16	5♈30	18♑10	25♊ 3	10♐39	9♐18	7♍34	13♑48	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n43	19n47	2s51	23n39	1n47	11n43	0n18	20n51	0s 9	8n 6	1n13	9n57	2s25	1n38	0s43	21s45	0n28	18n53	4s33	22s23	22s11	5n15	15s55	6n46
T 2	22 37	17 1	3 43	23 20	1 49	11 18	0 11	20 59	0 8	8 2	1 13	9 59	2 25	1 38	0 43	21 45	0 28	18 53	4 33	22 22	22 10	5 13	15 55	6 46
W 3	22 30	13 34	4 23	22 59	1 49	10 52	0 5	21 7	0 7	7 58	1 13	10 0	2 25	1 39	0 43	21 45	0 28	18 53	4 33	22 22	22 10	5 10	15 56	6 46
T 4	22 22	9 37	4 52	22 36	1 49	10 27	0s 1	21 15	0 7	7 54	1 13	10 1	2 26	1 39	0 43	21 45	0 28	18 53	4 33	22 21	22 9	5 8	15 56	6 46
F 5	22 15	5 20	5 7	22 12	1 48	10 2	0 8	21 23	0 6	7 51	1 13	10 2	2 26	1 38	0 43	21 46	0 28	18 54	4 33	22 20	22 9	5 5	15 56	6 46
S 6	22 7	0 52	5 9	21 45	1 47	9 36	0 15	21 31	0 5	7 47	1 12	10 3	2 26	1 38	0 43	21 46	0 28	18 54	4 33	22 19	22 8	5 3	15 57	6 46
S 7	21 58	3s39	4 59	21 17	1 45	9 11	0 21	21 38	0 4	7 43	1 12	10 4	2 26	1 38	0 43	21 46	0 27	18 54	4 33	22 19	22 8	5 0	15 57	6 46
M 8	21 49	8 3	4 35	20 48	1 43	8 46	0 29	21 45	0 4	7 39	1 12	10 5	2 27	1 38	0 43	21 46	0 27	18 54	4 33	22 18	22 7	4 58	15 58	6 46
T 9	21 40	12 12	3 58	20 18	1 40	8 20	0 36	21 53	0 3	7 35	1 12	10 5	2 27	1 38	0 43	21 47	0 27	18 54	4 33	22 18	22 7	4 55	15 58	6 46
W10	21 30	15 56	3 10	19 46	1 36	7 55	0 43	21 59	0 2	7 31	1 12	10 6	2 27	1 38	0 43	21 47	0 27	18 54	4 33	22 18	22 6	4 52	15 58	6 46
T 11	21 20	19 2	2 12	19 13	1 32	7 29	0 51	22 6	0 1	7 26	1 12	10 7	2 27	1 38	0 43	21 47	0 27	18 54	4 33	22 19	22 6	4 50	15 59	6 46
F 12	21 10	21 16	1 5	18 40	1 27	7 4	0 58	22 13	0 0	7 22	1 12	10 8	2 28	1 38	0 43	21 47	0 27	18 54	4 33	22 19	22 6	4 47	15 59	6 46
S 13	20 59	22 22	0n 8	18 5	1 23	6 39	1 6	22 19	0n 0	7 18	1 12	10 9	2 28	1 38	0 43	21 48	0 27	18 54	4 33	22 19	22 5	4 45	16 0	6 46
S 14	20 48	22 9	1 22	17 30	1 17	6 13	1 14	22 25	0 1	7 14	1 11	10 9	2 28	1 37	0 43	21 48	0 27	18 54	4 33	22 19	22 5	4 42	16 0	6 46
M15	20 37	20 29	2 33	16 54	1 11	5 48	1 23	22 31	0 2	7 10	1 11	10 10	2 28	1 37	0 43	21 48	0 27	18 54	4 33	22 18	22 4	4 40	16 1	6 46
T 16	20 25	17 26	3 36	16 18	1 5	5 23	1 31	22 36	0 3	7 5	1 11	10 11	2 29	1 37	0 43	21 48	0 27	18 54	4 33	22 18	22 4	4 37	16 1	6 46
W17	20 13	13 12	4 25	15 41	0 59	4 58	1 40	22 42	0 3	7 1	1 11	10 11	2 29	1 37	0 43	21 48	0 27	18 54	4 33	22 17	22 3	4 35	16 2	6 46
T 18	20 1	8 7	4 56	15 4	0 52	4 34	1 48	22 47	0 4	6 57	1 11	10 12	2 29	1 36	0 43	21 49	0 27	18 54	4 33	22 16	22 3	4 32	16 2	6 46
F 19	19 48	2 35	5 7	14 26	0 45	4 9	1 57	22 52	0 5	6 52	1 11	10 12	2 29	1 36	0 44	21 49	0 27	18 54	4 33	22 15	22 2	4 30	16 3	6 45
S 20	19 35	3n 2	4 56	13 48	0 37	3 45	2 6	22 57	0 6	6 48	1 11	10 13	2 30	1 36	0 44	21 49	0 27	18 54	4 33	22 14	22 2	4 27	16 3	6 45
S 21	19 21	8 22	4 27	13 10	0 29	3 21	2 16	23 2	0 7	6 44	1 11	10 13	2 30	1 36	0 44	21 49	0 27	18 54	4 33	22 13	22 1	4 25	16 4	6 45
M22	19 8	13 6	3 42	12 32	0 21	2 57	2 25	23 7	0 7	6 39	1 11	10 14	2 30	1 35	0 44	21 50	0 27	18 54	4 33	22 13	22 1	4 22	16 4	6 45
T 23	18 54	17 2	2 46	11 53	0 13	2 33	2 35	23 11	0 8	6 35	1 10	10 14	2 30	1 35	0 44	21 50	0 27	18 54	4 33	22 13	22 0	4 20	16 5	6 45
W24	18 39	19 58	1 41	11 15	0 4	2 10	2 44	23 15	0 9	6 30	1 10	10 15	2 31	1 34	0 44	21 50	0 27	18 54	4 33	22 13	22 0	4 17	16 5	6 45
T 25	18 24	21 46	0 33	10 37	0s 4	1 47	2 54	23 19	0 10	6 26	1 10	10 15	2 31	1 34	0 44	21 50	0 27	18 54	4 33	22 13	21 59	4 15	16 6	6 44
F 26	18 9	22 24	0s35	9 59	0 13	1 24	3 4	23 23	0 11	6 21	1 10	10 15	2 31	1 34	0 44	21 50	0 27	18 54	4 33	22 13	21 59	4 12	16 6	6 44
S 27	17 54	21 53	1 40	9 21	0 22	1 2	3 15	23 26	0 11	6 17	1 10	10 16	2 31	1 33	0 44	21 51	0 27	18 54	4 33	22 13	21 58	4 10	16 7	6 44
S 28	17 39	20 18	2 39	8 43	0 32	0 39	3 25	23 30	0 12	6 12	1 10	10 16	2 32	1 33	0 44	21 51	0 27	18 54	4 33	22 12	21 58	4 7	16 7	6 44
M29	17 23	17 49	3 30	8 6	0 41	0 18	3 35	23 33	0 13	6 7	1 10	10 16	2 32	1 32	0 44	21 51	0 27	18 55	4 33	22 11	21 57	4 5	16 8	6 44
T 30	17 6	14 36	4 12	7 29	0 51	0s 3	3 46	23 36	0 14	6 3	1 10	10 16	2 32	1 32	0 44	21 51	0 27	18 55	4 33	22 10	21 57	4 2	16 8	6 43
W31	16n50	10n48	4s41	6n53	1s 0	0s24	3s57	23n38	0n15	5n58	1n10	10n16	2s32	1n31	0s44	21s52	0n27	18n55	4s33	22s 9	21s57	4n 0	16s 9	6n43

Julian Day Number = 2150042.5, Delta T = 14m18s
Ecliptic obliquity = 23°32'43, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'49, Lahiri = 12°20'50 Julian Calendar 1 July 1174 == Greg. Calendar 8 July 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

AUGUST 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 3 38	14♌30'01	0♍43	11♍17	22♍20	24♊22	17♍51	3♉17	5°R28	18°R 8	25♊ 4	10°R27	9♐14	7♍40	13°R45	T 1
F 2	21 7 34	15°27'49	12°35	12°26	22°45	25° 1	18° 3	3°18	5♈27	18♋ 7	25° 5	10♐15	9°11	7°47	13♋42	F 2
S 3	21 11 31	16°25'38	24°26	13°32	23° 7	25°39	18°15	3°18	5°26	18° 6	25° 6	10° 4	9° 8	7°54	13°39	S 3
S 4	21 15 27	17°23'29	6♎18	14°36	23°28	26°18	18°27	3°19	5°24	18° 4	25° 7	9°55	9° 5	8° 0	13°37	S 4
M 5	21 19 24	18°21'21	18°15	15°37	23°47	26°57	18°39	3°20	5°23	18° 3	25° 8	9°49	9° 2	8° 7	13°34	M 5
T 6	21 23 21	19°19'14	0♏21	16°36	24° 4	27°35	18°51	3°20	5°22	18° 2	25° 9	9°45	8°59	8°14	13°31	T 6
W 7	21 27 17	20°17'08	12°39	17°33	24°20	28°13	19° 3	3°20	5°20	18° 0	25°10	9°43	8°55	8°21	13°29	W 7
T 8	21 31 14	21°15'04	25°14	18°26	24°33	28°52	19°15	3°20	5°19	17°59	25°11	9°D43	8°52	8°27	13°26	T 8
F 9	21 35 10	22°13'01	8♐11	19°16	24°44	29°30	19°28	3°R21	5°17	17°58	25°12	9°R43	8°49	8°34	13°24	F 9
S 10	21 39 7	23°11'00	21°34	20° 3	24°53	0♋ 8	19°40	3°20	5°15	17°56	25°13	9°43	8°46	8°41	13°21	S 10
S 11	21 43 3	24° 9'00	5♋27	20°47	25° 0	0°46	19°52	3°20	5°14	17°55	25°13	9°41	8°43	8°47	13°19	S 11
M12	21 47 0	25° 7'01	19°49	21°27	25° 5	1°24	20° 4	3°20	5°12	17°54	25°14	9°36	8°39	8°54	13°17	M12
T 13	21 50 57	26° 5'04	4♒37	22° 3	25° 7	2° 2	20°17	3°20	5°10	17°53	25°15	9°29	8°36	9° 1	13°15	T 13
W14	21 54 53	27° 3'08	19°45	22°34	25°R 8	2°40	20°29	3°19	5° 9	17°52	25°16	9°19	8°33	9° 8	13°12	W14
T 15	21 58 50	28° 1'14	5♓ 4	23° 2	25° 5	3°17	20°41	3°19	5° 7	17°50	25°17	9° 9	8°30	9°14	13°10	T 15
F 16	22 2 46	28°59'22	20°22	23°25	25° 1	3°55	20°54	3°18	5° 5	17°49	25°17	8°58	8°27	9°21	13° 8	F 16
S 17	22 6 43	29°57'31	5♈28	23°42	24°54	4°33	21° 6	3°17	5° 3	17°48	25°18	8°49	8°24	9°28	13° 6	S 17
S 18	22 10 39	0♍55'43	20°12	23°55	24°45	5°10	21°19	3°16	5° 1	17°47	25°19	8°42	8°20	9°35	13° 4	S 18
M19	22 14 36	1°53'57	4♉30	24° 1	24°33	5°47	21°32	3°15	5° 0	17°46	25°20	8°38	8°17	9°41	13° 3	M19
T 20	22 18 32	2°52'12	18°20	24°R 2	24°19	6°25	21°44	3°14	4°58	17°45	25°20	8°36	8°14	9°48	13° 1	T 20
W21	22 22 29	3°50'30	1♊42	23°57	24° 2	7° 2	21°57	3°13	4°56	17°44	25°21	8°35	8°11	9°55	12°59	W21
T 22	22 26 25	4°48'50	14°40	23°45	23°44	7°39	22° 9	3°12	4°54	17°43	25°22	8°35	8° 8	10° 1	12°57	T 22
F 23	22 30 22	5°47'13	27°18	23°27	23°23	8°16	22°22	3°10	4°52	17°42	25°22	8°34	8° 5	10° 8	12°56	F 23
S 24	22 34 19	6°45'37	9♋40	23° 2	23° 0	8°53	22°35	3° 9	4°50	17°41	25°23	8°32	8° 1	10°15	12°54	S 24
S 25	22 38 15	7°44'03	21°51	22°31	22°35	9°30	22°48	3° 7	4°48	17°40	25°23	8°26	7°58	10°22	12°53	S 25
M26	22 42 12	8°42'32	3♌53	21°52	22° 8	10° 6	23° 0	3° 6	4°45	17°39	25°24	8°18	7°55	10°28	12°52	M26
T 27	22 46 8	9°41'03	15°50	21° 8	21°39	10°43	23°13	3° 4	4°43	17°38	25°25	8° 7	7°52	10°35	12°50	T 27
W28	22 50 5	10°39'35	27°44	20°18	21° 8	11°20	23°26	3° 2	4°41	17°38	25°25	7°54	7°49	10°42	12°49	W28
T 29	22 54 1	11°38'10	9♍36	19°23	20°36	11°56	23°39	3° 0	4°39	17°37	25°26	7°39	7°45	10°49	12°48	T 29
F 30	22 57 58	12°36'46	21°28	18°24	20° 3	12°32	23°52	2°58	4°37	17°36	25°26	7°25	7°42	10°55	12°47	F 30
S 31	23 1 54	13♍35'25	3♎21	17♍21	19♍28	13♋ 9	24♍ 5	2♉56	4♈35	17♋35	25♊26	7♐12	7♐39	11♍ 2	12♋46	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n33	6n37	4s58	6n17	1s10	0s44	4s 8	23n41	0n16	5n53	1n10	10n16	2s33	1n31	0s44	21s52	0n27	18n55	4s33	22s 7	21s56	3n57	16s 9	6n43
F 2	16 16	2 13	5 2	5 42	1 20	1 4	4 19	23 43	0 16	5 49	1 10	10 16	2 33	1 30	0 44	21 52	0 27	18 55	4 33	22 5	21 56	3 55	16 10	6 43
S 3	15 59	2s15	4 53	5 7	1 30	1 23	4 30	23 46	0 17	5 44	1 10	10 16	2 33	1 30	0 44	21 52	0 27	18 55	4 33	22 3	21 55	3 52	16 10	6 42
S 4	15 41	6 40	4 31	4 33	1 40	1 42	4 41	23 48	0 18	5 39	1 9	10 16	2 33	1 29	0 44	21 52	0 27	18 55	4 33	22 2	21 55	3 50	16 11	6 42
M 5	15 24	10 51	3 58	4 0	1 50	1 59	4 52	23 50	0 19	5 34	1 9	10 16	2 34	1 29	0 44	21 53	0 27	18 55	4 33	22 1	21 54	3 47	16 11	6 42
T 6	15 6	14 39	3 13	3 28	2 0	2 17	5 4	23 51	0 20	5 30	1 9	10 16	2 34	1 28	0 44	21 53	0 27	18 55	4 33	22 1	21 54	3 45	16 12	6 41
W 7	14 47	17 54	2 18	2 57	2 10	2 33	5 15	23 53	0 21	5 25	1 9	10 16	2 34	1 27	0 44	21 53	0 27	18 55	4 33	22 0	21 53	3 42	16 12	6 41
T 8	14 29	20 23	1 16	2 27	2 20	2 49	5 26	23 54	0 22	5 20	1 9	10 16	2 34	1 27	0 44	21 53	0 27	18 55	4 33	22 0	21 53	3 40	16 13	6 41
F 9	14 10	21 54	0 8	1 58	2 30	3 4	5 38	23 55	0 22	5 15	1 9	10 16	2 35	1 26	0 44	21 53	0 27	18 55	4 33	22 0	21 52	3 37	16 14	6 40
S 10	13 51	22 14	1n 2	1 30	2 40	3 18	5 49	23 56	0 23	5 10	1 9	10 15	2 35	1 25	0 44	21 54	0 27	18 55	4 33	22 0	21 52	3 35	16 14	6 40
S 11	13 32	21 14	2 12	1 4	2 49	3 31	6 0	23 57	0 24	5 5	1 9	10 15	2 35	1 25	0 44	21 54	0 27	18 55	4 33	22 0	21 51	3 32	16 15	6 40
M12	13 12	18 51	3 15	0 40	2 59	3 43	6 12	23 57	0 25	5 0	1 9	10 15	2 35	1 24	0 44	21 54	0 27	18 55	4 33	21 59	21 51	3 30	16 15	6 39
T 13	12 53	15 11	4 7	0 17	3 8	3 55	6 23	23 58	0 26	4 55	1 9	10 14	2 36	1 23	0 44	21 54	0 27	18 55	4 33	21 58	21 50	3 27	16 16	6 39
W14	12 33	10 28	4 44	0s 3	3 17	4 5	6 34	23 58	0 27	4 50	1 9	10 14	2 36	1 23	0 44	21 54	0 27	18 55	4 33	21 57	21 50	3 25	16 16	6 39
T 15	12 13	5 2	5 0	0 22	3 25	4 14	6 45	23 58	0 28	4 45	1 9	10 14	2 36	1 22	0 44	21 54	0 27	18 55	4 33	21 55	21 49	3 22	16 17	6 38
F 16	11 53	0n41	4 55	0 38	3 34	4 22	6 56	23 58	0 29	4 40	1 9	10 13	2 36	1 21	0 44	21 55	0 27	18 55	4 33	21 54	21 49	3 20	16 17	6 38
S 17	11 32	6 18	4 29	0 52	3 41	4 29	7 6	23 57	0 29	4 35	1 9	10 13	2 37	1 20	0 44	21 55	0 27	18 54	4 33	21 52	21 48	3 17	16 18	6 38
S 18	11 12	11 25	3 46	1 4	3 48	4 35	7 17	23 57	0 30	4 30	1 9	10 12	2 37	1 20	0 44	21 55	0 27	18 54	4 33	21 51	21 48	3 15	16 18	6 37
M19	10 51	15 44	2 50	1 12	3 54	4 39	7 26	23 56	0 31	4 25	1 9	10 12	2 37	1 19	0 44	21 55	0 27	18 54	4 33	21 50	21 47	3 12	16 19	6 37
T 20	10 30	19 2	1 45	1 17	4 0	4 42	7 36	23 55	0 32	4 20	1 9	10 11	2 37	1 18	0 44	21 55	0 27	18 54	4 34	21 50	21 47	3 10	16 20	6 37
W21	10 9	21 11	0 36	1 20	4 5	4 44	7 45	23 54	0 33	4 15	1 8	10 10	2 38	1 17	0 44	21 55	0 27	18 54	4 34	21 50	21 46	3 7	16 20	6 36
T 22	9 47	22 8	0s32	1 18	4 8	4 45	7 54	23 53	0 34	4 10	1 8	10 10	2 38	1 17	0 44	21 56	0 27	18 54	4 34	21 50	21 46	3 5	16 21	6 36
F 23	9 26	21 54	1 37	1 13	4 10	4 44	8 2	23 52	0 35	4 5	1 8	10 9	2 38	1 16	0 44	21 56	0 27	18 54	4 34	21 50	21 45	3 2	16 21	6 35
S 24	9 4	20 36	2 36	1 4	4 11	4 42	8 10	23 50	0 36	4 0	1 8	10 8	2 38	1 15	0 44	21 56	0 27	18 54	4 34	21 49	21 45	3 0	16 22	6 35
S 25	8 42	18 21	3 27	0 51	4 11	4 38	8 16	23 49	0 37	3 55	1 8	10 7	2 39	1 14	0 44	21 56	0 27	18 54	4 34	21 49	21 44	2 57	16 22	6 35
M26	8 20	15 21	4 8	0 34	4 9	4 33	8 23	23 47	0 38	3 50	1 8	10 7	2 39	1 13	0 44	21 56	0 27	18 54	4 34	21 47	21 44	2 55	16 23	6 34
T 27	7 58	11 45	4 37	0 13	4 5	4 27	8 28	23 45	0 39	3 45	1 8	10 6	2 39	1 12	0 44	21 56	0 27	18 54	4 34	21 46	21 43	2 52	16 23	6 34
W28	7 36	7 42	4 55	0n11	3 59	4 20	8 33	23 43	0 39	3 40	1 8	10 5	2 39	1 12	0 44	21 56	0 27	18 54	4 34	21 43	21 43	2 50	16 24	6 33
T 29	7 14	3 23	4 59	0 40	3 52	4 11	8 37	23 41	0 40	3 35	1 8	10 4	2 39	1 11	0 44	21 57	0 27	18 54	4 34	21 41	21 42	2 47	16 24	6 33
F 30	6 51	1s 3	4 51	1 12	3 42	4 1	8 40	23 38	0 41	3 30	1 8	10 3	2 40	1 10	0 44	21 57	0 26	18 54	4 34	21 39	21 42	2 45	16 25	6 33
S 31	6n29	5s27	4s29	1n47	3s31	3s49	8s42	23n36	0n42	3n24	1n 8	10n 2	2s40	1n 9	0s44	21s57	0n26	18n54	4s34	21s37	21s41	2n42	16s25	6n32

Julian Day Number = 2150073.5, Delta T = 14m18s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'53, Lahiri = 12°20'54 Julian Calendar 1 Aug. 1174 == Greg. Calendar 8 Aug. 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

SEPTEMBER 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 5 51	14♍34'05	15♎17	16°R17	18°R53	13♋45	24♍17	2°R53	4°R32	17°R35	25♊27	7°R 1	7♐36	11♍ 9	12°R45	S 1
M 2	23 9 48	15°32'47	27°18	15♍13	18♍17	14°21	24°30	2♉51	4♈30	17♉34	25°27	6♐53	7°33	11°15	12♉44	M 2
T 3	23 13 44	16°31'31	9♏27	14°10	17°40	14°57	24°43	2°48	4°28	17°33	25°28	6°47	7°30	11°22	12°43	T 3
W 4	23 17 41	17°30'17	21°46	13°10	17° 3	15°32	24°56	2°46	4°26	17°33	25°28	6°45	7°26	11°29	12°43	W 4
T 5	23 21 37	18°29'05	4♐21	12°14	16°26	16° 8	25° 9	2°43	4°23	17°32	25°28	6°D44	7°23	11°36	12°42	T 5
F 6	23 25 34	19°27'55	17°14	11°24	15°50	16°44	25°22	2°40	4°21	17°31	25°29	6°R44	7°20	11°42	12°41	F 6
S 7	23 29 30	20°26'46	0♑31	10°42	15°14	17°19	25°35	2°37	4°19	17°31	25°29	6°44	7°17	11°49	12°41	S 7
S 8	23 33 27	21°25'39	14°14	10° 8	14°38	17°55	25°48	2°34	4°16	17°30	25°29	6°42	7°14	11°56	12°40	S 8
M 9	23 37 23	22°24'34	28°25	9°43	14° 4	18°30	26° 1	2°31	4°14	17°30	25°30	6°38	7°10	12° 2	12°40	M 9
T 10	23 41 20	23°23'30	13♒ 4	9°28	13°30	19° 5	26°14	2°28	4°12	17°30	25°30	6°31	7° 7	12° 9	12°40	T 10
W11	23 45 17	24°22'28	28° 5	9°D23	12°58	19°40	26°27	2°25	4° 9	17°29	25°30	6°22	7° 4	12°16	12°40	W11
T 12	23 49 13	25°21'29	13♓20	9°29	12°28	20°15	26°40	2°22	4° 7	17°29	25°30	6°12	7° 1	12°23	12°40	T 12
F 13	23 53 10	26°20'31	28°39	9°44	11°59	20°50	26°53	2°18	4° 4	17°28	25°30	6° 2	6°58	12°29	12°D40	F 13
S 14	23 57 6	27°19'35	13♈51	10°10	11°33	21°25	27° 6	2°15	4° 2	17°28	25°30	5°53	6°55	12°36	12°40	S 14
S 15	0 1 3	28°18'42	28°44	10°46	11° 8	21°59	27°19	2°11	4° 0	17°28	25°31	5°46	6°51	12°43	12°40	S 15
M16	0 4 59	29°17'50	13♉11	11°30	10°45	22°34	27°32	2° 8	3°57	17°28	25°31	5°42	6°48	12°50	12°40	M16
T 17	0 8 56	0♎17'01	27°10	12°22	10°25	23° 8	27°45	2° 4	3°55	17°27	25°31	5°40	6°45	12°56	12°40	T 17
W18	0 12 52	1°16'15	10♊40	13°22	10° 7	23°42	27°58	2° 0	3°52	17°27	25°31	5°D40	6°42	13° 3	12°41	W18
T 19	0 16 49	2°15'31	23°42	14°29	9°51	24°16	28°11	1°56	3°50	17°27	25°R31	5°40	6°39	13°10	12°41	T 19
F 20	0 20 45	3°14'49	6♋22	15°42	9°38	24°50	28°24	1°52	3°47	17°27	25°31	5°R40	6°36	13°16	12°42	F 20
S 21	0 24 42	4°14'10	18°43	17° 1	9°27	25°24	28°37	1°48	3°45	17°27	25°31	5°39	6°32	13°23	12°42	S 21
S 22	0 28 39	5°13'32	0♌51	18°24	9°19	25°58	28°50	1°44	3°42	17°27	25°31	5°36	6°29	13°30	12°43	S 22
M23	0 32 35	6°12'58	12°49	19°51	9°13	26°32	29° 3	1°40	3°40	17°D27	25°31	5°30	6°26	13°37	12°44	M23
T 24	0 36 32	7°12'25	24°43	21°21	9°10	27° 5	29°16	1°36	3°38	17°27	25°31	5°22	6°23	13°43	12°44	T 24
W25	0 40 28	8°11'55	6♍34	22°54	9°D 9	27°38	29°29	1°32	3°35	17°27	25°30	5°12	6°20	13°50	12°45	W25
T 26	0 44 25	9°11'27	18°26	24°30	9°10	28°12	29°42	1°28	3°33	17°27	25°30	5° 1	6°16	13°57	12°46	T 26
F 27	0 48 21	10°11'01	0♎21	26° 7	9°14	28°45	29°55	1°23	3°30	17°27	25°30	4°50	6°13	14° 3	12°47	F 27
S 28	0 52 18	11°10'37	12°20	27°46	9°20	29°18	0♎ 8	1°19	3°28	17°27	25°30	4°40	6°10	14°10	12°48	S 28
S 29	0 56 14	12°10'15	24°24	29°26	9°28	29°50	0°21	1°15	3°25	17°27	25°30	4°31	6° 7	14°17	12°50	S 29
M30	1 0 11	13♎ 9'55	6♏35	1♎ 6	9♍39	0♌23	0♎34	1♉10	3♈23	17♉28	25♊29	4♐25	6♐ 4	14♍24	12♉51	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 6	9s40	3s56	2n24	3s17	3s37	8s44	23n33	0n43	3n19	1n 8	10n 1	2s40	1n 8	0s44	21s57	0n26	18n54	4s34	21s35	21s40	2n40	16s26	6n32
M 2	5 43	13 33	3 12	3 3	3 2	3 23	8 44	23 30	0 44	3 14	1 8	10 0	2 40	1 7	0 44	21 57	0 26	18 54	4 34	21 33	21 40	2 38	16 26	6 31
T 3	5 20	16 54	2 19	3 43	2 46	3 8	8 44	23 27	0 45	3 9	1 8	9 59	2 40	1 6	0 44	21 57	0 26	18 54	4 34	21 32	21 39	2 35	16 27	6 31
W 4	4 58	19 33	1 18	4 22	2 28	2 53	8 42	23 24	0 46	3 4	1 8	9 58	2 41	1 5	0 44	21 57	0 26	18 54	4 34	21 32	21 39	2 33	16 27	6 30
T 5	4 34	21 19	0 13	5 1	2 9	2 36	8 40	23 21	0 47	2 59	1 8	9 57	2 41	1 4	0 44	21 57	0 26	18 54	4 34	21 32	21 38	2 30	16 28	6 30
F 6	4 11	22 1	0n55	5 38	1 49	2 19	8 36	23 17	0 48	2 53	1 8	9 56	2 41	1 3	0 44	21 57	0 26	18 54	4 34	21 32	21 38	2 28	16 28	6 29
S 7	3 48	21 30	2 2	6 13	1 29	2 1	8 32	23 14	0 49	2 48	1 8	9 55	2 41	1 2	0 44	21 58	0 26	18 54	4 34	21 32	21 37	2 25	16 29	6 29
S 8	3 25	19 43	3 5	6 45	1 9	1 43	8 27	23 10	0 50	2 43	1 8	9 54	2 41	1 1	0 44	21 58	0 26	18 54	4 34	21 31	21 37	2 23	16 29	6 29
M 9	3 2	16 41	3 58	7 12	0 49	1 24	8 21	23 6	0 51	2 38	1 8	9 52	2 42	1 1	0 44	21 58	0 26	18 54	4 35	21 31	21 36	2 20	16 30	6 28
T 10	2 38	12 32	4 37	7 36	0 30	1 5	8 14	23 2	0 52	2 33	1 8	9 51	2 42	1 0	0 44	21 58	0 26	18 54	4 35	21 30	21 36	2 18	16 30	6 28
W11	2 15	7 31	4 59	7 55	0 11	0 46	8 6	22 58	0 53	2 27	1 8	9 50	2 42	0 59	0 44	21 58	0 26	18 54	4 35	21 28	21 35	2 15	16 31	6 27
T 12	1 51	1 58	5 0	8 9	0n 6	0 27	7 58	22 54	0 54	2 22	1 8	9 49	2 42	0 58	0 44	21 58	0 26	18 54	4 35	21 26	21 35	2 13	16 31	6 27
F 13	1 28	3n44	4 39	8 18	0 23	0 8	7 49	22 50	0 55	2 17	1 8	9 47	2 42	0 57	0 44	21 58	0 26	18 54	4 35	21 25	21 34	2 10	16 32	6 26
S 14	1 4	9 9	3 59	8 22	0 38	0n11	7 39	22 45	0 56	2 12	1 8	9 46	2 42	0 56	0 45	21 58	0 26	18 54	4 35	21 23	21 34	2 8	16 32	6 26
S 15	0 40	13 55	3 3	8 22	0 52	0 30	7 29	22 41	0 57	2 7	1 8	9 45	2 43	0 55	0 45	21 58	0 26	18 53	4 35	21 22	21 33	2 5	16 33	6 25
M16	0 17	17 43	1 57	8 16	1 4	0 49	7 18	22 36	0 58	2 2	1 8	9 43	2 43	0 54	0 44	21 58	0 26	18 53	4 35	21 21	21 33	2 3	16 33	6 25
T 17	0s 7	20 21	0 45	8 7	1 15	1 7	7 7	22 31	0 59	1 56	1 8	9 42	2 43	0 53	0 44	21 58	0 26	18 53	4 35	21 21	21 32	2 0	16 34	6 24
W18	0 30	21 42	0s27	7 52	1 25	1 24	6 55	22 27	1 0	1 51	1 8	9 40	2 43	0 52	0 44	21 58	0 26	18 53	4 35	21 21	21 31	1 58	16 34	6 24
T 19	0 54	21 49	1 35	7 34	1 33	1 41	6 43	22 22	1 1	1 46	1 8	9 39	2 43	0 51	0 44	21 58	0 26	18 53	4 35	21 21	21 31	1 55	16 34	6 23
F 20	1 18	20 48	2 36	7 12	1 40	1 57	6 31	22 17	1 2	1 41	1 8	9 37	2 43	0 50	0 44	21 58	0 26	18 53	4 35	21 21	21 30	1 53	16 35	6 23
S 21	1 41	18 47	3 29	6 47	1 46	2 13	6 18	22 11	1 3	1 36	1 8	9 36	2 43	0 49	0 44	21 58	0 26	18 53	4 35	21 21	21 30	1 50	16 35	6 23
S 22	2 5	15 59	4 11	6 19	1 51	2 28	6 6	22 6	1 4	1 31	1 8	9 34	2 44	0 48	0 44	21 58	0 26	18 53	4 35	21 20	21 29	1 48	16 36	6 22
M23	2 29	12 32	4 41	5 47	1 54	2 42	5 53	22 1	1 6	1 25	1 8	9 33	2 44	0 47	0 44	21 58	0 26	18 53	4 35	21 19	21 29	1 46	16 36	6 22
T 24	2 52	8 38	4 59	5 14	1 57	2 55	5 40	21 55	1 7	1 20	1 8	9 31	2 44	0 46	0 44	21 58	0 26	18 53	4 35	21 18	21 28	1 43	16 36	6 21
W25	3 16	4 26	5 4	4 38	1 58	3 7	5 27	21 50	1 8	1 15	1 8	9 30	2 44	0 45	0 44	21 58	0 26	18 53	4 35	21 16	21 28	1 41	16 37	6 21
T 26	3 39	0 3	4 56	4 1	1 59	3 19	5 14	21 44	1 9	1 10	1 8	9 28	2 44	0 44	0 44	21 59	0 26	18 53	4 35	21 14	21 27	1 38	16 37	6 20
F 27	4 3	4s20	4 35	3 22	1 59	3 30	5 1	21 39	1 10	1 5	1 8	9 27	2 44	0 43	0 44	21 59	0 26	18 53	4 35	21 12	21 27	1 36	16 38	6 20
S 28	4 26	8 36	4 2	2 42	1 58	3 39	4 48	21 33	1 11	1 0	1 9	9 25	2 44	0 42	0 44	21 59	0 26	18 53	4 36	21 10	21 26	1 33	16 38	6 19
S 29	4 50	12 33	3 18	2 0	1 56	3 48	4 35	21 27	1 12	0 55	1 9	9 23	2 44	0 41	0 44	21 59	0 26	18 53	4 36	21 8	21 25	1 31	16 38	6 19
M30	5s13	16s 2	2s24	1n18	1n54	3n56	4s22	21n21	1n13	0n49	1n 9	9n22	2s44	0n40	0s44	21s59	0n26	18n53	4s36	21s 7	21s25	1n28	16s39	6n18

Julian Day Number = 2150104.5, Delta T = 14m18s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°13'58, Lahiri = 12°20'58 Julian Calendar 1 Sept. 1174 == Greg. Calendar 8 Sept. 1174

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1174
geocentric

OCTOBER 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 8	14♎ 9'37	18♏54	2♎48	9♍51	0♌55	0♎46	1°R 6	3°R21	17♑28	25°R29	4°R22	6♐ 1	14♍30	12♑52	T 1
W 2	1 8 4	15° 9'22	1♐23	4°29	10° 6	1°28	0°59	1♉ 1	3♈18	17°28	25♊29	4°D20	5°57	14°37	12°54	W 2
T 3	1 12 1	16° 9'08	14° 5	6°11	10°23	2° 0	1°12	0°56	3°16	17°28	25°29	4♐21	5°54	14°44	12°55	T 3
F 4	1 15 57	17° 8'55	27° 3	7°53	10°42	2°32	1°25	0°52	3°14	17°29	25°28	4°22	5°51	14°51	12°57	F 4
S 5	1 19 54	18° 8'45	10♑19	9°35	11° 2	3° 4	1°38	0°47	3°11	17°29	25°28	4°23	5°48	14°57	12°58	S 5
S 6	1 23 50	19° 8'36	23°56	11°17	11°25	3°35	1°50	0°42	3° 9	17°30	25°28	4°R23	5°45	15° 4	13° 0	S 6
M 7	1 27 47	20° 8'29	7♒56	12°59	11°49	4° 7	2° 3	0°38	3° 7	17°30	25°27	4°22	5°41	15°11	13° 2	M 7
T 8	1 31 43	21° 8'23	22°18	14°40	12°15	4°38	2°16	0°33	3° 4	17°31	25°27	4°18	5°38	15°17	13° 4	T 8
W 9	1 35 40	22° 8'19	6♓59	16°21	12°43	5° 9	2°28	0°28	3° 2	17°31	25°26	4°13	5°35	15°24	13° 6	W 9
T 10	1 39 37	23° 8'17	21°55	18° 2	13°12	5°40	2°41	0°23	3° 0	17°32	25°26	4° 7	5°32	15°31	13° 8	T 10
F 11	1 43 33	24° 8'17	6♈57	19°42	13°43	6°11	2°54	0°18	2°58	17°32	25°25	4° 1	5°29	15°38	13°10	F 11
S 12	1 47 30	25° 8'18	21°56	21°22	14°16	6°42	3° 6	0°14	2°55	17°33	25°25	3°55	5°26	15°44	13°12	S 12
S 13	1 51 26	26° 8'21	6♉43	23° 1	14°50	7°12	3°19	0° 9	2°53	17°34	25°24	3°51	5°22	15°51	13°14	S 13
M14	1 55 23	27° 8'27	21°11	24°40	15°25	7°42	3°31	0° 4	2°51	17°34	25°24	3°49	5°19	15°58	13°16	M14
T 15	1 59 19	28° 8'34	5♊13	26°19	16° 2	8°12	3°44	29♈59	2°49	17°35	25°23	3°D48	5°16	16° 4	13°19	T 15
W16	2 3 16	29° 8'44	18°49	27°57	16°40	8°42	3°56	29°54	2°47	17°36	25°23	3°49	5°13	16°11	13°21	W16
T 17	2 7 12	0♏ 8'55	1♋58	29°35	17°19	9°12	4° 8	29°49	2°45	17°36	25°22	3°50	5°10	16°18	13°24	T 17
F 18	2 11 9	1° 9'09	14°43	1♏12	18° 0	9°42	4°21	29°44	2°43	17°37	25°21	3°52	5° 7	16°25	13°26	F 18
S 19	2 15 6	2° 9'24	27° 9	2°49	18°41	10°11	4°33	29°39	2°41	17°38	25°21	3°R53	5° 3	16°31	13°29	S 19
S 20	2 19 2	3° 9'42	9♌19	4°25	19°24	10°40	4°45	29°35	2°39	17°39	25°20	3°53	5° 0	16°38	13°32	S 20
M21	2 22 59	4°10'02	21°18	6° 1	20° 8	11° 9	4°57	29°30	2°37	17°40	25°19	3°51	4°57	16°45	13°34	M21
T 22	2 26 55	5°10'23	3♍11	7°37	20°53	11°38	5°10	29°25	2°35	17°41	25°19	3°49	4°54	16°52	13°37	T 22
W23	2 30 52	6°10'47	15° 2	9°12	21°39	12° 6	5°22	29°20	2°33	17°42	25°18	3°45	4°51	16°58	13°40	W23
T 24	2 34 48	7°11'12	26°56	10°47	22°26	12°34	5°34	29°15	2°31	17°43	25°17	3°40	4°47	17° 5	13°43	T 24
F 25	2 38 45	8°11'40	8♎54	12°22	23°13	13° 2	5°46	29°10	2°29	17°44	25°16	3°35	4°44	17°12	13°46	F 25
S 26	2 42 41	9°12'09	21° 0	13°57	24° 2	13°30	5°58	29° 6	2°27	17°45	25°16	3°31	4°41	17°18	13°49	S 26
S 27	2 46 38	10°12'40	3♏14	15°31	24°52	13°57	6° 9	29° 1	2°25	17°46	25°15	3°28	4°38	17°25	13°52	S 27
M28	2 50 34	11°13'12	15°39	17° 5	25°42	14°25	6°21	28°56	2°24	17°47	25°14	3°25	4°35	17°32	13°56	M28
T 29	2 54 31	12°13'47	28°16	18°38	26°33	14°52	6°33	28°51	2°22	17°48	25°13	3°D24	4°32	17°39	13°59	T 29
W30	2 58 28	13°14'22	11♐ 4	20°12	27°25	15°19	6°45	28°47	2°20	17°50	25°12	3°24	4°28	17°45	14° 2	W30
T 31	3 2 24	14♏15'00	24♐ 4	21♏45	28♍18	15♌45	6♎56	28♈42	2♈19	17♑51	25♊12	3♐25	4♐25	17♍52	14♑ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s36	18s50	1s22	0n35	1n51	4n 3	4s 9	21n15	1n14	0n44	1n 9	9n20	2s44	0n39	0s44	21s59	0n26	18n53	4s36	21s 7	21s24	1n26	16s39	6n18
W 2	6 0	20 47	0 16	0s 9	1 48	4 10	3 57	21 9	1 16	0 39	1 9	9 18	2 45	0 38	0 44	21 59	0 26	18 53	4 36	21 6	21 24	1 23	16 39	6 17
T 3	6 23	21 43	0n52	0 53	1 44	4 15	3 44	21 3	1 17	0 34	1 9	9 17	2 45	0 38	0 44	21 58	0 26	18 52	4 36	21 6	21 23	1 21	16 40	6 17
F 4	6 46	21 31	2 0	1 37	1 40	4 19	3 32	20 57	1 18	0 29	1 9	9 15	2 45	0 37	0 44	21 58	0 26	18 52	4 36	21 7	21 23	1 18	16 40	6 17
S 5	7 9	20 7	3 2	2 22	1 35	4 23	3 20	20 50	1 19	0 24	1 9	9 14	2 45	0 36	0 44	21 58	0 26	18 52	4 36	21 7	21 22	1 16	16 40	6 16
S 6	7 32	17 33	3 56	3 6	1 30	4 25	3 8	20 44	1 20	0 19	1 9	9 12	2 45	0 35	0 44	21 58	0 26	18 52	4 36	21 7	21 22	1 14	16 41	6 16
M 7	7 54	13 54	4 37	3 51	1 25	4 27	2 56	20 38	1 21	0 14	1 9	9 10	2 45	0 34	0 44	21 58	0 26	18 52	4 36	21 7	21 21	1 11	16 41	6 15
T 8	8 17	9 22	5 3	4 35	1 19	4 28	2 44	20 31	1 23	0 9	1 9	9 8	2 45	0 33	0 44	21 58	0 25	18 52	4 36	21 6	21 20	1 9	16 41	6 15
W 9	8 39	4 12	5 9	5 19	1 14	4 28	2 33	20 25	1 24	0 4	1 9	9 7	2 45	0 32	0 44	21 58	0 25	18 52	4 36	21 5	21 20	1 6	16 41	6 14
T 10	9 2	1n17	4 55	6 3	1 8	4 27	2 22	20 19	1 25	0s 1	1 9	9 5	2 45	0 31	0 44	21 58	0 25	18 52	4 36	21 4	21 19	1 4	16 42	6 14
F 11	9 24	6 45	4 20	6 47	1 2	4 25	2 11	20 12	1 26	0 6	1 9	9 3	2 45	0 30	0 44	21 58	0 25	18 52	4 36	21 3	21 19	1 1	16 42	6 13
S 12	9 46	11 47	3 28	7 31	0 56	4 23	2 0	20 5	1 27	0 11	1 9	9 2	2 45	0 29	0 44	21 58	0 25	18 52	4 36	21 2	21 18	0 59	16 42	6 13
S 13	10 8	16 3	2 22	8 13	0 49	4 19	1 49	19 59	1 29	0 16	1 9	9 0	2 45	0 29	0 44	21 58	0 25	18 52	4 36	21 1	21 18	0 56	16 42	6 13
M14	10 30	19 14	1 8	8 56	0 43	4 15	1 39	19 52	1 30	0 21	1 9	8 58	2 45	0 28	0 44	21 58	0 25	18 52	4 36	21 0	21 17	0 54	16 42	6 12
T 15	10 52	21 8	0s 8	9 38	0 36	4 10	1 29	19 46	1 31	0 25	1 10	8 57	2 45	0 27	0 44	21 58	0 25	18 52	4 36	21 0	21 16	0 52	16 43	6 12
W16	11 13	21 44	1 21	10 20	0 30	4 5	1 19	19 39	1 32	0 30	1 10	8 55	2 45	0 26	0 44	21 58	0 25	18 52	4 36	21 0	21 16	0 49	16 43	6 11
T 17	11 34	21 4	2 28	11 1	0 23	3 58	1 9	19 32	1 34	0 35	1 10	8 53	2 45	0 25	0 44	21 58	0 25	18 52	4 36	21 1	21 15	0 47	16 43	6 11
F 18	11 56	19 20	3 25	11 41	0 17	3 51	1 0	19 26	1 35	0 40	1 10	8 52	2 45	0 25	0 44	21 58	0 25	18 52	4 36	21 1	21 15	0 44	16 43	6 10
S 19	12 17	16 43	4 11	12 21	0 10	3 43	0 50	19 19	1 36	0 45	1 10	8 50	2 45	0 24	0 44	21 58	0 25	18 52	4 36	21 1	21 14	0 42	16 43	6 10
S 20	12 37	13 25	4 45	13 0	0 3	3 35	0 41	19 12	1 38	0 50	1 10	8 48	2 45	0 23	0 44	21 58	0 25	18 51	4 36	21 1	21 14	0 39	16 44	6 10
M21	12 58	9 38	5 5	13 38	0s 3	3 26	0 33	19 5	1 39	0 54	1 10	8 47	2 45	0 22	0 44	21 57	0 25	18 51	4 36	21 1	21 13	0 37	16 44	6 9
T 22	13 18	5 31	5 13	14 16	0 10	3 16	0 24	18 59	1 40	0 59	1 10	8 45	2 45	0 21	0 44	21 57	0 25	18 51	4 37	21 0	21 12	0 34	16 44	6 9
W23	13 38	1 12	5 7	14 53	0 17	3 5	0 16	18 52	1 42	1 4	1 10	8 43	2 44	0 21	0 44	21 57	0 25	18 51	4 37	21 0	21 12	0 32	16 44	6 8
T 24	13 58	3s10	4 48	15 30	0 23	2 54	0 8	18 45	1 43	1 9	1 10	8 42	2 44	0 20	0 44	21 57	0 25	18 51	4 37	20 59	21 11	0 30	16 44	6 8
F 25	14 18	7 28	4 16	16 5	0 30	2 42	0n 0	18 39	1 44	1 13	1 10	8 40	2 44	0 19	0 44	21 57	0 25	18 51	4 37	20 58	21 11	0 27	16 44	6 8
S 26	14 38	11 30	3 32	16 40	0 36	2 30	0 8	18 32	1 46	1 18	1 11	8 38	2 44	0 19	0 44	21 57	0 25	18 51	4 37	20 57	21 10	0 25	16 44	6 7
S 27	14 57	15 8	2 38	17 14	0 43	2 17	0 16	18 25	1 47	1 22	1 11	8 37	2 44	0 18	0 44	21 57	0 25	18 51	4 37	20 56	21 10	0 22	16 44	6 7
M28	15 16	18 8	1 36	17 47	0 49	2 4	0 23	18 19	1 48	1 27	1 11	8 35	2 44	0 17	0 44	21 57	0 25	18 51	4 37	20 56	21 9	0 20	16 44	6 6
T 29	15 34	20 19	0 28	18 20	0 55	1 50	0 30	18 12	1 50	1 32	1 11	8 34	2 44	0 17	0 44	21 57	0 25	18 51	4 37	20 56	21 8	0 17	16 44	6 6
W30	15 53	21 30	0n42	18 51	1 1	1 36	0 37	18 5	1 51	1 36	1 11	8 32	2 44	0 16	0 44	21 56	0 25	18 51	4 37	20 56	21 8	0 15	16 44	6 6
T 31	16s11	21s33	1n52	19s22	1s 7	1n21	0n44	17n59	1n53	1s41	1n11	8n31	2s44	0n15	0s44	21s56	0n25	18n51	4s37	20s56	21s 7	0n13	16s44	6n 5

Julian Day Number = 2150134.5, Delta T = 14m17s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'02, Lahiri = 12°21'02 Julian Calendar 1 Oct. 1174 == Greg. Calendar 8 Oct. 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

NOVEMBER 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 6 21	15♏15'38	7♑18	23♏18	29♍11	16♌11	7♎ 8	28°R38	2°R17	17♑52	25°R11	3♐27	4♐22	17♍59	14♑ 9	F 1
S 2	3 10 17	16°16'18	20°45	24°51	0♎ 5	16°37	7°19	28♈33	2♈15	17°53	25♊10	3°28	4°19	18° 5	14°13	S 2
S 3	3 14 14	17°16'59	4♒27	26°23	1° 0	17° 3	7°31	28°29	2°14	17°55	25° 9	3°29	4°16	18°12	14°16	S 3
M 4	3 18 10	18°17'41	18°23	27°55	1°55	17°28	7°42	28°24	2°12	17°56	25° 8	3°R30	4°13	18°19	14°20	M 4
T 5	3 22 7	19°18'24	2♓32	29°28	2°51	17°53	7°53	28°20	2°11	17°57	25° 7	3°29	4° 9	18°26	14°23	T 5
W 6	3 26 3	20°19'08	16°54	1♐ 0	3°47	18°18	8° 5	28°15	2°10	17°59	25° 6	3°28	4° 6	18°32	14°27	W 6
T 7	3 30 0	21°19'53	1♈24	2°31	4°44	18°43	8°16	28°11	2° 8	18° 0	25° 5	3°27	4° 3	18°39	14°31	T 7
F 8	3 33 57	22°20'39	15°58	4° 3	5°42	19° 7	8°27	28° 7	2° 7	18° 2	25° 4	3°25	4° 0	18°46	14°35	F 8
S 9	3 37 53	23°21'26	0♉31	5°34	6°40	19°31	8°38	28° 3	2° 6	18° 3	25° 3	3°24	3°57	18°52	14°39	S 9
S 10	3 41 50	24°22'15	14°56	7° 6	7°39	19°55	8°49	27°59	2° 4	18° 5	25° 2	3°23	3°53	18°59	14°43	S 10
M11	3 45 46	25°23'05	29° 7	8°37	8°38	20°18	9° 0	27°55	2° 3	18° 6	25° 1	3°D23	3°50	19° 6	14°47	M11
T 12	3 49 43	26°23'55	13♊ 1	10° 7	9°38	20°41	9°10	27°51	2° 2	18° 8	25° 0	3°23	3°47	19°13	14°51	T 12
W13	3 53 39	27°24'48	26°33	11°38	10°38	21° 4	9°21	27°47	2° 1	18° 9	24°59	3°23	3°44	19°19	14°55	W13
T 14	3 57 36	28°25'41	9♋44	13° 8	11°38	21°26	9°32	27°43	2° 0	18°11	24°58	3°24	3°41	19°26	14°59	T 14
F 15	4 1 33	29°26'36	22°33	14°38	12°39	21°48	9°42	27°39	1°59	18°13	24°57	3°24	3°38	19°33	15° 3	F 15
S 16	4 5 29	0♐27'32	5♌ 2	16° 7	13°41	22°10	9°52	27°35	1°58	18°14	24°56	3°25	3°34	19°40	15° 7	S 16
S 17	4 9 26	1°28'29	17°16	17°36	14°43	22°31	10° 3	27°32	1°57	18°16	24°55	3°25	3°31	19°46	15°11	S 17
M18	4 13 22	2°29'28	29°18	19° 4	15°45	22°52	10°13	27°28	1°56	18°18	24°54	3°25	3°28	19°53	15°16	M18
T 19	4 17 19	3°30'27	11♍12	20°32	16°48	23°12	10°23	27°25	1°55	18°19	24°52	3°25	3°25	20° 0	15°20	T 19
W20	4 21 15	4°31'28	23° 4	21°58	17°51	23°32	10°33	27°21	1°55	18°21	24°51	3°25	3°22	20° 6	15°25	W20
T 21	4 25 12	5°32'30	4♎58	23°24	18°54	23°52	10°43	27°18	1°54	18°23	24°50	3°25	3°19	20°13	15°29	T 21
F 22	4 29 8	6°33'33	16°58	24°49	19°58	24°11	10°53	27°15	1°53	18°25	24°49	3°25	3°15	20°20	15°33	F 22
S 23	4 33 5	7°34'38	29° 8	26°12	21° 2	24°30	11° 3	27°12	1°53	18°26	24°48	3°26	3°12	20°27	15°38	S 23
S 24	4 37 1	8°35'43	11♏32	27°34	22° 6	24°49	11°12	27° 9	1°52	18°28	24°47	3°26	3° 9	20°33	15°43	S 24
M25	4 40 58	9°36'49	24°11	28°54	23°11	25° 7	11°22	27° 6	1°52	18°30	24°45	3°27	3° 6	20°40	15°47	M25
T 26	4 44 55	10°37'56	7♐ 6	0♑11	24°16	25°24	11°31	27° 3	1°51	18°32	24°44	3°R27	3° 3	20°47	15°52	T 26
W27	4 48 51	11°39'03	20°17	1°27	25°21	25°41	11°40	27° 0	1°51	18°34	24°43	3°26	2°59	20°53	15°56	W27
T 28	4 52 48	12°40'12	3♑43	2°39	26°27	25°58	11°50	26°57	1°50	18°36	24°42	3°26	2°56	21° 0	16° 1	T 28
F 29	4 56 44	13°41'20	17°23	3°48	27°32	26°14	11°59	26°55	1°50	18°38	24°41	3°24	2°53	21° 7	16° 6	F 29
S 30	5 0 41	14♐42'30	1♒15	4♑53	28♎38	26♌30	12♎ 8	26♈52	1♈50	18♑40	24♊40	3♐23	2♐50	21♍14	16♑11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s29	20s24	2n56	19s51	1s13	1n 5	0n50	17n52	1n54	1s45	1n11	8n29	2s44	0n15	0s44	21s56	0n25	18n51	4s37	20s56	21s 7	0n10	16s44	6n 5
S 2	16 47	18 6	3 53	20 20	1 19	0 50	0 56	17 46	1 56	1 50	1 11	8 28	2 43	0 14	0 44	21 56	0 25	18 51	4 37	20 56	21 6	0 8	16 44	6 5
S 3	17 4	14 45	4 37	20 48	1 24	0 33	1 2	17 39	1 57	1 54	1 11	8 26	2 43	0 13	0 44	21 56	0 25	18 51	4 37	20 57	21 5	0 5	16 44	6 4
M 4	17 21	10 33	5 5	21 14	1 30	0 17	1 8	17 33	1 59	1 58	1 12	8 25	2 43	0 13	0 44	21 56	0 25	18 51	4 37	20 57	21 5	0 3	16 44	6 4
T 5	17 38	5 42	5 16	21 40	1 35	0s 1	1 14	17 27	2 0	2 3	1 12	8 23	2 43	0 12	0 44	21 55	0 25	18 51	4 37	20 57	21 4	0 0	16 44	6 4
W 6	17 54	0 28	5 8	22 5	1 40	0 18	1 19	17 20	2 2	2 7	1 12	8 22	2 43	0 12	0 44	21 55	0 25	18 51	4 37	20 56	21 4	0s 2	16 44	6 3
T 7	18 10	4n50	4 40	22 28	1 45	0 36	1 24	17 14	2 3	2 11	1 12	8 21	2 43	0 11	0 44	21 55	0 25	18 51	4 37	20 56	21 3	0 4	16 44	6 3
F 8	18 26	9 54	3 53	22 50	1 49	0 54	1 30	17 8	2 5	2 16	1 12	8 19	2 43	0 11	0 43	21 55	0 25	18 51	4 37	20 56	21 2	0 7	16 44	6 3
S 9	18 42	14 23	2 52	23 11	1 53	1 13	1 34	17 2	2 6	2 20	1 12	8 18	2 42	0 10	0 43	21 55	0 25	18 50	4 37	20 56	21 2	0 9	16 44	6 2
S 10	18 57	17 59	1 41	23 31	1 58	1 32	1 39	16 56	2 8	2 24	1 12	8 17	2 42	0 10	0 43	21 55	0 25	18 50	4 37	20 55	21 1	0 12	16 44	6 2
M11	19 12	20 26	0 24	23 50	2 1	1 51	1 44	16 50	2 10	2 28	1 13	8 15	2 42	0 9	0 43	21 54	0 25	18 50	4 37	20 55	21 1	0 14	16 44	6 2
T 12	19 26	21 35	0s53	24 7	2 5	2 11	1 48	16 44	2 11	2 32	1 13	8 14	2 42	0 9	0 43	21 54	0 25	18 50	4 37	20 55	21 0	0 16	16 44	6 1
W13	19 40	21 25	2 5	24 24	2 8	2 31	1 52	16 38	2 13	2 36	1 13	8 13	2 42	0 9	0 43	21 54	0 25	18 50	4 37	20 56	20 59	0 19	16 44	6 1
T 14	19 54	20 3	3 8	24 38	2 11	2 51	1 56	16 32	2 14	2 40	1 13	8 12	2 41	0 8	0 43	21 54	0 25	18 50	4 37	20 56	20 59	0 21	16 43	6 1
F 15	20 7	17 42	4 0	24 52	2 14	3 11	2 0	16 27	2 16	2 44	1 13	8 10	2 41	0 8	0 43	21 54	0 25	18 50	4 37	20 56	20 58	0 24	16 43	6 0
S 16	20 20	14 34	4 39	25 4	2 16	3 32	2 3	16 21	2 18	2 48	1 13	8 9	2 41	0 8	0 43	21 53	0 25	18 50	4 37	20 56	20 58	0 26	16 43	6 0
S 17	20 33	10 53	5 5	25 15	2 17	3 53	2 7	16 16	2 19	2 52	1 13	8 8	2 41	0 7	0 43	21 53	0 25	18 50	4 37	20 56	20 57	0 28	16 43	6 0
M18	20 45	6 50	5 17	25 24	2 19	4 14	2 10	16 11	2 21	2 56	1 14	8 7	2 41	0 7	0 43	21 53	0 25	18 50	4 37	20 56	20 56	0 31	16 43	6 0
T 19	20 57	2 33	5 14	25 32	2 20	4 35	2 13	16 6	2 23	3 0	1 14	8 6	2 40	0 7	0 43	21 53	0 24	18 50	4 37	20 56	20 56	0 33	16 43	5 59
W20	21 8	1s49	4 59	25 38	2 20	4 56	2 16	16 0	2 25	3 4	1 14	8 5	2 40	0 6	0 43	21 53	0 24	18 50	4 37	20 56	20 55	0 36	16 42	5 59
T 21	21 19	6 7	4 31	25 43	2 20	5 18	2 19	15 56	2 26	3 7	1 14	8 4	2 40	0 6	0 43	21 52	0 24	18 50	4 37	20 56	20 55	0 38	16 42	5 59
F 22	21 30	10 14	3 50	25 46	2 19	5 40	2 21	15 51	2 28	3 11	1 14	8 3	2 40	0 6	0 43	21 52	0 24	18 50	4 37	20 56	20 54	0 40	16 42	5 59
S 23	21 40	14 0	2 59	25 47	2 18	6 1	2 24	15 46	2 30	3 15	1 14	8 2	2 40	0 6	0 43	21 52	0 24	18 50	4 37	20 56	20 53	0 43	16 42	5 58
S 24	21 50	17 14	1 59	25 47	2 16	6 23	2 26	15 42	2 32	3 18	1 15	8 1	2 39	0 5	0 43	21 52	0 24	18 50	4 37	20 56	20 53	0 45	16 41	5 58
M25	21 59	19 44	0 51	25 46	2 13	6 45	2 28	15 37	2 34	3 22	1 15	8 1	2 39	0 5	0 43	21 51	0 24	18 50	4 37	20 56	20 52	0 48	16 41	5 58
T 26	22 8	21 15	0n20	25 43	2 10	7 7	2 30	15 33	2 36	3 26	1 15	8 0	2 39	0 5	0 43	21 51	0 24	18 50	4 37	20 56	20 52	0 50	16 41	5 58
W27	22 17	21 39	1 32	25 38	2 6	7 30	2 32	15 29	2 37	3 29	1 15	7 59	2 39	0 5	0 43	21 51	0 24	18 50	4 37	20 56	20 51	0 52	16 40	5 57
T 28	22 25	20 50	2 40	25 32	2 1	7 52	2 33	15 25	2 39	3 33	1 15	7 58	2 38	0 5	0 43	21 51	0 24	18 50	4 37	20 56	20 50	0 55	16 40	5 57
F 29	22 33	18 46	3 40	25 24	1 55	8 14	2 35	15 21	2 41	3 36	1 15	7 58	2 38	0 5	0 43	21 51	0 24	18 50	4 37	20 56	20 50	0 57	16 40	5 57
S 30	22s40	15s37	4n28	25s15	1s48	8s36	2n36	15n18	2n43	3s39	1n16	7n57	2s38	0n 5	0s43	21s50	0n24	18n50	4s37	20s55	20s49	1s 0	16s39	5n57

Julian Day Number = 2150165.5, Delta T = 14m17s
Ecliptic obliquity = 23°32'43, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'06, Lahiri = 12°21'06 Julian Calendar 1 Nov. 1174 == Greg. Calendar 8 Nov. 1174

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ASTRODIENST EPHEMERIS for the year 1174
geocentric

DECEMBER 1174 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 4 37	15♐43'39	15♒14	5♑53	29♎45	26♌45	12♎17	26°R50	1°R50	18♑42	24°R38	3°R22	2♐47	21♍20	16♑16	S 1
M 2	5 8 34	16°44'49	29°20	6°48	0♏51	27° 0	12°25	26♈48	1♈49	18°44	24♊37	3♐20	2°44	21°27	16°20	M 2
T 3	5 12 31	17°45'58	13♓30	7°37	1°58	27°14	12°34	26°46	1°49	18°46	24°36	3°D20	2°40	21°34	16°25	T 3
W 4	5 16 27	18°47'08	27°41	8°19	3° 5	27°27	12°42	26°44	1°49	18°48	24°35	3°20	2°37	21°40	16°30	W 4
T 5	5 20 24	19°48'18	11♈51	8°54	4°12	27°40	12°51	26°42	1°D49	18°50	24°34	3°21	2°34	21°47	16°35	T 5
F 6	5 24 20	20°49'28	25°59	9°20	5°19	27°53	12°59	26°40	1°49	18°52	24°32	3°22	2°31	21°54	16°40	F 6
S 7	5 28 17	21°50'38	10♉ 1	9°36	6°27	28° 5	13° 7	26°38	1°49	18°54	24°31	3°23	2°28	22° 1	16°45	S 7
S 8	5 32 13	22°51'48	23°56	9°R42	7°35	28°16	13°15	26°36	1°50	18°56	24°30	3°24	2°24	22° 7	16°50	S 8
M 9	5 36 10	23°52'58	7♊42	9°36	8°43	28°27	13°23	26°35	1°50	18°58	24°29	3°R25	2°21	22°14	16°55	M 9
T 10	5 40 6	24°54'08	21°14	9°19	9°51	28°38	13°31	26°34	1°50	19° 0	24°27	3°24	2°18	22°21	17° 0	T 10
W11	5 44 3	25°55'19	4♋32	8°51	10°59	28°47	13°38	26°32	1°50	19° 2	24°26	3°21	2°15	22°27	17° 5	W11
T 12	5 48 0	26°56'29	17°33	8°10	12° 8	28°56	13°46	26°31	1°51	19° 4	24°25	3°18	2°12	22°34	17°10	T 12
F 13	5 51 56	27°57'40	0♌18	7°18	13°17	29° 5	13°53	26°30	1°51	19° 7	24°24	3°14	2° 9	22°41	17°15	F 13
S 14	5 55 53	28°58'51	12°47	6°17	14°26	29°13	14° 0	26°29	1°52	19° 9	24°23	3°10	2° 5	22°48	17°20	S 14
S 15	5 59 49	0♍ 0'02	25° 1	5° 7	15°35	29°20	14° 7	26°28	1°52	19°11	24°21	3° 6	2° 2	22°54	17°26	S 15
M16	6 3 46	1° 1'13	7♍ 4	3°51	16°44	29°26	14°14	26°27	1°53	19°13	24°20	3° 2	1°59	23° 1	17°31	M16
T 17	6 7 42	2° 2'24	18°59	2°31	17°53	29°32	14°21	26°27	1°53	19°15	24°19	3° 0	1°56	23° 8	17°36	T 17
W18	6 11 39	3° 3'36	0♎50	1°10	19° 3	29°37	14°28	26°26	1°54	19°18	24°18	2°D59	1°53	23°14	17°41	W18
T 19	6 15 35	4° 4'47	12°43	29♐51	20°12	29°42	14°34	26°26	1°55	19°20	24°17	2°59	1°50	23°21	17°46	T 19
F 20	6 19 32	5° 5'59	24°43	28°35	21°22	29°46	14°41	26°25	1°56	19°22	24°15	3° 1	1°46	23°28	17°52	F 20
S 21	6 23 29	6° 7'10	6♏53	27°26	22°32	29°49	14°47	26°25	1°56	19°24	24°14	3° 2	1°43	23°35	17°57	S 21
S 22	6 27 25	7° 8'22	19°20	26°24	23°42	29°51	14°53	26°D25	1°57	19°26	24°13	3° 4	1°40	23°41	18° 2	S 22
M23	6 31 22	8° 9'34	2♑ 6	25°31	24°52	29°53	14°59	26°25	1°58	19°29	24°12	3°R 5	1°37	23°48	18° 7	M23
T 24	6 35 18	9°10'45	15°13	24°47	26° 3	29°53	15° 4	26°25	1°59	19°31	24°11	3° 4	1°34	23°55	18°13	T 24
W25	6 39 15	10°11'56	28°43	24°13	27°13	29°R53	15°10	26°26	2° 0	19°33	24° 9	3° 2	1°30	24° 1	18°18	W25
T 26	6 43 11	11°13'07	12♑35	23°49	28°24	29°53	15°15	26°26	2° 1	19°35	24° 8	2°57	1°27	24° 8	18°23	T 26
F 27	6 47 8	12°14'17	26°44	23°34	29°34	29°51	15°21	26°26	2° 2	19°38	24° 7	2°51	1°24	24°15	18°29	F 27
S 28	6 51 5	13°15'27	11♒ 5	23°D29	0♑45	29°49	15°26	26°27	2° 4	19°40	24° 6	2°45	1°21	24°22	18°34	S 28
S 29	6 55 1	14°16'36	25°34	23°32	1°56	29°46	15°31	26°28	2° 5	19°42	24° 5	2°38	1°18	24°28	18°39	S 29
M30	6 58 58	15°17'44	10♓ 3	23°43	3° 7	29°42	15°35	26°29	2° 6	19°44	24° 4	2°32	1°15	24°35	18°44	M30
T 31	7 2 54	16♑18'51	24♓27	24♑ 1	4♑18	29♌38	15♎40	26♈29	2♈ 7	19♑47	24♊ 3	2♐28	1♑11	24♍42	18♑50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s47	11s33	5n 1	25s 4	1s40	8s59	2n37	15n14	2n45	3s43	1n16	7n56	2s38	0n 5	0s43	21s50	0n24	18n50	4s36	20s55	20s48	1s 2	16s39	5n57
M 2	22 53	6 50	5 15	24 53	1 31	9 21	2 38	15 11	2 47	3 46	1 16	7 56	2 37	0 5	0 43	21 50	0 24	18 50	4 36	20 55	20 48	1 4	16 39	5 56
T 3	22 59	1 43	5 11	24 40	1 20	9 43	2 39	15 8	2 49	3 49	1 16	7 55	2 37	0 5	0 43	21 49	0 24	18 50	4 36	20 55	20 47	1 7	16 38	5 56
W 4	23 4	3n29	4 48	24 26	1 9	10 5	2 40	15 5	2 51	3 52	1 16	7 55	2 37	0 5	0 43	21 49	0 24	18 50	4 36	20 55	20 47	1 9	16 38	5 56
T 5	23 9	8 30	4 8	24 11	0 56	10 27	2 41	15 2	2 53	3 55	1 17	7 54	2 36	0 5	0 42	21 49	0 24	18 50	4 36	20 55	20 46	1 12	16 37	5 56
F 6	23 14	13 4	3 12	23 55	0 42	10 49	2 41	15 0	2 55	3 58	1 17	7 54	2 36	0 5	0 42	21 49	0 24	18 50	4 36	20 55	20 45	1 14	16 37	5 56
S 7	23 18	16 52	2 6	23 39	0 27	11 11	2 42	14 57	2 57	4 1	1 17	7 54	2 36	0 5	0 42	21 48	0 24	18 50	4 36	20 56	20 45	1 16	16 37	5 55
S 8	23 21	19 41	0 52	23 22	0 10	11 33	2 42	14 55	2 59	4 4	1 17	7 53	2 36	0 5	0 42	21 48	0 24	18 50	4 36	20 56	20 44	1 19	16 36	5 55
M 9	23 24	21 18	0s24	23 5	0n 7	11 55	2 42	14 53	3 1	4 7	1 17	7 53	2 35	0 5	0 42	21 48	0 24	18 50	4 36	20 56	20 43	1 21	16 36	5 55
T 10	23 27	21 39	1 37	22 47	0 26	12 16	2 42	14 52	3 3	4 10	1 18	7 53	2 35	0 5	0 42	21 48	0 24	18 50	4 36	20 56	20 43	1 23	16 35	5 55
W11	23 29	20 45	2 43	22 30	0 45	12 38	2 42	14 50	3 5	4 13	1 18	7 53	2 35	0 5	0 42	21 47	0 24	18 50	4 36	20 55	20 42	1 26	16 35	5 55
T 12	23 31	18 46	3 39	22 13	1 5	12 59	2 41	14 49	3 7	4 15	1 18	7 52	2 34	0 6	0 42	21 47	0 24	18 50	4 36	20 55	20 42	1 28	16 34	5 55
F 13	23 32	15 53	4 23	21 56	1 24	13 20	2 41	14 48	3 10	4 18	1 18	7 52	2 34	0 6	0 42	21 47	0 24	18 50	4 36	20 54	20 41	1 30	16 34	5 55
S 14	23 32	12 21	4 54	21 40	1 44	13 41	2 40	14 47	3 12	4 21	1 18	7 52	2 34	0 6	0 42	21 46	0 24	18 50	4 36	20 53	20 40	1 33	16 33	5 55
S 15	23 33	8 22	5 10	21 25	2 2	14 2	2 40	14 47	3 14	4 23	1 19	7 52	2 34	0 6	0 42	21 46	0 24	18 50	4 36	20 52	20 40	1 35	16 33	5 54
M16	23 32	4 7	5 13	21 10	2 19	14 22	2 39	14 46	3 16	4 26	1 19	7 52	2 33	0 6	0 42	21 46	0 24	18 50	4 36	20 51	20 39	1 38	16 32	5 54
T 17	23 32	0s14	5 1	20 56	2 35	14 42	2 38	14 46	3 18	4 28	1 19	7 52	2 33	0 7	0 42	21 46	0 24	18 50	4 36	20 51	20 38	1 40	16 32	5 54
W18	23 31	4 34	4 37	20 44	2 49	15 2	2 37	14 47	3 20	4 30	1 19	7 52	2 33	0 7	0 42	21 45	0 24	18 50	4 36	20 51	20 38	1 42	16 31	5 54
T 19	23 29	8 45	4 1	20 33	3 0	15 22	2 36	14 47	3 22	4 33	1 20	7 52	2 32	0 7	0 42	21 45	0 24	18 50	4 35	20 51	20 37	1 45	16 30	5 54
F 20	23 27	12 37	3 14	20 24	3 8	15 42	2 35	14 48	3 25	4 35	1 20	7 53	2 32	0 8	0 42	21 45	0 24	18 50	4 35	20 51	20 36	1 47	16 30	5 54
S 21	23 24	16 3	2 18	20 17	3 15	16 1	2 34	14 49	3 27	4 37	1 20	7 53	2 32	0 8	0 42	21 44	0 24	18 50	4 35	20 51	20 36	1 49	16 29	5 54
S 22	23 21	18 50	1 14	20 11	3 19	16 19	2 32	14 50	3 29	4 39	1 20	7 53	2 31	0 8	0 42	21 44	0 24	18 50	4 35	20 52	20 35	1 52	16 29	5 54
M23	23 18	20 46	0 5	20 8	3 20	16 38	2 31	14 51	3 31	4 41	1 20	7 53	2 31	0 9	0 42	21 44	0 24	18 50	4 35	20 52	20 35	1 54	16 28	5 54
T 24	23 14	21 38	1n 6	20 7	3 19	16 56	2 29	14 53	3 34	4 43	1 21	7 54	2 31	0 9	0 42	21 43	0 24	18 50	4 35	20 52	20 34	1 56	16 27	5 54
W25	23 9	21 17	2 15	20 8	3 17	17 14	2 27	14 55	3 36	4 45	1 21	7 54	2 31	0 10	0 42	21 43	0 24	18 50	4 35	20 51	20 33	1 59	16 27	5 54
T 26	23 4	19 40	3 18	20 11	3 13	17 31	2 26	14 58	3 38	4 47	1 21	7 54	2 30	0 10	0 42	21 43	0 24	18 50	4 35	20 50	20 33	2 1	16 26	5 54
F 27	22 59	16 48	4 10	20 16	3 8	17 48	2 24	15 0	3 40	4 49	1 21	7 55	2 30	0 11	0 42	21 43	0 24	18 50	4 35	20 49	20 32	2 3	16 25	5 54
S 28	22 53	12 55	4 48	20 22	3 1	18 5	2 22	15 3	3 42	4 51	1 22	7 55	2 30	0 11	0 42	21 42	0 24	18 50	4 35	20 48	20 31	2 6	16 25	5 54
S 29	22 47	8 14	5 7	20 29	2 54	18 21	2 20	15 6	3 45	4 52	1 22	7 56	2 29	0 12	0 42	21 42	0 24	18 50	4 35	20 47	20 31	2 8	16 24	5 54
M30	22 40	3 6	5 6	20 38	2 46	18 37	2 18	15 10	3 47	4 54	1 22	7 57	2 29	0 12	0 41	21 42	0 24	18 50	4 35	20 46	20 30	2 11	16 23	5 54
T 31	22s33	2n10	4n47	20s47	2n37	18s52	2n16	15n13	3n49	4s56	1n22	7n57	2s29	0n13	0s41	21s41	0n24	18n50	4s34	20s45	20s29	2s13	16s23	5n54

Julian Day Number = 2150195.5, Delta T = 14m17s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'10, Lahiri = 12°21'11 Julian Calendar 1 Dec. 1174 == Greg. Calendar 8 Dec. 1174

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

JANUARY 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 6 51	17♑19'57	8♈42	24♐25	5♐29	29°R32	15♎44	26♈31	2♈ 9	19♑49	24°R 1	2°R26	1♐ 8	24♍48	18♑55	W 1
T 2	7 10 47	18°21'03	22°47	24°56	6°40	29♌26	15°49	26°32	2°10	19°51	24♊ 0	2°D26	1° 5	24°55	19° 0	T 2
F 3	7 14 44	19°22'07	6♉39	25°33	7°51	29°19	15°53	26°33	2°12	19°54	23°59	2♐27	1° 2	25° 2	19° 6	F 3
S 4	7 18 40	20°23'10	20°20	26°14	9° 3	29°11	15°57	26°34	2°13	19°56	23°58	2°28	0°59	25° 9	19°11	S 4
S 5	7 22 37	21°24'12	3♊49	27° 0	10°14	29° 3	16° 0	26°36	2°15	19°58	23°57	2°R29	0°56	25°15	19°16	S 5
M 6	7 26 34	22°25'13	17° 8	27°49	11°25	28°53	16° 4	26°37	2°16	20° 0	23°56	2°28	0°52	25°22	19°22	M 6
T 7	7 30 30	23°26'13	0♋15	28°43	12°37	28°43	16° 7	26°39	2°18	20° 3	23°55	2°24	0°49	25°29	19°27	T 7
W 8	7 34 27	24°27'12	13°11	29°40	13°49	28°32	16°10	26°41	2°20	20° 5	23°54	2°18	0°46	25°35	19°32	W 8
T 9	7 38 23	25°28'10	25°56	0♑40	15° 0	28°20	16°13	26°43	2°22	20° 7	23°53	2°10	0°43	25°42	19°38	T 9
F 10	7 42 20	26°29'07	8♌29	1°42	16°12	28° 8	16°16	26°45	2°23	20°10	23°52	2° 0	0°40	25°49	19°43	F 10
S 11	7 46 16	27°30'03	20°50	2°48	17°24	27°55	16°19	26°47	2°25	20°12	23°51	1°49	0°36	25°56	19°48	S 11
S 12	7 50 13	28°30'58	3♍ 0	3°55	18°36	27°41	16°21	26°49	2°27	20°14	23°50	1°38	0°33	26° 2	19°53	S 12
M13	7 54 9	29°31'52	15° 1	5° 4	19°48	27°26	16°24	26°52	2°29	20°16	23°49	1°28	0°30	26° 9	19°59	M13
T 14	7 58 6	0♒32'45	26°55	6°16	21° 0	27°10	16°26	26°54	2°31	20°19	23°48	1°21	0°27	26°16	20° 4	T 14
W15	8 2 3	1°33'38	8♎45	7°29	22°12	26°54	16°28	26°57	2°33	20°21	23°47	1°15	0°24	26°22	20° 9	W15
T 16	8 5 59	2°34'29	20°36	8°44	23°24	26°37	16°29	27° 0	2°35	20°23	23°46	1°12	0°21	26°29	20°14	T 16
F 17	8 9 56	3°35'19	2♏33	10° 1	24°36	26°20	16°31	27° 2	2°37	20°25	23°45	1°D11	0°17	26°36	20°19	F 17
S 18	8 13 52	4°36'09	14°40	11°18	25°49	26° 1	16°32	27° 5	2°39	20°27	23°44	1°12	0°14	26°42	20°25	S 18
S 19	8 17 49	5°36'57	27° 4	12°38	27° 1	25°43	16°34	27° 8	2°41	20°30	23°43	1°R12	0°11	26°49	20°30	S 19
M20	8 21 45	6°37'45	9♐49	13°58	28°13	25°23	16°35	27°11	2°44	20°32	23°43	1°12	0° 8	26°56	20°35	M20
T 21	8 25 42	7°38'31	22°59	15°20	29°26	25° 3	16°35	27°14	2°46	20°34	23°42	1°10	0° 5	27° 3	20°40	T 21
W22	8 29 38	8°39'16	6♑37	16°43	0♑38	24°43	16°36	27°18	2°48	20°36	23°41	1° 5	0° 2	27° 9	20°45	W22
T 23	8 33 35	9°40'00	20°41	18° 7	1°51	24°21	16°36	27°21	2°50	20°39	23°40	0°58	29♏58	27°16	20°50	T 23
F 24	8 37 32	10°40'43	5♒10	19°32	3° 3	24° 0	16°37	27°25	2°53	20°41	23°39	0°48	29°55	27°23	20°55	F 24
S 25	8 41 28	11°41'24	19°57	20°58	4°16	23°38	16°R37	27°28	2°55	20°43	23°39	0°37	29°52	27°29	21° 0	S 25
S 26	8 45 25	12°42'04	4♓53	22°26	5°28	23°16	16°37	27°32	2°58	20°45	23°38	0°26	29°49	27°36	21° 5	S 26
M27	8 49 21	13°42'42	19°50	23°54	6°41	22°53	16°36	27°36	3° 0	20°47	23°37	0°16	29°46	27°43	21°10	M27
T 28	8 53 18	14°43'18	4♈37	25°23	7°53	22°30	16°36	27°40	3° 3	20°49	23°36	0° 9	29°42	27°50	21°15	T 28
W29	8 57 14	15°43'53	19°10	26°53	9° 6	22° 7	16°35	27°44	3° 5	20°51	23°36	0° 4	29°39	27°56	21°20	W29
T 30	9 1 11	16°44'25	3♉23	28°24	10°19	21°43	16°34	27°48	3° 8	20°54	23°35	0° 1	29°36	28° 3	21°25	T 30
F 31	9 5 7	17♒44'56	17♉16	29♑56	11♑32	21♌20	16♎33	27♈52	3♈10	20♑56	23♊34	0°D 1	29♏33	28♍10	21♑30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s25	7n17	4n10	20s58	2n28	19s 7	2n13	15n17	3n51	4s57	1n23	7n58	2s28	0n13	0s41	21s41	0n24	18n50	4s34	20s44	20s29	2s15	16s22	5n54
T 2	22 17	11 57	3 18	21 8	2 19	19 22	2 11	15 21	3 53	4 58	1 23	7 59	2 28	0 14	0 41	21 41	0 24	18 50	4 34	20 44	20 28	2 18	16 21	5 54
F 3	22 8	15 55	2 15	21 19	2 9	19 36	2 9	15 26	3 55	5 0	1 23	7 59	2 28	0 15	0 41	21 40	0 24	18 51	4 34	20 45	20 27	2 20	16 20	5 54
S 4	21 59	18 57	1 5	21 31	1 59	19 49	2 6	15 30	3 57	5 1	1 23	8 0	2 28	0 15	0 41	21 40	0 24	18 51	4 34	20 45	20 27	2 22	16 20	5 54
S 5	21 50	20 53	0s 7	21 42	1 49	20 2	2 4	15 35	3 59	5 2	1 24	8 1	2 27	0 16	0 41	21 40	0 24	18 51	4 34	20 45	20 26	2 25	16 19	5 54
M 6	21 40	21 37	1 18	21 53	1 39	20 15	2 1	15 41	4 1	5 3	1 24	8 2	2 27	0 17	0 41	21 39	0 24	18 51	4 34	20 45	20 25	2 27	16 18	5 54
T 7	21 30	21 9	2 24	22 3	1 29	20 27	1 59	15 46	4 3	5 4	1 24	8 3	2 27	0 17	0 41	21 39	0 24	18 51	4 34	20 44	20 25	2 29	16 17	5 54
W 8	21 19	19 34	3 21	22 14	1 19	20 38	1 56	15 52	4 5	5 5	1 24	8 4	2 26	0 18	0 41	21 39	0 24	18 51	4 34	20 43	20 24	2 32	16 17	5 54
T 9	21 8	17 1	4 7	22 24	1 9	20 49	1 53	15 58	4 7	5 6	1 25	8 5	2 26	0 19	0 41	21 38	0 24	18 51	4 34	20 41	20 23	2 34	16 16	5 54
F 10	20 57	13 43	4 40	22 33	0 59	21 0	1 50	16 4	4 9	5 7	1 25	8 6	2 26	0 20	0 41	21 38	0 24	18 51	4 33	20 39	20 23	2 36	16 15	5 54
S 11	20 45	9 53	4 59	22 41	0 50	21 10	1 47	16 10	4 11	5 8	1 25	8 7	2 25	0 20	0 41	21 38	0 24	18 51	4 33	20 37	20 22	2 38	16 14	5 54
S 12	20 33	5 43	5 4	22 49	0 40	21 19	1 45	16 17	4 13	5 9	1 25	8 8	2 25	0 21	0 41	21 37	0 24	18 51	4 33	20 35	20 21	2 41	16 13	5 54
M13	20 20	1 23	4 56	22 56	0 31	21 28	1 42	16 24	4 14	5 9	1 26	8 9	2 25	0 22	0 41	21 37	0 24	18 51	4 33	20 33	20 21	2 43	16 13	5 54
T 14	20 7	2s58	4 35	23 2	0 22	21 36	1 39	16 31	4 16	5 10	1 26	8 10	2 25	0 23	0 41	21 37	0 24	18 51	4 33	20 31	20 20	2 45	16 12	5 54
W15	19 54	7 12	4 2	23 7	0 13	21 43	1 36	16 38	4 18	5 11	1 26	8 11	2 24	0 24	0 41	21 36	0 24	18 51	4 33	20 30	20 19	2 48	16 11	5 54
T 16	19 40	11 9	3 19	23 12	0 4	21 50	1 33	16 45	4 19	5 11	1 26	8 12	2 24	0 24	0 41	21 36	0 24	18 51	4 33	20 30	20 19	2 50	16 10	5 55
F 17	19 26	14 42	2 27	23 15	0s 5	21 57	1 30	16 53	4 21	5 11	1 27	8 14	2 24	0 25	0 41	21 36	0 24	18 51	4 33	20 29	20 18	2 52	16 9	5 55
S 18	19 12	17 42	1 27	23 17	0 13	22 2	1 26	17 0	4 22	5 12	1 27	8 15	2 23	0 26	0 41	21 35	0 24	18 52	4 32	20 29	20 17	2 55	16 8	5 55
S 19	18 57	19 57	0 22	23 18	0 21	22 7	1 23	17 8	4 23	5 12	1 27	8 16	2 23	0 27	0 41	21 35	0 24	18 52	4 32	20 30	20 17	2 57	16 7	5 55
M20	18 42	21 16	0n46	23 17	0 29	22 12	1 20	17 16	4 25	5 12	1 27	8 18	2 23	0 28	0 41	21 35	0 24	18 52	4 32	20 29	20 16	2 59	16 6	5 55
T 21	18 26	21 28	1 53	23 16	0 37	22 16	1 17	17 24	4 26	5 12	1 28	8 19	2 23	0 29	0 41	21 34	0 24	18 52	4 32	20 29	20 15	3 2	16 6	5 55
W22	18 11	20 27	2 56	23 13	0 44	22 19	1 14	17 32	4 27	5 12	1 28	8 21	2 22	0 30	0 41	21 34	0 24	18 52	4 32	20 28	20 15	3 4	16 5	5 55
T 23	17 55	18 8	3 51	23 9	0 51	22 22	1 10	17 40	4 28	5 12	1 28	8 22	2 22	0 31	0 41	21 34	0 24	18 52	4 32	20 27	20 14	3 6	16 4	5 56
F 24	17 38	14 39	4 32	23 4	0 58	22 23	1 7	17 48	4 29	5 12	1 28	8 24	2 22	0 32	0 41	21 33	0 24	18 52	4 32	20 25	20 13	3 9	16 3	5 56
S 25	17 21	10 12	4 56	22 58	1 4	22 25	1 4	17 56	4 30	5 12	1 29	8 25	2 21	0 33	0 41	21 33	0 24	18 52	4 32	20 22	20 13	3 11	16 2	5 56
S 26	17 4	5 6	5 1	22 50	1 11	22 25	1 1	18 4	4 30	5 11	1 29	8 27	2 21	0 34	0 41	21 33	0 24	18 52	4 31	20 20	20 12	3 13	16 1	5 56
M27	16 47	0n19	4 44	22 41	1 17	22 25	0 57	18 12	4 31	5 11	1 29	8 28	2 21	0 35	0 41	21 32	0 24	18 52	4 31	20 18	20 11	3 15	16 0	5 56
T 28	16 29	5 39	4 9	22 30	1 22	22 25	0 54	18 21	4 31	5 10	1 29	8 30	2 21	0 36	0 40	21 32	0 24	18 53	4 31	20 16	20 11	3 18	15 59	5 56
W29	16 11	10 35	3 18	22 19	1 28	22 23	0 51	18 29	4 32	5 10	1 30	8 32	2 20	0 37	0 40	21 32	0 24	18 53	4 31	20 15	20 10	3 20	15 58	5 57
T 30	15 53	14 50	2 16	22 5	1 33	22 21	0 47	18 37	4 32	5 9	1 30	8 33	2 20	0 38	0 40	21 32	0 24	18 53	4 31	20 15	20 9	3 22	15 57	5 57
F 31	15s35	18n 8	1n 7	21s51	1s38	22s19	0n44	18n45	4n32	5s 9	1n30	8n35	2s20	0n39	0s40	21s31	0n24	18n53	4s31	20s15	20s 9	3s25	15s56	5n57

Julian Day Number = 2150226.5, Delta T = 14m17s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'14, Lahiri = 12°21'15 Julian Calendar 1 Jan. 1175 == Greg. Calendar 8 Jan. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

FEBRUARY 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 4	18♒45'25	0♊49	1♒29	12♉44	20°R56	16°R32	27♈56	3♈13	20♉58	23°R34	0°R 1	29♏30	28♍16	21♉35	S 1
S 2	9 13 1	19°45'52	14° 5	3° 3	13°57	20♌32	16♎30	28° 0	3°16	21° 0	23♊33	0♐ 0	29°27	28°23	21°40	S 2
M 3	9 16 57	20°46'17	27° 5	4°38	15°10	20° 8	16°28	28° 5	3°18	21° 2	23°32	29♏58	29°23	28°30	21°45	M 3
T 4	9 20 54	21°46'40	9♋53	6°14	16°23	19°44	16°27	28° 9	3°21	21° 4	23°32	29°53	29°20	28°37	21°50	T 4
W 5	9 24 50	22°47'01	22°29	7°51	17°36	19°21	16°25	28°14	3°24	21° 6	23°31	29°44	29°17	28°43	21°54	W 5
T 6	9 28 47	23°47'21	4♌56	9°29	18°49	18°57	16°22	28°19	3°27	21° 8	23°31	29°33	29°14	28°50	21°59	T 6
F 7	9 32 43	24°47'38	17°14	11° 7	20° 2	18°33	16°20	28°23	3°30	21°10	23°30	29°20	29°11	28°57	22° 4	F 7
S 8	9 36 40	25°47'54	29°24	12°47	21°15	18°10	16°17	28°28	3°32	21°12	23°30	29° 5	29° 8	29° 3	22° 8	S 8
S 9	9 40 36	26°48'07	11♍27	14°28	22°27	17°47	16°15	28°33	3°35	21°14	23°29	28°51	29° 4	29°10	22°13	S 9
M10	9 44 33	27°48'19	23°23	16°10	23°40	17°24	16°12	28°38	3°38	21°16	23°29	28°38	29° 1	29°17	22°18	M10
T 11	9 48 29	28°48'30	5♎15	17°52	24°54	17° 1	16° 8	28°43	3°41	21°18	23°28	28°27	28°58	29°23	22°22	T 11
W12	9 52 26	29°48'38	17° 4	19°36	26° 7	16°39	16° 5	28°48	3°44	21°19	23°28	28°18	28°55	29°30	22°27	W12
T 13	9 56 23	0♓48'45	28°55	21°21	27°20	16°17	16° 2	28°54	3°47	21°21	23°28	28°13	28°52	29°37	22°31	T 13
F 14	10 0 19	1°48'50	10♏50	23° 7	28°33	15°56	15°58	28°59	3°50	21°23	23°27	28°10	28°48	29°44	22°35	F 14
S 15	10 4 16	2°48'54	22°55	24°54	29°46	15°35	15°54	29° 4	3°53	21°25	23°27	28°10	28°45	29°50	22°40	S 15
S 16	10 8 12	3°48'56	5♐15	26°43	0♒59	15°15	15°50	29°10	3°56	21°27	23°27	28° 9	28°42	29°57	22°44	S 16
M17	10 12 9	4°48'56	17°55	28°32	2°12	14°55	15°46	29°15	3°59	21°29	23°26	28° 9	28°39	0♎ 4	22°48	M17
T 18	10 16 5	5°48'55	1♑ 1	0♓22	3°25	14°35	15°42	29°21	4° 2	21°30	23°26	28° 7	28°36	0°10	22°53	T 18
W19	10 20 2	6°48'52	14°35	2°14	4°38	14°17	15°37	29°27	4° 6	21°32	23°26	28° 3	28°33	0°17	22°57	W19
T 20	10 23 58	7°48'48	28°39	4° 6	5°52	13°58	15°33	29°32	4° 9	21°34	23°26	27°56	28°29	0°24	23° 1	T 20
F 21	10 27 55	8°48'41	13♒12	6° 0	7° 5	13°41	15°28	29°38	4°12	21°36	23°25	27°46	28°26	0°30	23° 5	F 21
S 22	10 31 52	9°48'33	28° 8	7°55	8°18	13°24	15°23	29°44	4°15	21°37	23°25	27°35	28°23	0°37	23° 9	S 22
S 23	10 35 48	10°48'23	13♓19	9°51	9°31	13° 8	15°18	29°50	4°18	21°39	23°25	27°24	28°20	0°44	23°13	S 23
M24	10 39 45	11°48'10	28°34	11°47	10°45	12°53	15°12	29°56	4°22	21°41	23°25	27°14	28°17	0°51	23°17	M24
T 25	10 43 41	12°47'56	13♈43	13°45	11°58	12°38	15° 7	0♉ 2	4°25	21°42	23°25	27° 6	28°14	0°57	23°21	T 25
W26	10 47 38	13°47'39	28°35	15°44	13°11	12°24	15° 2	0° 8	4°28	21°44	23°25	27° 0	28°10	1° 4	23°25	W26
T 27	10 51 34	14°47'20	13♉ 4	17°43	14°24	12°11	14°56	0°14	4°31	21°45	23°25	26°58	28° 7	1°11	23°29	T 27
F 28	10 55 31	15♓46'59	27♉ 8	19♓43	15♒38	11♌58	14♎50	0♉21	4♈35	21♉47	23♊25	26°D57	28♏ 4	1♎17	23♉33	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s16	20n21	0s 4	21s35	1s42	22s15	0n41	18n52	4n32	5s 8	1n30	8n37	2s20	0n40	0s40	21s31	0n24	18n53	4s31	20s15	20s 8	3s27	15s55	5n57
S 2	14 57	21 22	1 14	21 17	1 46	22 11	0 37	19 0	4 32	5 7	1 31	8 39	2 19	0 41	0 40	21 31	0 24	18 53	4 30	20 14	20 7	3 29	15 55	5 57
M 3	14 38	21 13	2 18	20 58	1 50	22 7	0 34	19 8	4 32	5 6	1 31	8 40	2 19	0 42	0 40	21 30	0 24	18 53	4 30	20 14	20 7	3 31	15 54	5 58
T 4	14 19	19 57	3 14	20 38	1 54	22 2	0 31	19 15	4 32	5 5	1 31	8 42	2 19	0 43	0 40	21 30	0 24	18 53	4 30	20 13	20 6	3 34	15 53	5 58
W 5	13 59	17 43	3 59	20 16	1 57	21 56	0 27	19 22	4 31	5 4	1 31	8 44	2 19	0 45	0 40	21 30	0 24	18 53	4 30	20 11	20 5	3 36	15 52	5 58
T 6	13 39	14 42	4 33	19 53	1 59	21 49	0 24	19 29	4 31	5 3	1 32	8 46	2 18	0 46	0 40	21 29	0 24	18 54	4 30	20 9	20 4	3 38	15 51	5 58
F 7	13 19	11 5	4 53	19 28	2 2	21 42	0 21	19 36	4 30	5 2	1 32	8 48	2 18	0 47	0 40	21 29	0 24	18 54	4 30	20 6	20 4	3 41	15 50	5 59
S 8	12 59	7 3	4 59	19 1	2 4	21 34	0 18	19 43	4 29	5 1	1 32	8 50	2 18	0 48	0 40	21 29	0 24	18 54	4 30	20 3	20 3	3 43	15 49	5 59
S 9	12 38	2 48	4 52	18 34	2 5	21 26	0 14	19 50	4 29	5 0	1 32	8 52	2 18	0 49	0 40	21 28	0 24	18 54	4 29	19 59	20 2	3 45	15 48	5 59
M10	12 17	1s32	4 32	18 4	2 6	21 17	0 11	19 56	4 28	4 58	1 33	8 54	2 17	0 50	0 40	21 28	0 24	18 54	4 29	19 57	20 2	3 47	15 47	5 59
T 11	11 56	5 47	4 1	17 33	2 7	21 7	0 8	20 2	4 27	4 57	1 33	8 56	2 17	0 52	0 40	21 28	0 24	18 54	4 29	19 54	20 1	3 50	15 46	6 0
W12	11 35	9 47	3 19	17 1	2 7	20 57	0 5	20 8	4 26	4 56	1 33	8 58	2 17	0 53	0 40	21 28	0 23	18 54	4 29	19 52	20 0	3 52	15 45	6 0
T 13	11 14	13 26	2 28	16 27	2 7	20 46	0 2	20 13	4 24	4 54	1 33	9 0	2 17	0 54	0 40	21 27	0 23	18 54	4 29	19 51	20 0	3 54	15 44	6 0
F 14	10 53	16 34	1 30	15 52	2 7	20 34	0s 2	20 19	4 23	4 52	1 33	9 2	2 16	0 55	0 40	21 27	0 23	18 55	4 29	19 50	19 59	3 56	15 43	6 0
S 15	10 31	19 2	0 28	15 15	2 6	20 22	0 5	20 24	4 22	4 51	1 34	9 4	2 16	0 56	0 40	21 27	0 23	18 55	4 29	19 50	19 58	3 59	15 42	6 1
S 16	10 9	20 39	0n37	14 37	2 4	20 9	0 8	20 29	4 20	4 49	1 34	9 6	2 16	0 58	0 40	21 26	0 23	18 55	4 28	19 50	19 58	4 1	15 41	6 1
M17	9 47	21 17	1 43	13 57	2 2	19 56	0 11	20 33	4 19	4 47	1 34	9 9	2 16	0 59	0 40	21 26	0 23	18 55	4 28	19 50	19 57	4 3	15 40	6 1
T 18	9 25	20 48	2 44	13 15	2 0	19 42	0 14	20 37	4 17	4 45	1 34	9 11	2 15	1 0	0 40	21 26	0 23	18 55	4 28	19 50	19 56	4 5	15 39	6 2
W19	9 3	19 7	3 39	12 32	1 57	19 27	0 17	20 41	4 15	4 43	1 34	9 13	2 15	1 1	0 40	21 26	0 23	18 55	4 28	19 49	19 55	4 8	15 38	6 2
T 20	8 41	16 14	4 23	11 48	1 53	19 12	0 20	20 45	4 14	4 41	1 35	9 15	2 15	1 3	0 40	21 25	0 23	18 55	4 28	19 47	19 55	4 10	15 37	6 2
F 21	8 18	12 16	4 51	11 2	1 49	18 57	0 22	20 48	4 12	4 39	1 35	9 17	2 15	1 4	0 40	21 25	0 23	18 56	4 28	19 45	19 54	4 12	15 36	6 3
S 22	7 55	7 28	5 1	10 15	1 45	18 41	0 25	20 52	4 10	4 37	1 35	9 20	2 15	1 5	0 40	21 25	0 23	18 56	4 27	19 43	19 53	4 14	15 35	6 3
S 23	7 33	2 8	4 50	9 27	1 39	18 24	0 28	20 54	4 8	4 35	1 35	9 22	2 14	1 7	0 40	21 25	0 23	18 56	4 27	19 40	19 53	4 17	15 34	6 3
M24	7 10	3n22	4 18	8 37	1 34	18 7	0 31	20 57	4 6	4 33	1 35	9 24	2 14	1 8	0 40	21 24	0 23	18 56	4 27	19 38	19 52	4 19	15 33	6 4
T 25	6 47	8 37	3 28	7 46	1 27	17 49	0 34	20 59	4 4	4 31	1 36	9 27	2 14	1 9	0 40	21 24	0 23	18 56	4 27	19 36	19 51	4 21	15 32	6 4
W26	6 24	13 16	2 24	6 53	1 21	17 31	0 36	21 1	4 2	4 28	1 36	9 29	2 14	1 10	0 40	21 24	0 23	18 56	4 27	19 35	19 50	4 23	15 31	6 4
T 27	6 1	16 59	1 13	6 0	1 13	17 12	0 39	21 3	4 0	4 26	1 36	9 31	2 14	1 12	0 40	21 24	0 23	18 56	4 27	19 34	19 50	4 26	15 30	6 5
F 28	5s38	19n35	0s 1	5s 5	1s 5	16s53	0s41	21n 4	3n57	4s24	1n36	9n34	2s13	1n13	0s40	21s23	0n23	18n57	4s27	19s34	19s49	4s28	15s29	6n 5

Julian Day Number = 2150257.5, Delta T = 14m17s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'19, Lahiri = 12°21'19 Julian Calendar 1 Feb. 1175 == Greg. Calendar 8 Feb. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

MARCH 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 59 27	16♓46'36	10♊47	21♓43	16♒51	11°R46	14°R44	0♉27	4♈38	21♑48	23°D25	26°R57	28♏ 1	1♎24	23♑36	S 1
S 2	11 3 24	17°46'10	24° 2	23°43	18° 4	11♌36	14♎38	0°33	4°41	21°50	23♊25	26♏57	27°58	1°31	23°40	S 2
M 3	11 7 21	18°45'42	6♋57	25°44	19°18	11°25	14°32	0°40	4°45	21°51	23°25	26°56	27°54	1°37	23°44	M 3
T 4	11 11 17	19°45'11	19°35	27°44	20°31	11°16	14°26	0°46	4°48	21°53	23°25	26°52	27°51	1°44	23°47	T 4
W 5	11 15 14	20°44'38	1♌59	29°44	21°44	11° 8	14°19	0°53	4°51	21°54	23°25	26°46	27°48	1°51	23°51	W 5
T 6	11 19 10	21°44'03	14°14	1♈43	22°57	11° 0	14°13	0°59	4°55	21°55	23°25	26°37	27°45	1°58	23°54	T 6
F 7	11 23 7	22°43'25	26°20	3°41	24°11	10°53	14° 6	1° 6	4°58	21°57	23°25	26°26	27°42	2° 4	23°57	F 7
S 8	11 27 3	23°42'46	8♍20	5°38	25°24	10°47	13°59	1°13	5° 1	21°58	23°25	26°14	27°39	2°11	24° 1	S 8
S 9	11 31 0	24°42'04	20°16	7°33	26°37	10°41	13°52	1°19	5° 5	21°59	23°25	26° 1	27°35	2°18	24° 4	S 9
M10	11 34 56	25°41'20	2♎ 8	9°25	27°51	10°37	13°46	1°26	5° 8	22° 1	23°26	25°50	27°32	2°24	24° 7	M10
T 11	11 38 53	26°40'34	13°58	11°15	29° 4	10°33	13°39	1°33	5°12	22° 2	23°26	25°41	27°29	2°31	24°10	T 11
W12	11 42 50	27°39'46	25°49	13° 1	0♓17	10°30	13°31	1°40	5°15	22° 3	23°26	25°34	27°26	2°38	24°14	W12
T 13	11 46 46	28°38'56	7♏42	14°45	1°31	10°27	13°24	1°47	5°18	22° 4	23°26	25°30	27°23	2°44	24°17	T 13
F 14	11 50 43	29°38'04	19°40	16°24	2°44	10°26	13°17	1°54	5°22	22° 5	23°27	25°29	27°19	2°51	24°20	F 14
S 15	11 54 39	0♈37'10	1♐48	17°59	3°58	10°25	13°10	2° 1	5°25	22° 7	23°27	25°D29	27°16	2°58	24°22	S 15
S 16	11 58 36	1°36'15	14° 9	19°29	5°11	10°D25	13° 2	2° 8	5°29	22° 8	23°27	25°29	27°13	3° 5	24°25	S 16
M17	12 2 32	2°35'17	26°47	20°55	6°24	10°26	12°55	2°15	5°32	22° 9	23°28	25°R30	27°10	3°11	24°28	M17
T 18	12 6 29	3°34'18	9♑48	22°16	7°38	10°27	12°47	2°22	5°35	22°10	23°28	25°30	27° 7	3°18	24°31	T 18
W19	12 10 25	4°33'17	23°15	23°31	8°51	10°29	12°40	2°29	5°39	22°11	23°28	25°29	27° 4	3°25	24°33	W19
T 20	12 14 22	5°32'15	7♒10	24°40	10° 5	10°32	12°32	2°36	5°42	22°12	23°29	25°25	27° 0	3°31	24°36	T 20
F 21	12 18 18	6°31'10	21°34	25°44	11°18	10°35	12°25	2°44	5°46	22°13	23°29	25°19	26°57	3°38	24°39	F 21
S 22	12 22 15	7°30'04	6♓23	26°41	12°31	10°40	12°17	2°51	5°49	22°13	23°30	25°13	26°54	3°45	24°41	S 22
S 23	12 26 12	8°28'55	21°30	27°33	13°45	10°44	12°10	2°58	5°53	22°14	23°30	25° 5	26°51	3°51	24°43	S 23
M24	12 30 8	9°27'45	6♈47	28°18	14°58	10°50	12° 2	3° 6	5°56	22°15	23°31	24°59	26°48	3°58	24°46	M24
T 25	12 34 5	10°26'33	22° 2	28°57	16°12	10°56	11°54	3°13	6° 0	22°16	23°31	24°53	26°45	4° 5	24°48	T 25
W26	12 38 1	11°25'19	7♉ 4	29°30	17°25	11° 3	11°46	3°20	6° 3	22°17	23°32	24°50	26°41	4°11	24°50	W26
T 27	12 41 58	12°24'02	21°46	29°56	18°38	11°10	11°39	3°28	6° 6	22°18	23°32	24°D49	26°38	4°18	24°52	T 27
F 28	12 45 54	13°22'44	6♊ 3	0♉16	19°52	11°18	11°31	3°35	6°10	22°18	23°33	24°49	26°35	4°25	24°54	F 28
S 29	12 49 51	14°21'23	19°53	0°30	21° 5	11°27	11°23	3°43	6°13	22°19	23°34	24°51	26°32	4°32	24°56	S 29
S 30	12 53 47	15°20'00	3♋15	0°37	22°19	11°37	11°16	3°50	6°17	22°20	23°34	24°52	26°29	4°38	24°58	S 30
M31	12 57 44	16♈18'35	16♋14	0°R38	23♓32	11♌46	11♎ 8	3♉58	6♈20	22♑20	23♊35	24°R53	26♏25	4♎45	25♑ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s15	20n58	1s13	4s10	0s57	16s33	0s44	21n 6	3n55	4s21	1n36	9n36	2s13	1n14	0s40	21s23	0n23	18n57	4s26	19s34	19s48	4s30	15s28	6n 5	S 1
S 2	4 51	21 6	2 19	3 14	0 48	16 13	0 46	21 7	3 53	4 19	1 36	9 38	2 13	1 16	0 40	21 23	0 23	18 57	4 26	19 34	19 48	4 32	15 27	6 6	S 2
M 3	4 28	20 6	3 16	2 17	0 38	15 53	0 49	21 7	3 51	4 16	1 36	9 41	2 13	1 17	0 40	21 23	0 23	18 57	4 26	19 33	19 47	4 35	15 26	6 6	M 3
T 4	4 5	18 7	4 2	1 20	0 28	15 32	0 51	21 8	3 48	4 14	1 37	9 43	2 13	1 18	0 40	21 22	0 23	18 57	4 26	19 33	19 46	4 37	15 25	6 7	T 4
W 5	3 41	15 20	4 35	0 22	0 17	15 10	0 54	21 8	3 46	4 11	1 37	9 46	2 12	1 20	0 40	21 22	0 23	18 57	4 26	19 31	19 45	4 39	15 24	6 7	W 5
T 6	3 18	11 55	4 56	0n35	0 6	14 48	0 56	21 8	3 44	4 8	1 37	9 48	2 12	1 21	0 40	21 22	0 23	18 58	4 26	19 29	19 45	4 41	15 23	6 7	T 6
F 7	2 54	8 3	5 3	1 33	0n 5	14 26	0 58	21 7	3 41	4 6	1 37	9 51	2 12	1 22	0 40	21 22	0 23	18 58	4 25	19 26	19 44	4 43	15 22	6 8	F 7
S 8	2 30	3 54	4 56	2 30	0 16	14 3	1 0	21 7	3 39	4 3	1 37	9 53	2 12	1 24	0 40	21 21	0 23	18 58	4 25	19 24	19 43	4 46	15 21	6 8	S 8
S 9	2 7	0s22	4 37	3 26	0 28	13 40	1 2	21 6	3 37	4 0	1 37	9 56	2 12	1 25	0 40	21 21	0 23	18 58	4 25	19 21	19 43	4 48	15 20	6 9	S 9
M10	1 43	4 36	4 5	4 22	0 40	13 17	1 4	21 5	3 34	3 58	1 37	9 58	2 12	1 27	0 40	21 21	0 23	18 58	4 25	19 18	19 42	4 50	15 19	6 9	M10
T 11	1 20	8 39	3 23	5 16	0 52	12 53	1 6	21 4	3 32	3 55	1 37	10 1	2 11	1 28	0 40	21 21	0 23	18 58	4 25	19 16	19 41	4 52	15 18	6 9	T 11
W12	0 56	12 22	2 32	6 9	1 5	12 29	1 8	21 2	3 29	3 52	1 37	10 3	2 11	1 29	0 40	21 21	0 23	18 59	4 25	19 14	19 40	4 54	15 18	6 10	W12
T 13	0 32	15 37	1 34	7 1	1 17	12 4	1 10	21 1	3 27	3 49	1 37	10 6	2 11	1 31	0 40	21 21	0 23	18 59	4 24	19 13	19 40	4 57	15 17	6 10	T 13
F 14	0 9	18 14	0 31	7 50	1 28	11 39	1 12	20 59	3 25	3 46	1 38	10 8	2 11	1 32	0 40	21 20	0 23	18 59	4 24	19 13	19 39	4 59	15 16	6 11	F 14
S 15	0n15	20 3	0n34	8 37	1 40	11 14	1 13	20 57	3 22	3 43	1 38	10 11	2 11	1 33	0 40	21 20	0 23	18 59	4 24	19 13	19 38	5 1	15 15	6 11	S 15
S 16	0 38	20 58	1 39	9 22	1 51	10 49	1 15	20 54	3 20	3 40	1 38	10 13	2 11	1 35	0 40	21 20	0 23	18 59	4 24	19 13	19 37	5 3	15 14	6 12	S 16
M17	1 2	20 50	2 40	10 5	2 2	10 23	1 17	20 52	3 17	3 37	1 38	10 16	2 11	1 36	0 40	21 20	0 23	18 59	4 24	19 13	19 37	5 5	15 13	6 12	M17
T 18	1 26	19 36	3 35	10 45	2 12	9 57	1 18	20 49	3 15	3 34	1 38	10 18	2 10	1 37	0 40	21 20	0 23	19 0	4 24	19 13	19 36	5 8	15 12	6 12	T 18
W19	1 49	17 15	4 21	11 22	2 22	9 31	1 19	20 46	3 12	3 31	1 38	10 21	2 10	1 39	0 40	21 19	0 23	19 0	4 24	19 13	19 35	5 10	15 11	6 13	W19
T 20	2 13	13 51	4 52	11 56	2 30	9 4	1 21	20 43	3 10	3 28	1 38	10 24	2 10	1 40	0 40	21 19	0 23	19 0	4 23	19 12	19 35	5 12	15 10	6 13	T 20
F 21	2 36	9 32	5 7	12 27	2 39	8 37	1 22	20 40	3 8	3 25	1 38	10 26	2 10	1 42	0 40	21 19	0 23	19 0	4 23	19 11	19 34	5 14	15 9	6 14	F 21
S 22	2 59	4 32	5 2	12 55	2 46	8 10	1 23	20 37	3 5	3 22	1 38	10 29	2 10	1 43	0 40	21 19	0 23	19 0	4 23	19 9	19 33	5 16	15 9	6 14	S 22
S 23	3 23	0n51	4 36	13 19	2 52	7 43	1 24	20 33	3 3	3 19	1 38	10 31	2 10	1 44	0 40	21 19	0 23	19 0	4 23	19 7	19 32	5 19	15 8	6 15	S 23
M24	3 46	6 13	3 50	13 41	2 57	7 16	1 26	20 29	3 1	3 16	1 38	10 34	2 10	1 46	0 40	21 19	0 23	19 1	4 23	19 6	19 32	5 21	15 7	6 15	M24
T 25	4 9	11 13	2 48	13 59	3 1	6 48	1 27	20 25	2 58	3 13	1 38	10 37	2 10	1 47	0 40	21 19	0 23	19 1	4 23	19 4	19 31	5 23	15 6	6 16	T 25
W26	4 32	15 25	1 35	14 13	3 5	6 20	1 28	20 21	2 56	3 10	1 38	10 39	2 9	1 48	0 40	21 18	0 23	19 1	4 22	19 4	19 30	5 25	15 5	6 16	W26
T 27	4 55	18 33	0 17	14 24	3 6	5 52	1 28	20 17	2 54	3 7	1 38	10 42	2 9	1 50	0 40	21 18	0 23	19 1	4 22	19 3	19 29	5 27	15 4	6 17	T 27
F 28	5 18	20 25	1s 1	14 32	3 7	5 24	1 29	20 12	2 51	3 4	1 38	10 45	2 9	1 51	0 40	21 18	0 23	19 1	4 22	19 3	19 29	5 30	15 3	6 17	F 28
S 29	5 41	20 58	2 12	14 36	3 6	4 55	1 30	20 8	2 49	3 1	1 38	10 47	2 9	1 53	0 40	21 18	0 23	19 2	4 22	19 4	19 28	5 32	15 3	6 18	S 29
S 30	6 4	20 17	3 14	14 37	3 4	4 27	1 31	20 3	2 47	2 59	1 38	10 50	2 9	1 54	0 40	21 18	0 23	19 2	4 22	19 4	19 27	5 34	15 2	6 18	S 30
M31	6n26	18n32	4s 3	14n34	3n 1	3s58	1s31	19n58	2n45	2s56	1n38	10n52	2s 9	1n55	0s40	21s18	0n23	19n 2	4s22	19s 4	19s26	5s36	15s 1	6n19	M31

Julian Day Number = 2150285.5, Delta T = 14m16s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'22, Lahiri = 12°21'23 Julian Calendar 1 March 1175 == Greg. Calendar 8 March 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

APRIL 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 1 41	17♈17'07	28♋52	0°R34	24♓46	11♌57	11°R 0	4♉ 5	6♈23	22♑21	23♊36	24°R52	26♏22	4♎52	25♑ 2	T 1
W 2	13 5 37	18°15'37	11♌13	0♉23	25°59	12° 8	10♎53	4°13	6°27	22°21	23°36	24♏49	26°19	4°58	25° 4	W 2
T 3	13 9 34	19°14'05	23°22	0° 8	27°12	12°20	10°45	4°21	6°30	22°22	23°37	24°46	26°16	5° 5	25° 5	T 3
F 4	13 13 30	20°12'31	5♍22	29♈47	28°26	12°32	10°38	4°28	6°34	22°22	23°38	24°40	26°13	5°12	25° 7	F 4
S 5	13 17 27	21°10'55	17°16	29°22	29°39	12°44	10°30	4°36	6°37	22°23	23°38	24°34	26°10	5°18	25° 8	S 5
S 6	13 21 23	22° 9'17	29° 8	28°53	0♈53	12°58	10°23	4°43	6°40	22°23	23°39	24°28	26° 6	5°25	25°10	S 6
M 7	13 25 20	23° 7'36	10♎58	28°21	2° 6	13°11	10°15	4°51	6°44	22°24	23°40	24°23	26° 3	5°32	25°11	M 7
T 8	13 29 16	24° 5'54	22°50	27°45	3°19	13°25	10° 8	4°59	6°47	22°24	23°41	24°19	26° 0	5°38	25°13	T 8
W 9	13 33 13	25° 4'10	4♏45	27° 8	4°33	13°40	10° 1	5° 7	6°50	22°24	23°42	24°16	25°57	5°45	25°14	W 9
T 10	13 37 10	26° 2'24	16°45	26°29	5°46	13°55	9°54	5°14	6°53	22°25	23°43	24°14	25°54	5°52	25°15	T 10
F 11	13 41 6	27° 0'37	28°52	25°50	7° 0	14°11	9°47	5°22	6°57	22°25	23°43	24°D14	25°50	5°59	25°16	F 11
S 12	13 45 3	27°58'48	11♐ 9	25°11	8°13	14°27	9°40	5°30	7° 0	22°25	23°44	24°15	25°47	6° 5	25°17	S 12
S 13	13 48 59	28°56'57	23°38	24°32	9°26	14°44	9°33	5°37	7° 3	22°25	23°45	24°16	25°44	6°12	25°18	S 13
M14	13 52 56	29°55'05	6♑23	23°55	10°40	15° 0	9°26	5°45	7° 7	22°25	23°46	24°18	25°41	6°19	25°19	M14
T 15	13 56 52	0♉53'11	19°26	23°20	11°53	15°18	9°19	5°53	7°10	22°25	23°47	24°19	25°38	6°25	25°19	T 15
W16	14 0 49	1°51'16	2♒51	22°47	13° 7	15°36	9°12	6° 1	7°13	22°26	23°48	24°R19	25°35	6°32	25°20	W16
T 17	14 4 45	2°49'20	16°38	22°18	14°20	15°54	9° 6	6° 8	7°16	22°26	23°49	24°19	25°31	6°39	25°21	T 17
F 18	14 8 42	3°47'22	0♓49	21°52	15°33	16°13	8°59	6°16	7°19	22°R26	23°50	24°17	25°28	6°45	25°21	F 18
S 19	14 12 39	4°45'22	15°22	21°29	16°47	16°32	8°53	6°24	7°22	22°26	23°51	24°15	25°25	6°52	25°22	S 19
S 20	14 16 35	5°43'22	0♈12	21°11	18° 0	16°51	8°47	6°32	7°26	22°26	23°52	24°13	25°22	6°59	25°22	S 20
M21	14 20 32	6°41'19	15°13	20°58	19°14	17°11	8°41	6°40	7°29	22°26	23°53	24°11	25°19	7° 5	25°23	M21
T 22	14 24 28	7°39'16	0♉17	20°48	20°27	17°31	8°35	6°47	7°32	22°25	23°54	24° 9	25°16	7°12	25°23	T 22
W23	14 28 25	8°37'11	15°14	20°D44	21°41	17°52	8°29	6°55	7°35	22°25	23°55	24° 8	25°12	7°19	25°23	W23
T 24	14 32 21	9°35'04	29°56	20°44	22°54	18°13	8°23	7° 3	7°38	22°25	23°56	24°D 8	25° 9	7°26	25°23	T 24
F 25	14 36 18	10°32'56	14♊18	20°48	24° 7	18°34	8°17	7°11	7°41	22°25	23°58	24° 9	25° 6	7°32	25°R23	F 25
S 26	14 40 14	11°30'46	28°14	20°58	25°21	18°56	8°12	7°19	7°44	22°25	23°59	24°10	25° 3	7°39	25°23	S 26
S 27	14 44 11	12°28'34	11♋44	21°11	26°34	19°17	8° 7	7°26	7°47	22°24	24° 0	24°11	25° 0	7°46	25°23	S 27
M28	14 48 8	13°26'21	24°49	21°30	27°48	19°40	8° 2	7°34	7°50	22°24	24° 1	24°11	24°56	7°52	25°23	M28
T 29	14 52 4	14°24'06	7♌32	21°52	29° 1	20° 2	7°56	7°42	7°53	22°24	24° 2	24°12	24°53	7°59	25°23	T 29
W30	14 56 1	15♉21'49	19♌55	22♈19	0♉14	20♌25	7♎52	7♉50	7♈56	22♑23	24♊ 3	24°R12	24♏50	8♎ 6	25♑22	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n49	15n55	4s40	14n28	2n56	3s30	1s32	19n53	2n43	2s53	1n38	10n55	2s 9	1n57	0s40	21s18	0n24	19n 2	4s22	19s 4	19s26	5s38	15s 0	6n19
W 2	7 11	12 38	5 2	14 18	2 50	3 1	1 32	19 48	2 40	2 50	1 38	10 58	2 9	1 58	0 40	21 18	0 24	19 2	4 21	19 3	19 25	5 40	14 59	6 19
T 3	7 34	8 53	5 11	14 6	2 42	2 32	1 33	19 42	2 38	2 47	1 38	11 0	2 9	1 59	0 40	21 18	0 24	19 2	4 21	19 3	19 24	5 43	14 59	6 20
F 4	7 56	4 50	5 6	13 50	2 33	2 3	1 33	19 37	2 36	2 44	1 38	11 3	2 9	2 1	0 40	21 18	0 24	19 3	4 21	19 1	19 23	5 45	14 58	6 20
S 5	8 18	0 38	4 47	13 31	2 23	1 34	1 33	19 31	2 34	2 41	1 37	11 6	2 8	2 2	0 40	21 17	0 24	19 3	4 21	19 0	19 23	5 47	14 57	6 21
S 6	8 40	3s34	4 17	13 10	2 11	1 5	1 33	19 25	2 32	2 38	1 37	11 8	2 8	2 3	0 40	21 17	0 24	19 3	4 21	18 58	19 22	5 49	14 56	6 21
M 7	9 2	7 39	3 35	12 46	1 58	0 35	1 33	19 19	2 30	2 35	1 37	11 11	2 8	2 5	0 40	21 17	0 24	19 3	4 21	18 57	19 21	5 51	14 56	6 22
T 8	9 23	11 27	2 44	12 21	1 45	0 6	1 33	19 13	2 28	2 33	1 37	11 14	2 8	2 6	0 40	21 17	0 24	19 3	4 21	18 56	19 20	5 53	14 55	6 22
W 9	9 45	14 48	1 45	11 53	1 30	0n23	1 33	19 7	2 26	2 30	1 37	11 16	2 8	2 7	0 40	21 17	0 24	19 4	4 20	18 55	19 20	5 55	14 54	6 23
T 10	10 6	17 34	0 41	11 25	1 14	0 52	1 33	19 1	2 24	2 27	1 37	11 19	2 8	2 8	0 40	21 17	0 24	19 4	4 20	18 55	19 19	5 58	14 54	6 23
F 11	10 27	19 35	0n25	10 55	0 58	1 22	1 33	18 54	2 22	2 24	1 37	11 21	2 8	2 10	0 40	21 17	0 24	19 4	4 20	18 55	19 18	6 0	14 53	6 24
S 12	10 48	20 42	1 32	10 25	0 41	1 51	1 33	18 48	2 20	2 22	1 37	11 24	2 8	2 11	0 40	21 17	0 24	19 4	4 20	18 55	19 17	6 2	14 52	6 24
S 13	11 9	20 49	2 35	9 55	0 24	2 20	1 33	18 41	2 18	2 19	1 37	11 27	2 8	2 12	0 40	21 17	0 24	19 4	4 20	18 55	19 17	6 4	14 52	6 25
M14	11 30	19 52	3 32	9 26	0 7	2 50	1 32	18 34	2 16	2 17	1 36	11 29	2 8	2 14	0 40	21 17	0 24	19 4	4 20	18 56	19 16	6 6	14 51	6 25
T 15	11 50	17 52	4 19	8 57	0s10	3 19	1 32	18 27	2 14	2 14	1 36	11 32	2 8	2 15	0 40	21 17	0 24	19 5	4 20	18 56	19 15	6 8	14 50	6 26
W16	12 10	14 51	4 54	8 29	0 27	3 48	1 31	18 20	2 12	2 12	1 36	11 34	2 8	2 16	0 40	21 17	0 24	19 5	4 19	18 56	19 14	6 10	14 50	6 26
T 17	12 30	10 57	5 12	8 3	0 44	4 17	1 31	18 12	2 10	2 9	1 36	11 37	2 8	2 17	0 40	21 17	0 24	19 5	4 19	18 56	19 14	6 13	14 49	6 27
F 18	12 50	6 21	5 13	7 38	1 0	4 46	1 30	18 5	2 8	2 7	1 36	11 40	2 8	2 19	0 40	21 17	0 24	19 5	4 19	18 56	19 13	6 15	14 49	6 27
S 19	13 10	1 16	4 54	7 15	1 15	5 15	1 29	17 57	2 6	2 4	1 36	11 42	2 8	2 20	0 40	21 17	0 24	19 5	4 19	18 55	19 12	6 17	14 48	6 28
S 20	13 29	3n59	4 15	6 55	1 30	5 44	1 29	17 50	2 4	2 2	1 36	11 45	2 8	2 21	0 40	21 17	0 24	19 5	4 19	18 54	19 11	6 19	14 47	6 28
M21	13 48	9 4	3 19	6 36	1 44	6 12	1 28	17 42	2 2	2 0	1 35	11 47	2 8	2 22	0 40	21 17	0 24	19 6	4 19	18 54	19 11	6 21	14 47	6 29
T 22	14 7	13 37	2 8	6 21	1 57	6 41	1 27	17 34	2 1	1 58	1 35	11 50	2 8	2 24	0 40	21 17	0 24	19 6	4 19	18 54	19 10	6 23	14 46	6 29
W23	14 26	17 15	0 49	6 8	2 10	7 9	1 26	17 26	1 59	1 55	1 35	11 53	2 7	2 25	0 40	21 17	0 24	19 6	4 19	18 53	19 9	6 25	14 46	6 30
T 24	14 45	19 42	0s32	5 57	2 21	7 38	1 25	17 18	1 57	1 53	1 35	11 55	2 7	2 26	0 40	21 17	0 24	19 6	4 18	18 53	19 8	6 27	14 45	6 30
F 25	15 3	20 48	1 49	5 49	2 32	8 6	1 24	17 9	1 55	1 51	1 35	11 58	2 7	2 27	0 40	21 17	0 24	19 6	4 18	18 53	19 7	6 30	14 45	6 31
S 26	15 21	20 34	2 58	5 44	2 41	8 34	1 23	17 1	1 54	1 49	1 34	12 0	2 7	2 28	0 40	21 17	0 24	19 6	4 18	18 54	19 7	6 32	14 44	6 31
S 27	15 39	19 8	3 54	5 41	2 50	9 2	1 21	16 52	1 52	1 47	1 34	12 3	2 7	2 29	0 40	21 17	0 24	19 7	4 18	18 54	19 6	6 34	14 44	6 32
M28	15 57	16 43	4 36	5 40	2 58	9 29	1 20	16 44	1 50	1 46	1 34	12 5	2 7	2 31	0 40	21 17	0 24	19 7	4 18	18 54	19 5	6 36	14 43	6 32
T 29	16 14	13 34	5 4	5 43	3 4	9 57	1 19	16 35	1 49	1 44	1 34	12 8	2 7	2 32	0 40	21 17	0 24	19 7	4 18	18 54	19 4	6 38	14 43	6 33
W30	16n31	9n54	5s16	5n47	3s10	10n24	1s18	16n26	1n47	1s42	1n34	12n10	2s 7	2n33	0s40	21s17	0n24	19n 7	4s18	18s54	19s 4	6s40	14s43	6n33

Julian Day Number = 2150316.5, Delta T = 14m16s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'27, Lahiri = 12°21'27 Julian Calendar 1 Apr. 1175 == Greg. Calendar 8 Apr. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

MAY 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 59 57	16♉19'30	2♍ 4	22♈50	1♉28	20♌49	7°R47	7♉57	7♈59	22°R23	24♊ 5	24°R12	24♏47	8♎12	25°R22	T 1
F 2	15 3 54	17°17'10	14° 3	23°25	2°41	21°12	7♎42	8° 5	8° 1	22♑23	24° 6	24♏11	24°44	8°19	25♑21	F 2
S 3	15 7 50	18°14'48	25°55	24° 4	3°55	21°36	7°38	8°13	8° 4	22°22	24° 7	24°10	24°41	8°26	25°21	S 3
S 4	15 11 47	19°12'25	7♎45	24°47	5° 8	22° 0	7°34	8°20	8° 7	22°22	24° 8	24° 9	24°37	8°32	25°20	S 4
M 5	15 15 43	20°10'01	19°36	25°34	6°22	22°25	7°29	8°28	8°10	22°21	24° 9	24° 9	24°34	8°39	25°20	M 5
T 6	15 19 40	21° 7'34	1♏32	26°24	7°35	22°49	7°25	8°36	8°12	22°21	24°11	24° 9	24°31	8°46	25°19	T 6
W 7	15 23 36	22° 5'07	13°34	27°17	8°48	23°14	7°22	8°43	8°15	22°20	24°12	24° 8	24°28	8°52	25°18	W 7
T 8	15 27 33	23° 2'39	25°45	28°14	10° 2	23°40	7°18	8°51	8°18	22°19	24°13	24°D 8	24°25	8°59	25°17	T 8
F 9	15 31 30	24° 0'09	8♐ 6	29°15	11°15	24° 5	7°15	8°59	8°20	22°19	24°15	24°R 8	24°22	9° 6	25°16	F 9
S 10	15 35 26	24°57'38	20°39	0♉18	12°29	24°31	7°11	9° 6	8°23	22°18	24°16	24° 8	24°18	9°13	25°15	S 10
S 11	15 39 23	25°55'07	3♑25	1°24	13°42	24°57	7° 8	9°14	8°26	22°17	24°17	24° 8	24°15	9°19	25°14	S 11
M12	15 43 19	26°52'34	16°25	2°34	14°56	25°23	7° 5	9°21	8°28	22°17	24°18	24° 8	24°12	9°26	25°13	M12
T 13	15 47 16	27°50'01	29°40	3°46	16° 9	25°50	7° 2	9°29	8°31	22°16	24°20	24° 8	24° 9	9°33	25°12	T 13
W14	15 51 12	28°47'26	13♒11	5° 2	17°22	26°17	7° 0	9°36	8°33	22°15	24°21	24° 7	24° 6	9°39	25°10	W14
T 15	15 55 9	29°44'51	26°58	6°20	18°36	26°44	6°57	9°44	8°36	22°14	24°23	24°D 7	24° 2	9°46	25° 9	T 15
F 16	15 59 5	0♊42'16	11♓ 1	7°41	19°49	27°11	6°55	9°51	8°38	22°14	24°24	24° 7	23°59	9°53	25° 8	F 16
S 17	16 3 2	1°39'39	25°19	9° 5	21° 3	27°38	6°53	9°59	8°40	22°13	24°25	24° 8	23°56	9°59	25° 6	S 17
S 18	16 6 59	2°37'02	9♈49	10°32	22°16	28° 6	6°51	10° 6	8°43	22°12	24°27	24° 8	23°53	10° 6	25° 4	S 18
M19	16 10 55	3°34'25	24°27	12° 1	23°30	28°34	6°49	10°14	8°45	22°11	24°28	24° 9	23°50	10°13	25° 3	M19
T 20	16 14 52	4°31'47	9♉ 7	13°34	24°43	29° 2	6°48	10°21	8°47	22°10	24°29	24°10	23°47	10°19	25° 1	T 20
W21	16 18 48	5°29'08	23°45	15° 9	25°57	29°30	6°47	10°28	8°50	22° 9	24°31	24°R10	23°43	10°26	24°59	W21
T 22	16 22 45	6°26'29	8♊13	16°46	27°10	29°59	6°45	10°36	8°52	22° 8	24°32	24°10	23°40	10°33	24°58	T 22
F 23	16 26 41	7°23'48	22°25	18°27	28°24	0♍28	6°44	10°43	8°54	22° 7	24°34	24° 9	23°37	10°39	24°56	F 23
S 24	16 30 38	8°21'07	6♋18	20° 9	29°37	0°57	6°43	10°50	8°56	22° 6	24°35	24° 7	23°34	10°46	24°54	S 24
S 25	16 34 35	9°18'25	19°49	21°55	0♊51	1°26	6°43	10°57	8°58	22° 5	24°37	24° 5	23°31	10°53	24°52	S 25
M26	16 38 31	10°15'43	2♌56	23°43	2° 4	1°55	6°42	11° 4	9° 0	22° 4	24°38	24° 3	23°28	10°59	24°50	M26
T 27	16 42 28	11°12'59	15°42	25°34	3°18	2°25	6°42	11°12	9° 2	22° 3	24°39	24° 1	23°24	11° 6	24°47	T 27
W28	16 46 24	12°10'15	28° 8	27°27	4°31	2°55	6°D42	11°19	9° 4	22° 2	24°41	24° 0	23°21	11°13	24°45	W28
T 29	16 50 21	13° 7'29	10♍18	29°23	5°45	3°25	6°42	11°26	9° 6	22° 0	24°42	23°D59	23°18	11°19	24°43	T 29
F 30	16 54 17	14° 4'43	22°18	1♊21	6°59	3°55	6°42	11°33	9° 8	21°59	24°44	23°59	23°15	11°26	24°41	F 30
S 31	16 58 14	15♊ 1'56	4♎10	3♊21	8♊12	4♍25	6♎43	11♉40	9♈10	21♑58	24♊45	24♏ 0	23♏12	11♎33	24♑38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n48	5n54	5s14	5n54	3s15	10n51	1s16	16n17	1n45	1s40	1n33	12n13	2s 7	2n34	0s40	21s17	0n24	19n 7	4s18	18s54	19s 3	6s42	14s42	6n34
F 2	17 4	1 43	4 58	6 4	3 19	11 17	1 15	16 8	1 44	1 39	1 33	12 15	2 7	2 35	0 40	21 17	0 24	19 7	4 17	18 54	19 2	6 44	14 42	6 34
S 3	17 20	2s30	4 30	6 15	3 22	11 44	1 13	15 58	1 42	1 37	1 33	12 18	2 7	2 36	0 40	21 18	0 24	19 8	4 17	18 54	19 1	6 46	14 41	6 35
S 4	17 36	6 36	3 50	6 29	3 24	12 10	1 12	15 49	1 40	1 36	1 33	12 20	2 7	2 37	0 40	21 18	0 24	19 8	4 17	18 54	19 1	6 48	14 41	6 35
M 5	17 52	10 29	3 0	6 44	3 25	12 36	1 10	15 40	1 39	1 34	1 32	12 23	2 7	2 38	0 40	21 18	0 24	19 8	4 17	18 54	19 0	6 51	14 41	6 36
T 6	18 7	13 58	2 2	7 2	3 26	13 1	1 8	15 30	1 37	1 33	1 32	12 25	2 7	2 39	0 40	21 18	0 24	19 8	4 17	18 53	18 59	6 53	14 40	6 36
W 7	18 22	16 54	0 58	7 21	3 26	13 27	1 7	15 20	1 36	1 32	1 32	12 28	2 7	2 41	0 40	21 18	0 24	19 8	4 17	18 53	18 58	6 55	14 40	6 37
T 8	18 37	19 8	0n 9	7 42	3 25	13 52	1 5	15 10	1 34	1 30	1 32	12 30	2 7	2 42	0 40	21 18	0 24	19 8	4 17	18 53	18 57	6 57	14 40	6 37
F 9	18 51	20 30	1 17	8 5	3 23	14 16	1 3	15 0	1 33	1 29	1 31	12 32	2 7	2 43	0 40	21 18	0 24	19 9	4 17	18 53	18 57	6 59	14 39	6 38
S 10	19 5	20 51	2 22	8 30	3 21	14 41	1 1	14 50	1 31	1 28	1 31	12 35	2 7	2 44	0 40	21 18	0 24	19 9	4 17	18 53	18 56	7 1	14 39	6 38
S 11	19 19	20 9	3 21	8 56	3 18	15 5	0 59	14 40	1 30	1 27	1 31	12 37	2 7	2 45	0 40	21 18	0 24	19 9	4 17	18 53	18 55	7 3	14 39	6 39
M12	19 33	18 22	4 11	9 23	3 14	15 28	0 58	14 30	1 28	1 26	1 31	12 40	2 8	2 46	0 40	21 18	0 24	19 9	4 16	18 53	18 54	7 5	14 39	6 39
T 13	19 46	15 36	4 49	9 52	3 9	15 51	0 56	14 19	1 27	1 25	1 30	12 42	2 8	2 47	0 40	21 19	0 24	19 9	4 16	18 53	18 53	7 7	14 38	6 40
W14	19 59	11 57	5 12	10 22	3 4	16 14	0 54	14 9	1 25	1 25	1 30	12 44	2 8	2 48	0 40	21 19	0 24	19 9	4 16	18 53	18 53	7 9	14 38	6 40
T 15	20 11	7 37	5 17	10 53	2 59	16 37	0 52	13 58	1 24	1 24	1 30	12 47	2 8	2 48	0 40	21 19	0 24	19 10	4 16	18 53	18 52	7 11	14 38	6 40
F 16	20 23	2 47	5 4	11 25	2 52	16 59	0 50	13 48	1 22	1 23	1 30	12 49	2 8	2 49	0 40	21 19	0 24	19 10	4 16	18 53	18 51	7 13	14 38	6 41
S 17	20 35	2n17	4 32	11 58	2 46	17 20	0 47	13 37	1 21	1 23	1 29	12 51	2 8	2 50	0 40	21 19	0 24	19 10	4 16	18 53	18 50	7 15	14 38	6 41
S 18	20 47	7 18	3 42	12 32	2 38	17 41	0 45	13 26	1 20	1 22	1 29	12 53	2 8	2 51	0 40	21 19	0 24	19 10	4 16	18 53	18 50	7 18	14 37	6 42
M19	20 58	11 57	2 37	13 7	2 31	18 2	0 43	13 15	1 18	1 22	1 29	12 56	2 8	2 52	0 40	21 19	0 24	19 10	4 16	18 54	18 49	7 20	14 37	6 42
T 20	21 8	15 54	1 22	13 43	2 22	18 22	0 41	13 4	1 17	1 21	1 29	12 58	2 8	2 53	0 40	21 19	0 24	19 10	4 16	18 54	18 48	7 22	14 37	6 43
W21	21 19	18 50	0 2	14 19	2 13	18 42	0 39	12 52	1 15	1 21	1 28	13 0	2 8	2 54	0 40	21 20	0 24	19 10	4 16	18 54	18 47	7 24	14 37	6 43
T 22	21 29	20 30	1s17	14 56	2 4	19 1	0 37	12 41	1 14	1 21	1 28	13 2	2 8	2 55	0 40	21 20	0 24	19 11	4 16	18 54	18 46	7 26	14 37	6 43
F 23	21 38	20 50	2 30	15 33	1 55	19 20	0 34	12 29	1 13	1 21	1 28	13 5	2 8	2 56	0 40	21 20	0 24	19 11	4 15	18 53	18 46	7 28	14 37	6 44
S 24	21 48	19 51	3 33	16 11	1 45	19 38	0 32	12 18	1 11	1 21	1 28	13 7	2 8	2 56	0 40	21 20	0 24	19 11	4 15	18 53	18 45	7 30	14 37	6 44
S 25	21 57	17 46	4 21	16 48	1 34	19 56	0 30	12 6	1 10	1 21	1 27	13 9	2 8	2 57	0 40	21 20	0 24	19 11	4 15	18 53	18 44	7 32	14 37	6 45
M26	22 5	14 48	4 55	17 26	1 24	20 13	0 28	11 54	1 9	1 21	1 27	13 11	2 8	2 58	0 40	21 20	0 24	19 11	4 15	18 52	18 43	7 34	14 37	6 45
T 27	22 13	11 13	5 13	18 3	1 13	20 30	0 25	11 42	1 7	1 21	1 27	13 13	2 8	2 59	0 40	21 21	0 24	19 11	4 15	18 52	18 42	7 36	14 37	6 45
W28	22 21	7 15	5 15	18 40	1 2	20 46	0 23	11 30	1 6	1 21	1 26	13 15	2 8	2 59	0 40	21 21	0 24	19 11	4 15	18 51	18 42	7 38	14 37	6 46
T 29	22 28	3 3	5 3	19 17	0 51	21 1	0 21	11 18	1 5	1 21	1 26	13 17	2 8	3 0	0 40	21 21	0 24	19 12	4 15	18 51	18 41	7 40	14 37	6 46
F 30	22 35	1s11	4 38	19 52	0 40	21 16	0 18	11 6	1 4	1 22	1 26	13 20	2 8	3 1	0 40	21 21	0 24	19 12	4 15	18 51	18 40	7 42	14 37	6 46
S 31	22n42	5s21	4s 2	20n27	0s28	21n31	0s16	10n54	1n 2	1s22	1n26	13n22	2s 9	3n 2	0s41	21s21	0n24	19n12	4s15	18s51	18s39	7s44	14s37	6n47

Julian Day Number = 2150346.5, Delta T = 14m16s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'31, Lahiri = 12°21'31 Julian Calendar 1 May 1175 == Greg. Calendar 8 May 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

JUNE 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 2 10	15♊59'08	16♎ 0	5♊23	9♊26	4♍56	6♎43	11♉47	9♈12	21°R57	24♊47	24♏ 2	23♏ 8	11♎40	24°R36	S 1
M 2	17 6 7	16°56'20	27°53	7°28	10°39	5°26	6°44	11°53	9°13	21♑56	24°48	24° 4	23° 5	11°46	24♑34	M 2
T 3	17 10 4	17°53'31	9♏53	9°33	11°53	5°57	6°45	12° 0	9°15	21°54	24°50	24° 5	23° 2	11°53	24°31	T 3
W 4	17 14 0	18°50'42	22° 3	11°41	13° 6	6°28	6°46	12° 7	9°17	21°53	24°51	24°R 6	22°59	12° 0	24°29	W 4
T 5	17 17 57	19°47'52	4♐25	13°50	14°20	6°59	6°48	12°14	9°18	21°52	24°53	24° 5	22°56	12° 6	24°26	T 5
F 6	17 21 53	20°45'02	17° 3	15°59	15°34	7°31	6°49	12°21	9°20	21°50	24°54	24° 4	22°53	12°13	24°23	F 6
S 7	17 25 50	21°42'11	29°55	18°10	16°47	8° 2	6°51	12°27	9°22	21°49	24°56	24° 1	22°49	12°20	24°21	S 7
S 8	17 29 46	22°39'20	13♑ 4	20°21	18° 1	8°34	6°53	12°34	9°23	21°48	24°57	23°57	22°46	12°26	24°18	S 8
M 9	17 33 43	23°36'30	26°27	22°32	19°14	9° 6	6°55	12°40	9°25	21°46	24°58	23°52	22°43	12°33	24°15	M 9
T 10	17 37 39	24°33'39	10♒ 3	24°43	20°28	9°38	6°57	12°47	9°26	21°45	25° 0	23°48	22°40	12°40	24°12	T 10
W11	17 41 36	25°30'48	23°51	26°53	21°42	10°10	6°59	12°53	9°27	21°44	25° 1	23°44	22°37	12°46	24° 9	W11
T 12	17 45 33	26°27'57	7♓48	29° 3	22°55	10°42	7° 2	13° 0	9°29	21°42	25° 3	23°41	22°34	12°53	24° 7	T 12
F 13	17 49 29	27°25'06	21°52	1♋12	24° 9	11°14	7° 5	13° 6	9°30	21°41	25° 4	23°D40	22°30	13° 0	24° 4	F 13
S 14	17 53 26	28°22'16	6♈ 3	3°20	25°23	11°47	7° 8	13°12	9°31	21°39	25° 6	23°40	22°27	13° 6	24° 1	S 14
S 15	17 57 22	29°19'26	20°17	5°27	26°36	12°20	7°11	13°19	9°32	21°38	25° 7	23°41	22°24	13°13	23°58	S 15
M16	18 1 19	0♋16'37	4♉33	7°33	27°50	12°53	7°14	13°25	9°34	21°36	25° 9	23°43	22°21	13°20	23°55	M16
T 17	18 5 15	1°13'47	18°48	9°37	29° 4	13°26	7°17	13°31	9°35	21°35	25°10	23°R44	22°18	13°26	23°51	T 17
W18	18 9 12	2°10'58	2♊59	11°39	0♋18	13°59	7°21	13°37	9°36	21°33	25°12	23°43	22°14	13°33	23°48	W18
T 19	18 13 8	3° 8'10	17° 4	13°39	1°31	14°32	7°25	13°43	9°37	21°32	25°13	23°41	22°11	13°40	23°45	T 19
F 20	18 17 5	4° 5'21	0♋57	15°38	2°45	15° 6	7°28	13°49	9°38	21°30	25°15	23°38	22° 8	13°46	23°42	F 20
S 21	18 21 2	5° 2'33	14°35	17°35	3°59	15°39	7°32	13°55	9°39	21°29	25°16	23°32	22° 5	13°53	23°39	S 21
S 22	18 24 58	5°59'45	27°56	19°31	5°13	16°13	7°37	14° 1	9°39	21°27	25°18	23°25	22° 2	14° 0	23°36	S 22
M23	18 28 55	6°56'57	10♌58	21°24	6°26	16°47	7°41	14° 6	9°40	21°26	25°19	23°18	21°59	14° 6	23°32	M23
T 24	18 32 51	7°54'09	23°41	23°15	7°40	17°21	7°46	14°12	9°41	21°24	25°21	23°11	21°55	14°13	23°29	T 24
W25	18 36 48	8°51'21	6♍ 7	25° 5	8°54	17°55	7°50	14°18	9°42	21°23	25°22	23° 5	21°52	14°20	23°26	W25
T 26	18 40 44	9°48'34	18°17	26°53	10° 8	18°29	7°55	14°23	9°42	21°21	25°23	23° 1	21°49	14°26	23°22	T 26
F 27	18 44 41	10°45'46	0♎16	28°38	11°22	19° 4	8° 0	14°29	9°43	21°19	25°25	22°59	21°46	14°33	23°19	F 27
S 28	18 48 37	11°42'59	12° 8	0♌22	12°36	19°38	8° 5	14°34	9°44	21°18	25°26	22°D58	21°43	14°40	23°16	S 28
S 29	18 52 34	12°40'12	23°58	2° 4	13°49	20°13	8°11	14°39	9°44	21°16	25°28	22°58	21°39	14°46	23°12	S 29
M30	18 56 31	13♋37'25	5♏52	3♌44	15♋ 3	20♍48	8♎16	14♉45	9♈45	21♑15	25♊29	23♏ 0	21♏36	14♎53	23♑ 9	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n48	9s19	3s15	21n 1	0s17	21n44	0s14	10n42	1n 1	1s23	1n25	13n24	2s 9	3n 2	0s41	21s22	0n24	19n12	4s15	18s52	18s38	7s46	14s37	6n47
M 2	22 54	12 56	2 19	21 33	0 6	21 58	0 11	10 29	1 0	1 23	1 25	13 26	2 9	3 3	0 41	21 22	0 24	19 12	4 15	18 52	18 38	7 48	14 37	6 48
T 3	22 59	16 4	1 17	22 4	0n 5	22 10	0 9	10 17	0 59	1 24	1 25	13 28	2 9	3 4	0 41	21 22	0 24	19 12	4 15	18 53	18 37	7 50	14 37	6 48
W 4	23 4	18 32	0 11	22 33	0 16	22 22	0 6	10 4	0 57	1 24	1 24	13 30	2 9	3 4	0 41	21 22	0 24	19 12	4 15	18 53	18 36	7 52	14 37	6 48
T 5	23 9	20 12	0n57	23 0	0 26	22 33	0 4	9 51	0 56	1 25	1 24	13 32	2 9	3 5	0 41	21 22	0 24	19 12	4 15	18 53	18 35	7 54	14 37	6 49
F 6	23 13	20 52	2 3	23 24	0 36	22 44	0 2	9 38	0 55	1 26	1 24	13 34	2 9	3 6	0 41	21 23	0 23	19 12	4 14	18 52	18 34	7 56	14 37	6 49
S 7	23 17	20 29	3 4	23 47	0 46	22 54	0n 1	9 25	0 54	1 27	1 24	13 35	2 9	3 6	0 41	21 23	0 23	19 13	4 14	18 51	18 34	7 58	14 38	6 49
S 8	23 20	18 58	3 57	24 6	0 55	23 3	0 3	9 12	0 53	1 28	1 23	13 37	2 9	3 7	0 41	21 23	0 23	19 13	4 14	18 50	18 33	8 0	14 38	6 49
M 9	23 23	16 25	4 38	24 23	1 4	23 12	0 6	8 59	0 51	1 29	1 23	13 39	2 9	3 7	0 41	21 23	0 23	19 13	4 14	18 49	18 32	8 2	14 38	6 50
T 10	23 26	12 56	5 3	24 38	1 12	23 20	0 8	8 46	0 50	1 30	1 23	13 41	2 10	3 8	0 41	21 24	0 23	19 13	4 14	18 48	18 31	8 4	14 38	6 50
W11	23 28	8 43	5 12	24 49	1 19	23 27	0 10	8 33	0 49	1 31	1 23	13 43	2 10	3 8	0 41	21 24	0 23	19 13	4 14	18 47	18 30	8 6	14 38	6 50
T 12	23 30	4 0	5 3	24 58	1 25	23 34	0 13	8 20	0 48	1 33	1 22	13 45	2 10	3 9	0 41	21 24	0 23	19 13	4 14	18 47	18 29	8 8	14 39	6 51
F 13	23 31	0n59	4 36	25 4	1 31	23 40	0 15	8 6	0 47	1 34	1 22	13 47	2 10	3 9	0 41	21 24	0 23	19 13	4 14	18 46	18 29	8 10	14 39	6 51
S 14	23 32	5 57	3 51	25 7	1 37	23 45	0 17	7 53	0 46	1 35	1 22	13 48	2 10	3 10	0 41	21 24	0 23	19 13	4 14	18 46	18 28	8 12	14 39	6 51
S 15	23 33	10 37	2 52	25 7	1 41	23 50	0 20	7 39	0 45	1 37	1 21	13 50	2 10	3 10	0 41	21 25	0 23	19 13	4 14	18 47	18 27	8 14	14 39	6 51
M16	23 33	14 42	1 43	25 4	1 45	23 54	0 22	7 25	0 43	1 38	1 21	13 52	2 10	3 11	0 41	21 25	0 23	19 14	4 14	18 47	18 26	8 16	14 40	6 52
T 17	23 32	17 55	0 27	24 59	1 48	23 57	0 24	7 12	0 42	1 40	1 21	13 54	2 10	3 11	0 41	21 25	0 23	19 14	4 14	18 47	18 25	8 18	14 40	6 52
W18	23 32	20 2	0s50	24 52	1 50	23 59	0 27	6 58	0 41	1 42	1 21	13 55	2 10	3 11	0 41	21 25	0 23	19 14	4 14	18 47	18 25	8 20	14 40	6 52
T 19	23 30	20 52	2 3	24 42	1 52	24 1	0 29	6 44	0 40	1 43	1 20	13 57	2 11	3 12	0 41	21 26	0 23	19 14	4 14	18 47	18 24	8 22	14 41	6 52
F 20	23 29	20 24	3 8	24 29	1 53	24 2	0 31	6 30	0 39	1 45	1 20	13 59	2 11	3 12	0 41	21 26	0 23	19 14	4 14	18 46	18 23	8 24	14 41	6 52
S 21	23 27	18 45	4 1	24 15	1 53	24 2	0 33	6 16	0 38	1 47	1 20	14 0	2 11	3 12	0 41	21 26	0 23	19 14	4 14	18 44	18 22	8 26	14 41	6 53
S 22	23 24	16 6	4 39	23 58	1 52	24 2	0 35	6 2	0 37	1 49	1 20	14 2	2 11	3 13	0 41	21 26	0 23	19 14	4 14	18 43	18 21	8 28	14 42	6 53
M23	23 22	12 43	5 2	23 40	1 51	24 1	0 37	5 48	0 36	1 51	1 19	14 3	2 11	3 13	0 41	21 27	0 23	19 14	4 14	18 41	18 20	8 30	14 42	6 53
T 24	23 18	8 49	5 9	23 20	1 49	23 59	0 40	5 33	0 35	1 53	1 19	14 5	2 11	3 13	0 41	21 27	0 23	19 14	4 14	18 39	18 20	8 32	14 42	6 53
W25	23 15	4 39	5 1	22 58	1 47	23 56	0 42	5 19	0 34	1 55	1 19	14 6	2 11	3 14	0 41	21 27	0 23	19 14	4 14	18 38	18 19	8 34	14 43	6 53
T 26	23 11	0 22	4 40	22 35	1 44	23 53	0 44	5 4	0 33	1 57	1 19	14 8	2 12	3 14	0 41	21 27	0 23	19 14	4 14	18 36	18 18	8 36	14 43	6 53
F 27	23 6	3s52	4 6	22 10	1 41	23 49	0 46	4 50	0 32	1 59	1 18	14 9	2 12	3 14	0 41	21 28	0 23	19 15	4 14	18 36	18 17	8 38	14 43	6 54
S 28	23 2	7 55	3 22	21 44	1 37	23 44	0 48	4 35	0 31	2 2	1 18	14 11	2 12	3 14	0 41	21 28	0 23	19 15	4 14	18 36	18 16	8 40	14 44	6 54
S 29	22 56	11 40	2 30	21 17	1 32	23 39	0 50	4 21	0 30	2 4	1 18	14 12	2 12	3 14	0 41	21 28	0 23	19 15	4 13	18 36	18 16	8 42	14 44	6 54
M30	22n51	14s58	1s31	20n49	1n27	23n33	0n52	4n 6	0n29	2s 6	1n17	14n14	2s12	3n15	0s41	21s28	0n23	19n15	4s13	18s36	18s15	8s44	14s45	6n54

Julian Day Number = 2150377.5, Delta T = 14m16s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'35, Lahiri = 12°21'36 Julian Calendar 1 June 1175 == Greg. Calendar 8 June 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

JULY 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 27	14♋34'38	17♏54	5♌23	16♋17	21♍22	8♎22	14♉50	9♈45	21°R13	25♊31	23°R 1	21♏33	15♎ 0	23°R 5	T 1
W 2	19 4 24	15°31'52	0♐ 9	6°59	17°31	21°57	8°27	14°55	9°45	21♑11	25°32	23♏ 0	21°30	15° 7	23♑ 2	W 2
T 3	19 8 20	16°29'06	12°41	8°33	18°45	22°33	8°33	15° 0	9°46	21°10	25°33	22°59	21°27	15°13	22°59	T 3
F 4	19 12 17	17°26'20	25°32	10° 6	19°59	23° 8	8°39	15° 5	9°46	21° 8	25°35	22°54	21°24	15°20	22°55	F 4
S 5	19 16 13	18°23'35	8♑44	11°36	21°13	23°43	8°45	15°10	9°46	21° 6	25°36	22°48	21°20	15°27	22°52	S 5
S 6	19 20 10	19°20'51	22°15	13° 5	22°27	24°19	8°52	15°15	9°46	21° 5	25°38	22°40	21°17	15°33	22°48	S 6
M 7	19 24 6	20°18'07	6♒ 4	14°32	23°41	24°54	8°58	15°19	9°46	21° 3	25°39	22°31	21°14	15°40	22°45	M 7
T 8	19 28 3	21°15'24	20° 7	15°57	24°54	25°30	9° 5	15°24	9°47	21° 2	25°40	22°22	21°11	15°47	22°41	T 8
W 9	19 32 0	22°12'42	4♓19	17°19	26° 8	26° 6	9°12	15°29	9°R47	21° 0	25°42	22°14	21° 8	15°53	22°38	W 9
T 10	19 35 56	23°10'01	18°35	18°40	27°22	26°42	9°18	15°33	9°47	20°58	25°43	22° 7	21° 5	16° 0	22°34	T 10
F 11	19 39 53	24° 7'21	2♈51	19°59	28°36	27°18	9°25	15°37	9°47	20°57	25°44	22° 3	21° 1	16° 7	22°31	F 11
S 12	19 43 49	25° 4'43	17° 5	21°16	29°50	27°54	9°33	15°42	9°46	20°55	25°46	22° 2	20°58	16°13	22°27	S 12
S 13	19 47 46	26° 2'05	1♉13	22°30	1♌ 4	28°30	9°40	15°46	9°46	20°53	25°47	22°D 2	20°55	16°20	22°24	S 13
M14	19 51 42	26°59'29	15°15	23°42	2°18	29° 6	9°47	15°50	9°46	20°52	25°48	22°R 2	20°52	16°27	22°21	M14
T 15	19 55 39	27°56'54	29°11	24°52	3°32	29°43	9°55	15°54	9°46	20°50	25°50	22° 2	20°49	16°33	22°17	T 15
W16	19 59 35	28°54'20	12♊59	26° 0	4°46	0♎19	10° 2	15°58	9°45	20°49	25°51	22° 0	20°45	16°40	22°14	W16
T 17	20 3 32	29°51'48	26°38	27° 5	6° 0	0°56	10°10	16° 2	9°45	20°47	25°52	21°56	20°42	16°47	22°10	T 17
F 18	20 7 29	0♌49'16	10♋ 7	28° 7	7°15	1°33	10°18	16° 6	9°45	20°45	25°53	21°49	20°39	16°53	22° 7	F 18
S 19	20 11 25	1°46'46	23°24	29° 7	8°29	2°10	10°26	16°10	9°44	20°44	25°55	21°40	20°36	17° 0	22° 3	S 19
S 20	20 15 22	2°44'17	6♌28	0♍ 4	9°43	2°47	10°34	16°13	9°44	20°42	25°56	21°29	20°33	17° 7	22° 0	S 20
M21	20 19 18	3°41'49	19°17	0°58	10°57	3°24	10°42	16°17	9°43	20°41	25°57	21°17	20°30	17°13	21°57	M21
T 22	20 23 15	4°39'22	1♍51	1°49	12°11	4° 1	10°51	16°20	9°43	20°39	25°58	21° 5	20°26	17°20	21°53	T 22
W23	20 27 11	5°36'56	14°11	2°37	13°25	4°39	10°59	16°24	9°42	20°38	26° 0	20°54	20°23	17°27	21°50	W23
T 24	20 31 8	6°34'31	26°17	3°21	14°39	5°16	11° 8	16°27	9°41	20°36	26° 1	20°46	20°20	17°33	21°47	T 24
F 25	20 35 4	7°32'07	8♎14	4° 2	15°53	5°54	11°16	16°30	9°41	20°34	26° 2	20°40	20°17	17°40	21°43	F 25
S 26	20 39 1	8°29'44	20° 4	4°39	17° 7	6°31	11°25	16°33	9°40	20°33	26° 3	20°37	20°14	17°47	21°40	S 26
S 27	20 42 58	9°27'22	1♏53	5°12	18°22	7° 9	11°34	16°36	9°39	20°31	26° 4	20°35	20°11	17°53	21°37	S 27
M28	20 46 54	10°25'02	13°45	5°41	19°36	7°47	11°43	16°39	9°38	20°30	26° 5	20°35	20° 7	18° 0	21°34	M28
T 29	20 50 51	11°22'42	25°47	6° 5	20°50	8°25	11°52	16°42	9°37	20°28	26° 6	20°35	20° 4	18° 7	21°31	T 29
W30	20 54 47	12°20'23	8♐ 3	6°25	22° 4	9° 3	12° 2	16°44	9°36	20°27	26° 7	20°34	20° 1	18°13	21°27	W30
T 31	20 58 44	13♌18'06	20♐38	6♍40	23♌18	9♎41	12♎11	16♉47	9♈35	20♑25	26♊ 9	20♏31	19♏58	18♎20	21♑24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n45	17s41	0s28	20n19	1n21	23n26	0n53	3n51	0n28	2s 9	1n17	14n15	2s12	3n15	0s41	21s29	0n23	19n15	4s13	18s36	18s14	8s46	14s45	6n54
W 2	22 38	19 39	0n38	19 49	1 15	23 18	0 55	3 37	0 27	2 11	1 17	14 16	2 13	3 15	0 41	21 29	0 23	19 15	4 13	18 36	18 13	8 48	14 46	6 54
T 3	22 31	20 42	1 44	19 19	1 9	23 10	0 57	3 22	0 26	2 14	1 17	14 18	2 13	3 15	0 41	21 29	0 23	19 15	4 13	18 36	18 12	8 50	14 46	6 54
F 4	22 24	20 43	2 45	18 47	1 2	23 1	0 59	3 7	0 25	2 17	1 16	14 19	2 13	3 15	0 42	21 30	0 23	19 15	4 13	18 35	18 11	8 52	14 47	6 54
S 5	22 17	19 36	3 40	18 15	0 55	22 52	1 1	2 52	0 24	2 19	1 16	14 20	2 13	3 15	0 42	21 30	0 23	19 15	4 13	18 33	18 11	8 53	14 47	6 54
S 6	22 9	17 22	4 23	17 43	0 47	22 41	1 2	2 37	0 23	2 22	1 16	14 21	2 13	3 15	0 42	21 30	0 23	19 15	4 13	18 31	18 10	8 55	14 48	6 54
M 7	22 0	14 7	4 52	17 10	0 39	22 30	1 4	2 22	0 22	2 25	1 16	14 23	2 13	3 15	0 42	21 30	0 23	19 15	4 13	18 29	18 9	8 57	14 48	6 54
T 8	21 51	10 2	5 4	16 37	0 31	22 19	1 5	2 7	0 21	2 27	1 16	14 24	2 14	3 15	0 42	21 31	0 23	19 15	4 13	18 27	18 8	8 59	14 49	6 54
W 9	21 42	5 21	4 58	16 4	0 22	22 7	1 7	1 52	0 20	2 30	1 15	14 25	2 14	3 15	0 42	21 31	0 23	19 15	4 13	18 24	18 7	9 1	14 49	6 54
T 10	21 33	0 21	4 33	15 30	0 13	21 54	1 8	1 37	0 19	2 33	1 15	14 26	2 14	3 15	0 42	21 31	0 23	19 15	4 13	18 23	18 6	9 3	14 50	6 54
F 11	21 23	4n40	3 51	14 57	0 4	21 40	1 10	1 21	0 18	2 36	1 15	14 27	2 14	3 15	0 42	21 31	0 23	19 15	4 13	18 22	18 6	9 5	14 50	6 54
S 12	21 13	9 26	2 55	14 23	0s 6	21 26	1 11	1 6	0 17	2 39	1 15	14 28	2 14	3 15	0 42	21 32	0 23	19 15	4 13	18 21	18 5	9 7	14 51	6 54
S 13	21 2	13 39	1 49	13 50	0 16	21 11	1 13	0 51	0 16	2 42	1 14	14 29	2 14	3 15	0 42	21 32	0 23	19 15	4 13	18 21	18 4	9 9	14 51	6 54
M14	20 51	17 3	0 36	13 16	0 26	20 56	1 14	0 35	0 15	2 45	1 14	14 30	2 15	3 15	0 42	21 32	0 23	19 16	4 13	18 21	18 3	9 11	14 52	6 54
T 15	20 40	19 27	0s38	12 43	0 36	20 40	1 15	0 20	0 14	2 49	1 14	14 31	2 15	3 15	0 42	21 32	0 23	19 16	4 13	18 21	18 2	9 13	14 53	6 54
W16	20 28	20 39	1 49	12 11	0 47	20 23	1 16	0 4	0 13	2 52	1 14	14 32	2 15	3 14	0 42	21 33	0 23	19 16	4 13	18 21	18 1	9 15	14 53	6 54
T 17	20 16	20 37	2 53	11 38	0 58	20 6	1 17	0s11	0 12	2 55	1 13	14 33	2 15	3 14	0 42	21 33	0 23	19 16	4 13	18 20	18 0	9 16	14 54	6 54
F 18	20 4	19 24	3 46	11 6	1 9	19 48	1 18	0 27	0 11	2 58	1 13	14 34	2 15	3 14	0 42	21 33	0 23	19 16	4 13	18 18	18 0	9 18	14 54	6 54
S 19	19 51	17 8	4 26	10 35	1 20	19 30	1 19	0 42	0 11	3 2	1 13	14 35	2 16	3 14	0 42	21 33	0 23	19 16	4 13	18 16	17 59	9 20	14 55	6 54
S 20	19 38	14 2	4 52	10 5	1 31	19 11	1 20	0 58	0 10	3 5	1 13	14 36	2 16	3 14	0 42	21 34	0 23	19 16	4 13	18 13	17 58	9 22	14 56	6 54
M21	19 25	10 20	5 1	9 35	1 42	18 52	1 21	1 13	0 9	3 9	1 13	14 37	2 16	3 13	0 42	21 34	0 23	19 16	4 13	18 10	17 57	9 24	14 56	6 54
T 22	19 11	6 15	4 56	9 6	1 54	18 32	1 22	1 29	0 8	3 12	1 12	14 37	2 16	3 13	0 42	21 34	0 23	19 16	4 13	18 6	17 56	9 26	14 57	6 54
W23	18 57	1 59	4 38	8 39	2 5	18 11	1 23	1 45	0 7	3 16	1 12	14 38	2 16	3 13	0 42	21 34	0 23	19 16	4 13	18 4	17 55	9 28	14 57	6 54
T 24	18 43	2s17	4 6	8 12	2 16	17 50	1 23	2 0	0 6	3 19	1 12	14 39	2 17	3 13	0 42	21 35	0 23	19 16	4 13	18 1	17 55	9 30	14 58	6 53
F 25	18 28	6 24	3 25	7 47	2 28	17 29	1 24	2 16	0 5	3 23	1 12	14 40	2 17	3 12	0 42	21 35	0 23	19 16	4 13	18 0	17 54	9 32	14 59	6 53
S 26	18 13	10 15	2 34	7 23	2 39	17 7	1 24	2 32	0 4	3 26	1 12	14 40	2 17	3 12	0 42	21 35	0 23	19 16	4 13	17 59	17 53	9 34	14 59	6 53
S 27	17 58	13 42	1 38	7 0	2 51	16 44	1 25	2 48	0 4	3 30	1 11	14 41	2 17	3 12	0 42	21 35	0 23	19 16	4 13	17 59	17 52	9 35	15 0	6 53
M28	17 42	16 37	0 36	6 39	3 2	16 21	1 25	3 4	0 3	3 34	1 11	14 42	2 17	3 11	0 42	21 36	0 23	19 16	4 13	17 59	17 51	9 37	15 1	6 53
T 29	17 27	18 50	0n28	6 20	3 13	15 58	1 26	3 19	0 2	3 38	1 11	14 42	2 18	3 11	0 42	21 36	0 23	19 16	4 13	17 59	17 50	9 39	15 1	6 53
W30	17 10	20 15	1 31	6 3	3 23	15 34	1 26	3 35	0 1	3 41	1 11	14 43	2 18	3 10	0 42	21 36	0 23	19 16	4 13	17 58	17 49	9 41	15 2	6 53
T 31	16n54	20s41	2n32	5n48	3s33	15n10	1n26	3s51	0n 0	3s45	1n11	14n43	2s18	3n10	0s42	21s36	0n23	19n16	4s13	17s58	17s49	9s43	15s 3	6n52

Julian Day Number = 2150407.5, Delta T = 14m16s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'39, Lahiri = 12°21'40 Julian Calendar 1 July 1175 == Greg. Calendar 8 July 1175

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1175
geocentric

AUGUST 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 2 40	14♌15'50	3♑37	6♍49	24♌32	10♎19	12♎20	16♉49	9°R34	20°R24	26♊10	20°R26	19♏55	18♎27	21°R21	F 1
S 2	21 6 37	15°13'35	17° 1	6°R54	25°46	10°58	12°30	16°52	9♈33	20♑23	26°11	20♏18	19°51	18°33	21♑18	S 2
S 3	21 10 33	16°11'21	0♒49	6°52	27° 1	11°36	12°40	16°54	9°32	20°21	26°12	20° 8	19°48	18°40	21°15	S 3
M 4	21 14 30	17° 9'09	15° 0	6°46	28°15	12°14	12°49	16°56	9°31	20°20	26°13	19°57	19°45	18°47	21°12	M 4
T 5	21 18 27	18° 6'58	29°28	6°33	29°29	12°53	12°59	16°58	9°30	20°18	26°14	19°45	19°42	18°53	21° 9	T 5
W 6	21 22 23	19° 4'49	14♓ 6	6°14	0♍43	13°32	13° 9	17° 0	9°28	20°17	26°15	19°35	19°39	19° 0	21° 6	W 6
T 7	21 26 20	20° 2'41	28°47	5°50	1°57	14°11	13°19	17° 2	9°27	20°16	26°16	19°27	19°36	19° 7	21° 4	T 7
F 8	21 30 16	21° 0'35	13♈24	5°19	3°11	14°49	13°29	17° 4	9°26	20°14	26°17	19°21	19°32	19°13	21° 1	F 8
S 9	21 34 13	21°58'31	27°51	4°43	4°26	15°28	13°39	17° 6	9°24	20°13	26°18	19°18	19°29	19°20	20°58	S 9
S 10	21 38 9	22°56'30	12♉ 5	4° 2	5°40	16° 7	13°50	17° 7	9°23	20°12	26°18	19°17	19°26	19°27	20°55	S 10
M11	21 42 6	23°54'30	26° 5	3°16	6°54	16°47	14° 0	17° 9	9°21	20°10	26°19	19°17	19°23	19°33	20°53	M11
T 12	21 46 2	24°52'32	9♊51	2°26	8° 8	17°26	14°11	17°10	9°20	20° 9	26°20	19°17	19°20	19°40	20°50	T 12
W13	21 49 59	25°50'36	23°23	1°32	9°22	18° 5	14°21	17°11	9°18	20° 8	26°21	19°14	19°17	19°47	20°47	W13
T 14	21 53 56	26°48'42	6♋42	0°36	10°37	18°45	14°32	17°12	9°17	20° 7	26°22	19°10	19°13	19°53	20°45	T 14
F 15	21 57 52	27°46'50	19°50	29♌39	11°51	19°24	14°42	17°13	9°15	20° 5	26°23	19° 2	19°10	20° 0	20°42	F 15
S 16	22 1 49	28°44'59	2♌46	28°41	13° 5	20° 4	14°53	17°14	9°13	20° 4	26°23	18°52	19° 7	20° 7	20°40	S 16
S 17	22 5 45	29°43'11	15°30	27°45	14°19	20°44	15° 4	17°15	9°12	20° 3	26°24	18°40	19° 4	20°13	20°38	S 17
M18	22 9 42	0♍41'24	28° 3	26°50	15°34	21°23	15°15	17°16	9°10	20° 2	26°25	18°27	19° 1	20°20	20°35	M18
T 19	22 13 38	1°39'40	10♍24	25°59	16°48	22° 3	15°26	17°16	9° 8	20° 1	26°26	18°14	18°57	20°27	20°33	T 19
W20	22 17 35	2°37'57	22°34	25°13	18° 2	22°43	15°37	17°17	9° 6	20° 0	26°26	18° 2	18°54	20°33	20°31	W20
T 21	22 21 31	3°36'15	4♎34	24°33	19°16	23°23	15°48	17°17	9° 5	19°59	26°27	17°53	18°51	20°40	20°29	T 21
F 22	22 25 28	4°34'36	16°26	24° 0	20°31	24° 3	16° 0	17°17	9° 3	19°57	26°28	17°46	18°48	20°47	20°27	F 22
S 23	22 29 25	5°32'58	28°14	23°35	21°45	24°44	16°11	17°17	9° 1	19°56	26°28	17°42	18°45	20°53	20°25	S 23
S 24	22 33 21	6°31'22	10♏ 1	23°18	22°59	25°24	16°22	17°R18	8°59	19°55	26°29	17°40	18°42	21° 0	20°23	S 24
M25	22 37 18	7°29'47	21°51	23°D 9	24°13	26° 4	16°34	17°17	8°57	19°54	26°30	17°D40	18°38	21° 7	20°21	M25
T 26	22 41 14	8°28'15	3♐51	23°10	25°28	26°45	16°45	17°17	8°55	19°54	26°30	17°R40	18°35	21°13	20°19	T 26
W27	22 45 11	9°26'44	16° 5	23°21	26°42	27°26	16°57	17°17	8°53	19°53	26°31	17°40	18°32	21°20	20°17	W27
T 28	22 49 7	10°25'14	28°39	23°40	27°56	28° 6	17° 8	17°17	8°51	19°52	26°31	17°39	18°29	21°27	20°15	T 28
F 29	22 53 4	11°23'46	11♑37	24° 9	29°10	28°47	17°20	17°16	8°49	19°51	26°32	17°35	18°26	21°33	20°14	F 29
S 30	22 57 0	12°22'20	25° 2	24°47	0♎24	29°28	17°32	17°15	8°47	19°50	26°32	17°29	18°23	21°40	20°12	S 30
S 31	23 0 57	13♍20'56	8♒57	25♌33	1♎39	0♏ 9	17♎44	17♉15	8♈45	19♑49	26♊33	17♏21	18♏19	21♎46	20♑11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n37	20s 3	3n27	5n35	3s43	14n45	1n26	4s 7	0s 1	3s49	1n10	14n44	2s18	3n10	0s42	21s37	0n23	19n16	4s13	17s56	17s48	9s45	15s 3	6n52	F 1
S 2	16 20	18 17	4 12	5 25	3 52	14 20	1 26	4 23	0 2	3 53	1 10	14 44	2 18	3 9	0 42	21 37	0 23	19 16	4 13	17 54	17 47	9 47	15 4	6 52	S 2
S 3	16 3	15 26	4 44	5 18	4 1	13 55	1 27	4 39	0 2	3 57	1 10	14 45	2 19	3 9	0 42	21 37	0 23	19 16	4 13	17 51	17 46	9 48	15 5	6 52	S 3
M 4	15 46	11 38	4 59	5 13	4 9	13 29	1 26	4 54	0 3	4 1	1 10	14 45	2 19	3 8	0 42	21 37	0 23	19 16	4 13	17 48	17 45	9 50	15 5	6 51	M 4
T 5	15 28	7 5	4 56	5 11	4 16	13 3	1 26	5 10	0 4	4 5	1 10	14 45	2 19	3 8	0 42	21 38	0 23	19 16	4 14	17 45	17 44	9 52	15 6	6 51	T 5
W 6	15 10	2 4	4 34	5 13	4 22	12 37	1 26	5 26	0 5	4 9	1 9	14 46	2 19	3 7	0 42	21 38	0 23	19 16	4 14	17 42	17 43	9 54	15 7	6 51	W 6
T 7	14 52	3n 5	3 53	5 17	4 26	12 10	1 26	5 42	0 6	4 13	1 9	14 46	2 19	3 7	0 42	21 38	0 23	19 16	4 14	17 40	17 43	9 56	15 7	6 51	T 7
F 8	14 33	8 2	2 58	5 25	4 30	11 43	1 26	5 58	0 6	4 17	1 9	14 46	2 20	3 6	0 42	21 38	0 23	19 16	4 14	17 39	17 42	9 58	15 8	6 51	F 8
S 9	14 15	12 29	1 51	5 36	4 32	11 15	1 25	6 14	0 7	4 21	1 9	14 47	2 20	3 5	0 43	21 38	0 23	19 16	4 14	17 38	17 41	10 0	15 9	6 50	S 9
S 10	13 56	16 8	0 38	5 51	4 32	10 47	1 25	6 30	0 8	4 25	1 9	14 47	2 20	3 5	0 43	21 39	0 23	19 16	4 14	17 37	17 40	10 1	15 9	6 50	S 10
M11	13 37	18 47	0s36	6 9	4 30	10 19	1 24	6 45	0 9	4 30	1 9	14 47	2 20	3 4	0 43	21 39	0 23	19 16	4 14	17 37	17 39	10 3	15 10	6 50	M11
T 12	13 17	20 16	1 47	6 30	4 27	9 51	1 24	7 1	0 10	4 34	1 8	14 47	2 21	3 4	0 43	21 39	0 23	19 16	4 14	17 37	17 38	10 5	15 11	6 49	T 12
W13	12 58	20 33	2 50	6 54	4 22	9 22	1 23	7 17	0 10	4 38	1 8	14 47	2 21	3 3	0 43	21 39	0 23	19 16	4 14	17 37	17 37	10 7	15 11	6 49	W13
T 14	12 38	19 40	3 43	7 20	4 15	8 53	1 22	7 33	0 11	4 42	1 8	14 47	2 21	3 2	0 43	21 39	0 23	19 16	4 14	17 35	17 36	10 9	15 12	6 49	T 14
F 15	12 18	17 44	4 23	7 48	4 6	8 24	1 22	7 49	0 12	4 47	1 8	14 48	2 21	3 2	0 43	21 40	0 23	19 16	4 14	17 33	17 36	10 11	15 13	6 48	F 15
S 16	11 58	14 56	4 49	8 19	3 55	7 55	1 21	8 4	0 13	4 51	1 8	14 48	2 21	3 1	0 43	21 40	0 23	19 16	4 14	17 31	17 35	10 12	15 13	6 48	S 16
S 17	11 37	11 29	5 0	8 50	3 42	7 26	1 20	8 20	0 13	4 55	1 8	14 48	2 22	3 0	0 43	21 40	0 23	19 16	4 14	17 27	17 34	10 14	15 14	6 48	S 17
M18	11 17	7 34	4 57	9 22	3 28	6 56	1 19	8 36	0 14	5 0	1 7	14 48	2 22	3 0	0 43	21 40	0 23	19 16	4 14	17 24	17 33	10 16	15 15	6 48	M18
T 19	10 56	3 24	4 39	9 54	3 12	6 26	1 18	8 51	0 15	5 4	1 7	14 48	2 22	2 59	0 43	21 40	0 23	19 16	4 14	17 20	17 32	10 18	15 15	6 47	T 19
W20	10 35	0s50	4 9	10 25	2 55	5 56	1 17	9 7	0 16	5 9	1 7	14 47	2 22	2 58	0 43	21 41	0 23	19 16	4 14	17 17	17 31	10 20	15 16	6 47	W20
T 21	10 14	5 0	3 28	10 56	2 37	5 26	1 16	9 23	0 16	5 13	1 7	14 47	2 22	2 57	0 43	21 41	0 23	19 16	4 14	17 14	17 30	10 21	15 17	6 46	T 21
F 22	9 52	8 55	2 38	11 24	2 18	4 55	1 15	9 38	0 17	5 17	1 7	14 47	2 23	2 57	0 43	21 41	0 22	19 16	4 14	17 12	17 29	10 23	15 17	6 46	F 22
S 23	9 31	12 28	1 42	11 51	1 59	4 25	1 13	9 54	0 18	5 22	1 7	14 47	2 23	2 56	0 43	21 41	0 22	19 16	4 14	17 11	17 29	10 25	15 18	6 46	S 23
S 24	9 9	15 31	0 41	12 15	1 40	3 54	1 12	10 9	0 19	5 26	1 7	14 47	2 23	2 55	0 43	21 41	0 22	19 16	4 14	17 11	17 28	10 27	15 18	6 45	S 24
M25	8 48	17 57	0n22	12 35	1 21	3 23	1 11	10 25	0 19	5 31	1 6	14 47	2 23	2 54	0 43	21 41	0 22	19 16	4 14	17 11	17 27	10 29	15 19	6 45	M25
T 26	8 26	19 37	1 25	12 53	1 2	2 52	1 9	10 40	0 20	5 36	1 6	14 46	2 24	2 54	0 43	21 42	0 22	19 16	4 14	17 11	17 26	10 30	15 20	6 45	T 26
W27	8 4	20 24	2 25	13 7	0 43	2 21	1 8	10 56	0 21	5 40	1 6	14 46	2 24	2 53	0 43	21 42	0 22	19 16	4 14	17 11	17 25	10 32	15 20	6 44	W27
T 28	7 42	20 12	3 20	13 17	0 25	1 50	1 6	11 11	0 21	5 45	1 6	14 46	2 24	2 52	0 43	21 42	0 22	19 16	4 14	17 10	17 24	10 34	15 21	6 44	T 28
F 29	7 19	18 56	4 7	13 24	0 8	1 19	1 4	11 26	0 22	5 49	1 6	14 45	2 24	2 51	0 43	21 42	0 22	19 16	4 14	17 9	17 23	10 36	15 22	6 43	F 29
S 30	6 57	16 36	4 41	13 26	0n 8	0 48	1 3	11 41	0 23	5 54	1 6	14 45	2 24	2 50	0 43	21 42	0 22	19 16	4 14	17 7	17 22	10 38	15 22	6 43	S 30
S 31	6n34	13s16	5n 1	13n25	0n23	0n17	1n 1	11s56	0s24	5s59	1n 6	14n45	2s25	2n49	0s43	21s42	0n22	19n16	4s14	17s 5	17s22	10s39	15s23	6n43	S 31

Julian Day Number = 2150438.5, Delta T = 14m15s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'43, Lahiri = 12°21'44 Julian Calendar 1 Aug. 1175 == Greg. Calendar 8 Aug. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

SEPTEMBER 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 4 54	14♍19'34	23♒18	26♌28	2♎53	0♏50	17♎56	17°R14	8°R42	19°R48	26♊33	17°R11	18♏16	21♎53	20°R 9	M 1
T 2	23 8 50	15°18'13	8♓ 1	27°29	4° 7	1°31	18° 8	17♉13	8♈40	19♑48	26°34	17♏ 2	18°13	22° 0	20♑ 8	T 2
W 3	23 12 47	16°16'54	22°59	28°38	5°21	2°12	18°20	17°12	8°38	19°47	26°34	16°53	18°10	22° 6	20° 6	W 3
T 4	23 16 43	17°15'37	8♈ 3	29°53	6°35	2°53	18°32	17°11	8°36	19°46	26°35	16°46	18° 7	22°13	20° 5	T 4
F 5	23 20 40	18°14'23	23° 2	1♍14	7°50	3°35	18°44	17° 9	8°34	19°46	26°35	16°41	18° 3	22°20	20° 4	F 5
S 6	23 24 36	19°13'10	7♉49	2°40	9° 4	4°16	18°56	17° 8	8°31	19°45	26°35	16°39	18° 0	22°26	20° 3	S 6
S 7	23 28 33	20°12'00	22°18	4°10	10°18	4°57	19° 8	17° 7	8°29	19°44	26°36	16°D39	17°57	22°33	20° 2	S 7
M 8	23 32 29	21°10'53	6♊27	5°43	11°32	5°39	19°20	17° 5	8°27	19°44	26°36	16°40	17°54	22°40	20° 1	M 8
T 9	23 36 26	22° 9'48	20°15	7°20	12°46	6°21	19°33	17° 3	8°25	19°43	26°36	16°R41	17°51	22°46	20° 0	T 9
W10	23 40 22	23° 8'45	3♋42	9° 0	14° 0	7° 2	19°45	17° 2	8°22	19°43	26°37	16°40	17°48	22°53	19°59	W10
T 11	23 44 19	24° 7'44	16°52	10°42	15°15	7°44	19°57	17° 0	8°20	19°42	26°37	16°38	17°44	23° 0	19°58	T 11
F 12	23 48 16	25° 6'46	29°45	12°25	16°29	8°26	20°10	16°58	8°18	19°42	26°37	16°33	17°41	23° 6	19°57	F 12
S 13	23 52 12	26° 5'50	12♌24	14°10	17°43	9° 8	20°22	16°56	8°15	19°41	26°37	16°26	17°38	23°13	19°57	S 13
S 14	23 56 9	27° 4'57	24°52	15°56	18°57	9°50	20°35	16°53	8°13	19°41	26°37	16°18	17°35	23°20	19°56	S 14
M15	0 0 5	28° 4'05	7♍ 9	17°42	20°11	10°32	20°48	16°51	8°10	19°41	26°38	16° 8	17°32	23°26	19°56	M15
T 16	0 4 2	29° 3'16	19°17	19°29	21°25	11°15	21° 0	16°49	8° 8	19°40	26°38	15°59	17°28	23°33	19°55	T 16
W17	0 7 58	0♎ 2'28	1♎17	21°16	22°40	11°57	21°13	16°46	8° 6	19°40	26°38	15°51	17°25	23°40	19°55	W17
T 18	0 11 55	1° 1'43	13°10	23° 3	23°54	12°39	21°25	16°44	8° 3	19°40	26°38	15°45	17°22	23°46	19°55	T 18
F 19	0 15 51	2° 1'00	24°59	24°50	25° 8	13°22	21°38	16°41	8° 1	19°39	26°38	15°40	17°19	23°53	19°54	F 19
S 20	0 19 48	3° 0'19	6♏45	26°37	26°22	14° 4	21°51	16°38	7°58	19°39	26°38	15°38	17°16	24° 0	19°54	S 20
S 21	0 23 45	3°59'40	18°33	28°23	27°36	14°47	22° 4	16°35	7°56	19°39	26°R38	15°D37	17°13	24° 6	19°D54	S 21
M22	0 27 41	4°59'03	0♐24	0♎ 9	28°50	15°29	22°17	16°32	7°53	19°39	26°38	15°38	17° 9	24°13	19°54	M22
T 23	0 31 38	5°58'28	12°23	1°54	0♏ 4	16°12	22°29	16°29	7°51	19°39	26°38	15°40	17° 6	24°20	19°54	T 23
W24	0 35 34	6°57'54	24°36	3°39	1°18	16°55	22°42	16°26	7°49	19°39	26°38	15°41	17° 3	24°26	19°55	W24
T 25	0 39 31	7°57'23	7♑ 6	5°23	2°32	17°38	22°55	16°23	7°46	19°D39	26°38	15°R42	17° 0	24°33	19°55	T 25
F 26	0 43 27	8°56'53	19°59	7° 7	3°46	18°21	23° 8	16°20	7°44	19°39	26°38	15°41	16°57	24°40	19°55	F 26
S 27	0 47 24	9°56'25	3♒19	8°49	5° 1	19° 4	23°21	16°16	7°41	19°39	26°37	15°39	16°54	24°46	19°56	S 27
S 28	0 51 20	10°55'59	17° 7	10°32	6°15	19°47	23°34	16°13	7°39	19°39	26°37	15°36	16°50	24°53	19°56	S 28
M29	0 55 17	11°55'34	1♓24	12°13	7°29	20°30	23°47	16° 9	7°36	19°39	26°37	15°31	16°47	25° 0	19°57	M29
T 30	0 59 14	12♎55'11	16♓ 7	13♎54	8♏43	21♏14	24♎ 0	16♉ 6	7♈34	19♑39	26♊37	15♏26	16♏44	25♎ 6	19♑57	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n12	9s 3	5n 2	13n19	0n37	0s15	0n59	12s11	0s24	6s 3	1n 5	14n44	2s25	2n49	0s43	21s43	0n22	19n16	4s14	17s 2	17s21	10s41	15s24	6n42
T 2	5 49	4 12	4 44	13 10	0 49	0 46	0 57	12 27	0 25	6 8	1 5	14 44	2 25	2 48	0 43	21 43	0 22	19 16	4 14	17 0	17 20	10 43	15 24	6 42
W 3	5 26	0n59	4 6	12 57	1 1	1 17	0 56	12 41	0 26	6 13	1 5	14 43	2 25	2 47	0 43	21 43	0 22	19 16	4 15	16 57	17 19	10 45	15 25	6 41
T 4	5 3	6 8	3 11	12 40	1 11	1 48	0 54	12 56	0 26	6 17	1 5	14 43	2 25	2 46	0 43	21 43	0 22	19 16	4 15	16 55	17 18	10 47	15 25	6 41
F 5	4 40	10 54	2 3	12 20	1 20	2 20	0 52	13 11	0 27	6 22	1 5	14 42	2 26	2 45	0 43	21 43	0 22	19 15	4 15	16 54	17 17	10 48	15 26	6 41
S 6	4 17	14 55	0 47	11 56	1 28	2 51	0 50	13 26	0 28	6 27	1 5	14 42	2 26	2 44	0 43	21 43	0 22	19 15	4 15	16 53	17 16	10 50	15 26	6 40
S 7	3 54	17 56	0s30	11 30	1 35	3 22	0 47	13 41	0 28	6 32	1 5	14 41	2 26	2 43	0 43	21 43	0 22	19 15	4 15	16 53	17 15	10 52	15 27	6 40
M 8	3 31	19 46	1 44	11 0	1 40	3 53	0 45	13 55	0 29	6 36	1 5	14 40	2 26	2 42	0 43	21 43	0 22	19 15	4 15	16 53	17 14	10 54	15 28	6 39
T 9	3 7	20 21	2 50	10 29	1 45	4 24	0 43	14 10	0 30	6 41	1 5	14 40	2 26	2 41	0 43	21 43	0 22	19 15	4 15	16 54	17 14	10 55	15 28	6 39
W10	2 44	19 44	3 45	9 54	1 48	4 55	0 41	14 24	0 30	6 46	1 4	14 39	2 26	2 41	0 43	21 44	0 22	19 15	4 15	16 53	17 13	10 57	15 29	6 38
T 11	2 21	18 4	4 27	9 18	1 51	5 26	0 39	14 38	0 31	6 51	1 4	14 38	2 27	2 40	0 43	21 44	0 22	19 15	4 15	16 53	17 12	10 59	15 29	6 38
F 12	1 57	15 30	4 54	8 40	1 53	5 57	0 36	14 53	0 32	6 55	1 4	14 38	2 27	2 39	0 43	21 44	0 22	19 15	4 15	16 51	17 11	11 1	15 30	6 38
S 13	1 33	12 15	5 6	8 0	1 53	6 28	0 34	15 7	0 32	7 0	1 4	14 37	2 27	2 38	0 43	21 44	0 22	19 15	4 15	16 49	17 10	11 2	15 30	6 37
S 14	1 10	8 31	5 4	7 19	1 54	6 58	0 32	15 21	0 33	7 5	1 4	14 36	2 27	2 37	0 43	21 44	0 22	19 15	4 15	16 47	17 9	11 4	15 31	6 37
M15	0 46	4 29	4 47	6 37	1 53	7 28	0 29	15 35	0 33	7 10	1 4	14 35	2 27	2 36	0 43	21 44	0 22	19 15	4 15	16 44	17 8	11 6	15 31	6 36
T 16	0 23	0 19	4 17	5 53	1 51	7 59	0 27	15 48	0 34	7 15	1 4	14 35	2 28	2 35	0 43	21 44	0 22	19 15	4 15	16 42	17 7	11 8	15 32	6 36
W17	0s 1	3s49	3 37	5 9	1 50	8 29	0 24	16 2	0 35	7 20	1 4	14 34	2 28	2 34	0 43	21 44	0 22	19 15	4 15	16 39	17 6	11 9	15 32	6 35
T 18	0 25	7 47	2 47	4 24	1 47	8 59	0 22	16 16	0 35	7 24	1 4	14 33	2 28	2 33	0 43	21 44	0 22	19 15	4 15	16 37	17 5	11 11	15 33	6 35
F 19	0 48	11 25	1 50	3 39	1 44	9 28	0 19	16 29	0 36	7 29	1 4	14 32	2 28	2 32	0 43	21 44	0 22	19 15	4 15	16 36	17 5	11 13	15 33	6 34
S 20	1 12	14 35	0 48	2 53	1 40	9 58	0 17	16 43	0 36	7 34	1 4	14 31	2 28	2 31	0 43	21 44	0 22	19 15	4 15	16 36	17 4	11 14	15 34	6 34
S 21	1 36	17 10	0n16	2 7	1 37	10 27	0 14	16 56	0 37	7 39	1 3	14 30	2 28	2 30	0 43	21 44	0 22	19 15	4 15	16 35	17 3	11 16	15 34	6 33
M22	1 59	19 2	1 20	1 21	1 32	10 56	0 11	17 9	0 38	7 44	1 3	14 29	2 28	2 29	0 43	21 44	0 22	19 15	4 15	16 36	17 2	11 18	15 35	6 33
T 23	2 23	20 3	2 21	0 35	1 28	11 25	0 9	17 22	0 38	7 49	1 3	14 28	2 29	2 28	0 43	21 44	0 22	19 15	4 15	16 36	17 1	11 20	15 35	6 32
W24	2 47	20 10	3 17	0s11	1 23	11 53	0 6	17 35	0 39	7 54	1 3	14 27	2 29	2 27	0 43	21 44	0 22	19 15	4 15	16 37	17 0	11 21	15 36	6 32
T 25	3 10	19 17	4 5	0 58	1 18	12 21	0 3	17 48	0 39	7 58	1 3	14 26	2 29	2 26	0 43	21 44	0 22	19 15	4 16	16 37	16 59	11 23	15 36	6 31
F 26	3 34	17 24	4 42	1 44	1 12	12 49	0 1	18 0	0 40	8 3	1 3	14 25	2 29	2 25	0 43	21 44	0 22	19 15	4 16	16 37	16 58	11 25	15 37	6 31
S 27	3 57	14 33	5 5	2 30	1 6	13 17	0s 2	18 13	0 41	8 8	1 3	14 24	2 29	2 24	0 43	21 44	0 22	19 15	4 16	16 36	16 57	11 26	15 37	6 31
S 28	4 21	10 49	5 12	3 16	1 1	13 44	0 5	18 25	0 41	8 13	1 3	14 23	2 29	2 23	0 43	21 45	0 22	19 14	4 16	16 35	16 56	11 28	15 37	6 30
M29	4 44	6 20	5 1	4 1	0 54	14 11	0 8	18 37	0 42	8 18	1 3	14 22	2 29	2 22	0 43	21 45	0 22	19 14	4 16	16 34	16 56	11 30	15 38	6 30
T 30	5s 7	1s22	4n29	4s46	0n48	14s38	0s10	18s49	0s42	8s23	1n 3	14n20	2s30	2n21	0s43	21s45	0n22	19n14	4s16	16s32	16s55	11s31	15s38	6n29

Julian Day Number = 2150469.5, Delta T = 14m15s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'48, Lahiri = 12°21'48 Julian Calendar 1 Sept. 1175 == Greg. Calendar 8 Sept. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

OCTOBER 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 3 10	13♎54'51	1♈ 9	15♎35	9♏57	21♏57	24♎13	16°R 2	7°R32	19♑39	26°R37	15°R22	16♏41	25♎13	19♑58	W 1
T 2	1 7 7	14°54'32	16°22	17°14	11°11	22°40	24°26	15♉58	7♈29	19°39	26♊36	15♏18	16°38	25°20	19°59	T 2
F 3	1 11 3	15°54'15	1♉36	18°54	12°25	23°24	24°39	15°54	7°27	19°40	26°36	15°16	16°34	25°26	19°59	F 3
S 4	1 15 0	16°54'00	16°41	20°32	13°39	24° 7	24°52	15°50	7°24	19°40	26°36	15°D15	16°31	25°33	20° 0	S 4
S 5	1 18 56	17°53'48	1♊28	22°10	14°52	24°51	25° 5	15°46	7°22	19°40	26°36	15°16	16°28	25°39	20° 1	S 5
M 6	1 22 53	18°53'38	15°53	23°47	16° 6	25°35	25°19	15°42	7°19	19°41	26°35	15°17	16°25	25°46	20° 2	M 6
T 7	1 26 49	19°53'30	29°52	25°24	17°20	26°18	25°32	15°38	7°17	19°41	26°35	15°19	16°22	25°53	20° 3	T 7
W 8	1 30 46	20°53'24	13♋26	27° 0	18°34	27° 2	25°45	15°34	7°15	19°41	26°34	15°20	16°19	25°59	20° 5	W 8
T 9	1 34 42	21°53'21	26°36	28°36	19°48	27°46	25°58	15°30	7°12	19°42	26°34	15°R20	16°15	26° 6	20° 6	T 9
F 10	1 38 39	22°53'20	9♌25	0♏11	21° 2	28°30	26°11	15°25	7°10	19°42	26°34	15°19	16°12	26°13	20° 7	F 10
S 11	1 42 36	23°53'21	21°56	1°46	22°16	29°14	26°24	15°21	7° 8	19°43	26°33	15°17	16° 9	26°19	20° 9	S 11
S 12	1 46 32	24°53'24	4♍13	3°20	23°30	29°58	26°37	15°17	7° 5	19°43	26°33	15°14	16° 6	26°26	20°10	S 12
M13	1 50 29	25°53'29	16°19	4°54	24°44	0♐42	26°51	15°12	7° 3	19°44	26°32	15°11	16° 3	26°33	20°12	M13
T 14	1 54 25	26°53'37	28°17	6°27	25°58	1°27	27° 4	15° 8	7° 1	19°45	26°32	15° 8	15°59	26°39	20°13	T 14
W15	1 58 22	27°53'46	10♎ 9	8° 0	27°12	2°11	27°17	15° 3	6°59	19°45	26°31	15° 5	15°56	26°46	20°15	W15
T 16	2 2 18	28°53'57	21°58	9°33	28°25	2°55	27°30	14°59	6°56	19°46	26°31	15° 3	15°53	26°53	20°17	T 16
F 17	2 6 15	29°54'11	3♏46	11° 5	29°39	3°40	27°43	14°54	6°54	19°47	26°30	15° 2	15°50	26°59	20°19	F 17
S 18	2 10 11	0♏54'26	15°34	12°36	0♐53	4°24	27°57	14°49	6°52	19°47	26°29	15°D 2	15°47	27° 6	20°20	S 18
S 19	2 14 8	1°54'43	27°25	14° 8	2° 7	5° 9	28°10	14°44	6°50	19°48	26°29	15° 2	15°44	27°13	20°22	S 19
M20	2 18 5	2°55'01	9♐22	15°38	3°21	5°53	28°23	14°40	6°48	19°49	26°28	15° 3	15°40	27°19	20°24	M20
T 21	2 22 1	3°55'21	21°28	17° 9	4°34	6°38	28°36	14°35	6°46	19°50	26°27	15° 4	15°37	27°26	20°27	T 21
W22	2 25 58	4°55'43	3♑44	18°39	5°48	7°23	28°49	14°30	6°44	19°51	26°27	15° 5	15°34	27°33	20°29	W22
T 23	2 29 54	5°56'06	16°16	20° 9	7° 2	8° 8	29° 2	14°25	6°42	19°52	26°26	15° 6	15°31	27°39	20°31	T 23
F 24	2 33 51	6°56'31	29° 7	21°38	8°16	8°52	29°16	14°20	6°40	19°53	26°25	15° 6	15°28	27°46	20°33	F 24
S 25	2 37 47	7°56'57	12♒20	23° 7	9°29	9°37	29°29	14°16	6°38	19°53	26°25	15°R 6	15°25	27°53	20°36	S 25
S 26	2 41 44	8°57'25	25°57	24°35	10°43	10°22	29°42	14°11	6°36	19°54	26°24	15° 6	15°21	27°59	20°38	S 26
M27	2 45 40	9°57'53	10♓ 0	26° 3	11°57	11° 7	29°55	14° 6	6°34	19°55	26°23	15° 6	15°18	28° 6	20°41	M27
T 28	2 49 37	10°58'23	24°27	27°30	13°10	11°53	0♏ 8	14° 1	6°32	19°57	26°22	15° 5	15°15	28°12	20°43	T 28
W29	2 53 34	11°58'55	9♈17	28°57	14°24	12°38	0°21	13°56	6°30	19°58	26°21	15° 5	15°12	28°19	20°46	W29
T 30	2 57 30	12°59'27	24°21	0♐23	15°38	13°23	0°34	13°51	6°28	19°59	26°21	15° 4	15° 9	28°26	20°49	T 30
F 31	3 1 27	14♏ 0'02	9♉33	1♐49	16♐51	14♐ 8	0♏47	13♉46	6♈26	20♑ 0	26♊20	15°D 4	15♏ 5	28♎32	20♑51	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s31	3n48	3n39	5s31	0n42	15s 4	0s13	19s 1	0s43	8s28	1n 3	14n19	2s30	2n20	0s43	21s45	0n22	19n14	4s16	16s31	16s54	11s33	15s39	6n29
T 2	5 54	8 48	2 32	6 15	0 36	15 30	0 16	19 13	0 43	8 32	1 3	14 18	2 30	2 20	0 43	21 45	0 22	19 14	4 16	16 30	16 53	11 35	15 39	6 28
F 3	6 17	13 15	1 14	6 59	0 29	15 56	0 19	19 25	0 44	8 37	1 3	14 17	2 30	2 19	0 43	21 44	0 22	19 14	4 16	16 29	16 52	11 37	15 39	6 28
S 4	6 40	16 46	0s 8	7 42	0 22	16 21	0 22	19 36	0 44	8 42	1 3	14 16	2 30	2 18	0 43	21 44	0 22	19 14	4 16	16 29	16 51	11 38	15 40	6 27
S 5	7 3	19 7	1 28	8 25	0 16	16 46	0 24	19 47	0 45	8 47	1 2	14 14	2 30	2 17	0 43	21 44	0 21	19 14	4 16	16 29	16 50	11 40	15 40	6 27
M 6	7 26	20 8	2 41	9 8	0 9	17 10	0 27	19 58	0 45	8 52	1 2	14 13	2 30	2 16	0 43	21 44	0 21	19 14	4 16	16 30	16 49	11 42	15 40	6 26
T 7	7 49	19 51	3 42	9 50	0 2	17 34	0 30	20 9	0 46	8 57	1 2	14 12	2 30	2 15	0 43	21 44	0 21	19 14	4 16	16 30	16 48	11 43	15 41	6 26
W 8	8 11	18 25	4 28	10 31	0s 4	17 57	0 33	20 20	0 46	9 2	1 2	14 11	2 30	2 14	0 43	21 44	0 21	19 14	4 16	16 30	16 47	11 45	15 41	6 25
T 9	8 34	16 2	4 59	11 12	0 11	18 20	0 36	20 31	0 47	9 6	1 2	14 9	2 30	2 13	0 43	21 44	0 21	19 14	4 16	16 30	16 46	11 47	15 41	6 25
F 10	8 56	12 56	5 14	11 52	0 18	18 43	0 38	20 41	0 47	9 11	1 2	14 8	2 30	2 12	0 43	21 44	0 21	19 14	4 16	16 30	16 45	11 48	15 41	6 24
S 11	9 19	9 19	5 13	12 31	0 24	19 5	0 41	20 51	0 48	9 16	1 2	14 7	2 31	2 11	0 43	21 44	0 21	19 14	4 16	16 29	16 45	11 50	15 42	6 24
S 12	9 41	5 22	4 58	13 10	0 31	19 26	0 44	21 1	0 48	9 21	1 2	14 5	2 31	2 10	0 43	21 44	0 21	19 14	4 16	16 29	16 44	11 52	15 42	6 24
M13	10 3	1 16	4 30	13 48	0 38	19 47	0 47	21 11	0 49	9 26	1 2	14 4	2 31	2 9	0 43	21 44	0 21	19 14	4 16	16 28	16 43	11 53	15 42	6 23
T 14	10 25	2s50	3 51	14 26	0 44	20 8	0 49	21 21	0 49	9 30	1 2	14 3	2 31	2 9	0 43	21 44	0 21	19 14	4 16	16 27	16 42	11 55	15 42	6 23
W15	10 46	6 49	3 1	15 2	0 51	20 28	0 52	21 30	0 50	9 35	1 2	14 1	2 31	2 8	0 43	21 44	0 21	19 14	4 16	16 26	16 41	11 57	15 43	6 22
T 16	11 8	10 31	2 4	15 38	0 57	20 47	0 55	21 39	0 50	9 40	1 2	14 0	2 31	2 7	0 43	21 44	0 21	19 14	4 16	16 25	16 40	11 58	15 43	6 22
F 17	11 29	13 48	1 2	16 13	1 4	21 6	0 58	21 48	0 51	9 45	1 2	13 58	2 31	2 6	0 43	21 44	0 21	19 14	4 16	16 25	16 39	12 0	15 43	6 21
S 18	11 50	16 32	0n 3	16 48	1 10	21 24	1 0	21 57	0 51	9 50	1 2	13 57	2 31	2 5	0 43	21 44	0 21	19 14	4 16	16 25	16 38	12 1	15 43	6 21
S 19	12 11	18 34	1 8	17 21	1 16	21 42	1 3	22 6	0 52	9 54	1 2	13 56	2 31	2 4	0 43	21 44	0 21	19 13	4 16	16 25	16 37	12 3	15 43	6 20
M20	12 32	19 48	2 11	17 54	1 22	21 59	1 5	22 14	0 52	9 59	1 2	13 54	2 31	2 3	0 43	21 44	0 21	19 13	4 16	16 25	16 36	12 5	15 43	6 20
T 21	12 53	20 8	3 9	18 26	1 28	22 16	1 8	22 22	0 53	10 4	1 2	13 53	2 31	2 3	0 43	21 43	0 21	19 13	4 16	16 26	16 35	12 6	15 44	6 20
W22	13 13	19 31	3 59	18 57	1 33	22 32	1 11	22 30	0 53	10 8	1 2	13 51	2 31	2 2	0 43	21 43	0 21	19 13	4 17	16 26	16 34	12 8	15 44	6 19
T 23	13 33	17 56	4 39	19 27	1 39	22 47	1 13	22 38	0 53	10 13	1 2	13 50	2 31	2 1	0 43	21 43	0 21	19 13	4 17	16 26	16 33	12 10	15 44	6 19
F 24	13 53	15 26	5 6	19 56	1 44	23 1	1 15	22 46	0 54	10 18	1 2	13 49	2 31	2 0	0 43	21 43	0 21	19 13	4 17	16 26	16 33	12 11	15 44	6 18
S 25	14 13	12 6	5 18	20 24	1 49	23 15	1 18	22 53	0 54	10 22	1 2	13 47	2 31	1 59	0 43	21 43	0 21	19 13	4 17	16 26	16 32	12 13	15 44	6 18
S 26	14 33	8 1	5 12	20 50	1 54	23 29	1 20	23 0	0 55	10 27	1 2	13 46	2 31	1 59	0 43	21 43	0 21	19 13	4 17	16 26	16 31	12 14	15 44	6 17
M27	14 52	3 24	4 49	21 16	1 59	23 41	1 23	23 7	0 55	10 32	1 2	13 44	2 31	1 58	0 42	21 43	0 21	19 13	4 17	16 26	16 30	12 16	15 44	6 17
T 28	15 11	1n33	4 6	21 41	2 3	23 53	1 25	23 14	0 55	10 36	1 2	13 43	2 31	1 57	0 42	21 43	0 21	19 13	4 17	16 26	16 29	12 18	15 44	6 17
W29	15 30	6 33	3 6	22 5	2 7	24 4	1 27	23 20	0 56	10 41	1 2	13 42	2 31	1 57	0 42	21 42	0 21	19 13	4 17	16 26	16 28	12 19	15 44	6 16
T 30	15 48	11 14	1 53	22 28	2 11	24 15	1 29	23 26	0 56	10 46	1 2	13 40	2 31	1 56	0 42	21 42	0 21	19 13	4 17	16 26	16 27	12 21	15 44	6 16
F 31	16s 7	15n13	0n31	22s49	2s15	24s25	1s32	23s32	0s57	10s50	1n 2	13n39	2s31	1n55	0s42	21s42	0n21	19n13	4s17	16s26	16s26	12s22	15s44	6n15

Julian Day Number = 2150499.5, Delta T = 14m15s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'52, Lahiri = 12°21'52 Julian Calendar 1 Oct. 1175 == Greg. Calendar 8 Oct. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

NOVEMBER 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 5 23	15♏ 0'38	24♉42	3♐14	18♐ 5	14♐53	1♏ 0	13°R41	6°R25	20♑ 1	26°R19	15°R 4	15♏ 2	28♎39	20♑54	S 1
S 2	3 9 20	16° 1'15	9♊39	4°38	19°18	15°39	1°13	13♉36	6♈23	20° 2	26♊18	15♏ 4	14°59	28°46	20°57	S 2
M 3	3 13 16	17° 1'54	24°17	6° 1	20°32	16°24	1°26	13°31	6°21	20° 4	26°17	15° 4	14°56	28°52	21° 0	M 3
T 4	3 17 13	18° 2'35	8♋29	7°23	21°45	17°10	1°39	13°26	6°19	20° 5	26°16	15° 4	14°53	28°59	21° 3	T 4
W 5	3 21 9	19° 3'17	22°15	8°44	22°59	17°55	1°52	13°22	6°18	20° 6	26°15	15° 4	14°50	29° 6	21° 6	W 5
T 6	3 25 6	20° 4'01	5♌33	10° 4	24°12	18°41	2° 5	13°17	6°16	20° 7	26°14	15° 3	14°46	29°12	21° 9	T 6
F 7	3 29 3	21° 4'46	18°26	11°22	25°25	19°27	2°18	13°12	6°15	20° 9	26°13	15°D 3	14°43	29°19	21°12	F 7
S 8	3 32 59	22° 5'34	0♍58	12°39	26°39	20°12	2°31	13° 7	6°13	20°10	26°12	15° 3	14°40	29°26	21°15	S 8
S 9	3 36 56	23° 6'22	13°12	13°54	27°52	20°58	2°44	13° 2	6°12	20°12	26°11	15° 4	14°37	29°32	21°19	S 9
M10	3 40 52	24° 7'12	25°13	15° 6	29° 5	21°44	2°56	12°57	6°10	20°13	26°10	15° 4	14°34	29°39	21°22	M10
T 11	3 44 49	25° 8'04	7♎ 5	16°16	0♑19	22°30	3° 9	12°53	6° 9	20°15	26° 9	15° 5	14°31	29°46	21°25	T 11
W12	3 48 45	26° 8'57	18°53	17°23	1°32	23°16	3°22	12°48	6° 8	20°16	26° 8	15° 7	14°27	29°52	21°29	W12
T 13	3 52 42	27° 9'51	0♏40	18°27	2°45	24° 2	3°34	12°43	6° 6	20°18	26° 7	15° 7	14°24	29°59	21°32	T 13
F 14	3 56 38	28°10'47	12°29	19°26	3°58	24°48	3°47	12°38	6° 5	20°19	26° 6	15°R 8	14°21	0♏ 6	21°36	F 14
S 15	4 0 35	29°11'44	24°23	20°22	5°11	25°34	4° 0	12°34	6° 4	20°21	26° 5	15° 8	14°18	0°12	21°40	S 15
S 16	4 4 32	0♐12'42	6♐23	21°12	6°25	26°20	4°12	12°29	6° 3	20°22	26° 4	15° 7	14°15	0°19	21°43	S 16
M17	4 8 28	1°13'41	18°31	21°57	7°38	27° 6	4°25	12°25	6° 2	20°24	26° 3	15° 5	14°11	0°25	21°47	M17
T 18	4 12 25	2°14'41	0♑50	22°36	8°51	27°52	4°37	12°20	6° 1	20°26	26° 2	15° 2	14° 8	0°32	21°51	T 18
W19	4 16 21	3°15'42	13°20	23° 7	10° 4	28°38	4°50	12°16	6° 0	20°27	26° 1	14°59	14° 5	0°39	21°54	W19
T 20	4 20 18	4°16'43	26° 3	23°30	11°17	29°25	5° 2	12°11	5°59	20°29	26° 0	14°57	14° 2	0°45	21°58	T 20
F 21	4 24 14	5°17'46	9♒ 0	23°44	12°30	0♑11	5°14	12° 7	5°58	20°31	25°59	14°54	13°59	0°52	22° 2	F 21
S 22	4 28 11	6°18'48	22°14	23°R48	13°42	0°57	5°26	12° 3	5°57	20°32	25°58	14°52	13°56	0°59	22° 6	S 22
S 23	4 32 7	7°19'52	5♓45	23°42	14°55	1°44	5°39	11°59	5°56	20°34	25°56	14°D52	13°52	1° 5	22°10	S 23
M24	4 36 4	8°20'55	19°35	23°25	16° 8	2°30	5°51	11°54	5°55	20°36	25°55	14°52	13°49	1°12	22°14	M24
T 25	4 40 1	9°22'00	3♈45	22°56	17°21	3°17	6° 3	11°50	5°55	20°38	25°54	14°53	13°46	1°19	22°18	T 25
W26	4 43 57	10°23'04	18°12	22°16	18°33	4° 3	6°15	11°46	5°54	20°40	25°53	14°55	13°43	1°25	22°22	W26
T 27	4 47 54	11°24'09	2♉53	21°24	19°46	4°50	6°27	11°42	5°53	20°41	25°52	14°56	13°40	1°32	22°26	T 27
F 28	4 51 50	12°25'15	17°45	20°22	20°58	5°36	6°39	11°39	5°53	20°43	25°51	14°R56	13°36	1°39	22°31	F 28
S 29	4 55 47	13°26'21	2♊40	19°12	22°11	6°23	6°51	11°35	5°52	20°45	25°49	14°55	13°33	1°45	22°35	S 29
S 30	4 59 43	14♐27'28	17♊29	17♐55	23♑23	7♑10	7♏ 3	11♉31	5♈52	20♑47	25♊48	14♏53	13♏30	1♏52	22♑39	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s25	18n10	0s53	23s 9	2s18	24s34	1s34	23s38	0s57	10s55	1n 2	13n37	2s31	1n54	0s42	21s42	0n21	19n13	4s17	16s26	16s25	12s24	15s44	6n15
S 2	16 42	19 49	2 13	23 28	2 21	24 42	1 36	23 43	0 57	10 59	1 2	13 36	2 30	1 54	0 42	21 42	0 21	19 13	4 17	16 26	16 24	12 26	15 44	6 15
M 3	17 0	20 4	3 21	23 46	2 24	24 50	1 38	23 48	0 58	11 4	1 2	13 35	2 30	1 53	0 42	21 42	0 21	19 13	4 17	16 26	16 23	12 27	15 44	6 14
T 4	17 17	19 1	4 16	24 2	2 26	24 57	1 40	23 53	0 58	11 8	1 2	13 33	2 30	1 53	0 42	21 42	0 21	19 13	4 17	16 26	16 22	12 29	15 44	6 14
W 5	17 34	16 52	4 53	24 17	2 27	25 3	1 42	23 58	0 58	11 13	1 2	13 32	2 30	1 52	0 42	21 41	0 21	19 13	4 17	16 25	16 21	12 30	15 44	6 13
T 6	17 50	13 54	5 14	24 30	2 28	25 8	1 44	24 2	0 59	11 17	1 2	13 30	2 30	1 51	0 42	21 41	0 21	19 13	4 17	16 25	16 20	12 32	15 44	6 13
F 7	18 6	10 20	5 18	24 42	2 29	25 13	1 45	24 6	0 59	11 22	1 2	13 29	2 30	1 51	0 42	21 41	0 21	19 13	4 17	16 25	16 19	12 34	15 44	6 13
S 8	18 22	6 25	5 6	24 53	2 29	25 17	1 47	24 10	0 59	11 26	1 2	13 28	2 30	1 50	0 42	21 41	0 21	19 13	4 17	16 25	16 19	12 35	15 44	6 12
S 9	18 38	2 19	4 41	25 2	2 29	25 20	1 49	24 14	1 0	11 30	1 2	13 26	2 30	1 50	0 42	21 41	0 21	19 13	4 17	16 25	16 18	12 37	15 43	6 12
M10	18 53	1s49	4 3	25 9	2 28	25 23	1 50	24 17	1 0	11 35	1 2	13 25	2 30	1 49	0 42	21 40	0 21	19 13	4 17	16 26	16 17	12 38	15 43	6 11
T 11	19 8	5 49	3 16	25 15	2 26	25 24	1 52	24 20	1 0	11 39	1 2	13 24	2 30	1 49	0 42	21 40	0 21	19 13	4 17	16 26	16 16	12 40	15 43	6 11
W12	19 22	9 36	2 21	25 19	2 23	25 25	1 53	24 23	1 1	11 43	1 2	13 22	2 29	1 48	0 42	21 40	0 21	19 13	4 17	16 26	16 15	12 41	15 43	6 11
T 13	19 37	13 0	1 19	25 21	2 20	25 26	1 55	24 25	1 1	11 48	1 2	13 21	2 29	1 48	0 42	21 40	0 21	19 13	4 17	16 27	16 14	12 43	15 43	6 10
F 14	19 50	15 53	0 15	25 22	2 15	25 25	1 56	24 28	1 1	11 52	1 2	13 20	2 29	1 47	0 42	21 40	0 21	19 13	4 17	16 27	16 13	12 45	15 43	6 10
S 15	20 4	18 7	0n51	25 21	2 10	25 24	1 57	24 30	1 1	11 56	1 2	13 19	2 29	1 47	0 42	21 39	0 21	19 13	4 17	16 27	16 12	12 46	15 42	6 10
S 16	20 17	19 35	1 55	25 18	2 4	25 22	1 58	24 31	1 2	12 0	1 2	13 17	2 29	1 46	0 42	21 39	0 21	19 13	4 17	16 26	16 11	12 48	15 42	6 9
M17	20 30	20 9	2 55	25 14	1 56	25 19	1 59	24 33	1 2	12 5	1 2	13 16	2 29	1 46	0 42	21 39	0 21	19 12	4 17	16 26	16 10	12 49	15 42	6 9
T 18	20 42	19 46	3 47	25 7	1 47	25 15	2 0	24 34	1 2	12 9	1 2	13 15	2 29	1 45	0 42	21 39	0 21	19 12	4 17	16 25	16 9	12 51	15 42	6 9
W19	20 54	18 25	4 29	24 59	1 37	25 11	2 1	24 35	1 2	12 13	1 2	13 14	2 28	1 45	0 42	21 39	0 20	19 12	4 17	16 24	16 8	12 52	15 41	6 8
T 20	21 6	16 8	4 59	24 49	1 26	25 6	2 2	24 35	1 3	12 17	1 2	13 12	2 28	1 45	0 42	21 38	0 20	19 12	4 17	16 23	16 7	12 54	15 41	6 8
F 21	21 17	13 2	5 14	24 37	1 13	25 0	2 3	24 36	1 3	12 21	1 2	13 11	2 28	1 44	0 42	21 38	0 20	19 12	4 17	16 23	16 6	12 55	15 41	6 8
S 22	21 27	9 13	5 13	24 23	0 59	24 53	2 4	24 36	1 3	12 25	1 2	13 10	2 28	1 44	0 42	21 38	0 20	19 12	4 17	16 22	16 5	12 57	15 40	6 8
S 23	21 38	4 52	4 55	24 7	0 44	24 46	2 4	24 35	1 3	12 29	1 2	13 9	2 28	1 44	0 42	21 38	0 20	19 12	4 17	16 22	16 4	12 58	15 40	6 7
M24	21 48	0 10	4 20	23 50	0 27	24 38	2 5	24 35	1 4	12 33	1 2	13 8	2 28	1 44	0 42	21 37	0 20	19 12	4 17	16 22	16 3	13 0	15 40	6 7
T 25	21 57	4n40	3 28	23 30	0 9	24 29	2 5	24 34	1 4	12 37	1 2	13 7	2 27	1 43	0 42	21 37	0 20	19 12	4 17	16 22	16 2	13 1	15 39	6 7
W26	22 6	9 21	2 22	23 9	0n10	24 19	2 5	24 33	1 4	12 41	1 2	13 6	2 27	1 43	0 42	21 37	0 20	19 12	4 17	16 23	16 1	13 3	15 39	6 6
T 27	22 15	13 34	1 6	22 46	0 30	24 9	2 6	24 32	1 4	12 45	1 2	13 5	2 27	1 43	0 41	21 37	0 20	19 12	4 17	16 23	16 1	13 4	15 39	6 6
F 28	22 23	16 57	0s15	22 22	0 50	23 58	2 6	24 30	1 4	12 49	1 2	13 4	2 27	1 43	0 41	21 36	0 20	19 12	4 16	16 23	16 0	13 6	15 38	6 6
S 29	22 31	19 13	1 36	21 56	1 10	23 47	2 6	24 28	1 5	12 53	1 2	13 3	2 27	1 42	0 41	21 36	0 20	19 12	4 16	16 23	15 59	13 7	15 38	6 6
S 30	22s38	20n 9	2s49	21s30	1n30	23s34	2s 6	24s26	1s 5	12s56	1n 2	13n 2	2s26	1n42	0s41	21s36	0n20	19n12	4s16	16s22	15s58	13s 9	15s37	6n 5

Julian Day Number = 2150530.5, Delta T = 14m15s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°14'56, Lahiri = 12°21'57 Julian Calendar 1 Nov. 1175 == Greg. Calendar 8 Nov. 1175

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ASTRODIENST EPHEMERIS for the year 1175
geocentric

DECEMBER 1175 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 3 40	15♐28'35	2♋ 6	16°R34	24♑36	7♑56	7♏14	11°R27	5°R51	20♑49	25°R47	14°R49	13♏27	1♏59	22♑43	M 1
T 2	5 7 36	16°29'43	16°23	15♐11	25°48	8°43	7°26	11♉24	5♈51	20°51	25♊46	14♏44	13°24	2° 5	22°48	T 2
W 3	5 11 33	17°30'51	0♌15	13°49	27° 0	9°30	7°38	11°20	5°51	20°53	25°45	14°39	13°21	2°12	22°52	W 3
T 4	5 15 30	18°32'00	13°41	12°32	28°12	10°17	7°49	11°17	5°50	20°55	25°43	14°34	13°17	2°19	22°57	T 4
F 5	5 19 26	19°33'10	26°41	11°20	29°25	11° 3	8° 1	11°14	5°50	20°57	25°42	14°30	13°14	2°25	23° 1	F 5
S 6	5 23 23	20°34'20	9♍17	10°17	0♒37	11°50	8°12	11°10	5°50	20°59	25°41	14°28	13°11	2°32	23° 5	S 6
S 7	5 27 19	21°35'30	21°34	9°24	1°48	12°37	8°23	11° 7	5°50	21° 1	25°40	14°D27	13° 8	2°38	23°10	S 7
M 8	5 31 16	22°36'42	3♎35	8°40	3° 0	13°24	8°34	11° 4	5°50	21° 3	25°38	14°28	13° 5	2°45	23°15	M 8
T 9	5 35 12	23°37'53	15°27	8° 7	4°12	14°11	8°46	11° 1	5°D50	21° 5	25°37	14°29	13° 2	2°52	23°19	T 9
W10	5 39 9	24°39'06	27°14	7°45	5°24	14°58	8°57	10°58	5°50	21° 7	25°36	14°31	12°58	2°58	23°24	W10
T 11	5 43 5	25°40'18	9♏ 1	7°33	6°35	15°45	9° 8	10°56	5°50	21° 9	25°35	14°R32	12°55	3° 5	23°28	T 11
F 12	5 47 2	26°41'31	20°53	7°D31	7°47	16°32	9°19	10°53	5°50	21°11	25°34	14°32	12°52	3°12	23°33	F 12
S 13	5 50 59	27°42'44	2♐52	7°38	8°58	17°19	9°30	10°50	5°50	21°13	25°32	14°30	12°49	3°18	23°38	S 13
S 14	5 54 55	28°43'58	15° 3	7°53	10°10	18° 6	9°40	10°48	5°50	21°16	25°31	14°26	12°46	3°25	23°42	S 14
M15	5 58 52	29°45'11	27°27	8°16	11°21	18°53	9°51	10°45	5°51	21°18	25°30	14°20	12°42	3°32	23°47	M15
T 16	6 2 48	0♑46'25	10♑ 3	8°46	12°32	19°41	10° 2	10°43	5°51	21°20	25°29	14°12	12°39	3°38	23°52	T 16
W17	6 6 45	1°47'38	22°54	9°22	13°43	20°28	10°12	10°41	5°51	21°22	25°27	14° 3	12°36	3°45	23°57	W17
T 18	6 10 41	2°48'51	5♒58	10° 4	14°54	21°15	10°22	10°39	5°52	21°24	25°26	13°54	12°33	3°52	24° 1	T 18
F 19	6 14 38	3°50'04	19°13	10°51	16° 5	22° 2	10°33	10°37	5°52	21°26	25°25	13°46	12°30	3°58	24° 6	F 19
S 20	6 18 35	4°51'16	2♓41	11°42	17°16	22°49	10°43	10°35	5°53	21°29	25°24	13°39	12°27	4° 5	24°11	S 20
S 21	6 22 31	5°52'28	16°19	12°37	18°27	23°37	10°53	10°33	5°54	21°31	25°23	13°35	12°23	4°12	24°16	S 21
M22	6 26 28	6°53'39	0♈ 8	13°35	19°37	24°24	11° 3	10°32	5°54	21°33	25°21	13°33	12°20	4°18	24°21	M22
T 23	6 30 24	7°54'50	14° 7	14°37	20°48	25°11	11°13	10°30	5°55	21°35	25°20	13°D33	12°17	4°25	24°26	T 23
W24	6 34 21	8°55'59	28°16	15°42	21°58	25°59	11°23	10°29	5°56	21°37	25°19	13°34	12°14	4°31	24°31	W24
T 25	6 38 17	9°57'09	12♉33	16°49	23° 8	26°46	11°32	10°27	5°57	21°40	25°18	13°R35	12°11	4°38	24°36	T 25
F 26	6 42 14	10°58'17	26°58	17°58	24°18	27°33	11°42	10°26	5°57	21°42	25°17	13°34	12° 8	4°45	24°41	F 26
S 27	6 46 10	11°59'25	11♊26	19°10	25°28	28°21	11°51	10°25	5°58	21°44	25°15	13°31	12° 4	4°51	24°46	S 27
S 28	6 50 7	13° 0'32	25°52	20°23	26°38	29° 8	12° 1	10°24	5°59	21°46	25°14	13°25	12° 1	4°58	24°51	S 28
M29	6 54 4	14° 1'39	10♋11	21°38	27°47	29°55	12°10	10°23	6° 0	21°49	25°13	13°17	11°58	5° 5	24°55	M29
T 30	6 58 0	15° 2'45	24°16	22°55	28°57	0♒43	12°19	10°22	6° 1	21°51	25°12	13° 7	11°55	5°11	25° 0	T 30
W31	7 1 57	16♑ 3'51	8♌ 2	24♐13	0♓ 6	1♒30	12♏28	10♉22	6♈ 3	21♑53	25♊11	12♏56	11♏52	5♏18	25♑ 5	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s45	19n41	3s50	21s 4	1n49	23s21	2s 6	24s23	1s 5	13s 0	1n 3	13n 1	2s26	1n42	0s41	21s35	0n20	19n12	4s16	16s21	15s57	13s10	15s37	6n 5
T 2	22 51	17 59	4 35	20 38	2 6	23 8	2 5	24 20	1 5	13 4	1 3	13 0	2 26	1 42	0 41	21 35	0 20	19 12	4 16	16 20	15 56	13 12	15 37	6 5
W 3	22 57	15 15	5 3	20 14	2 21	22 54	2 5	24 17	1 5	13 8	1 3	12 59	2 26	1 42	0 41	21 35	0 20	19 12	4 16	16 18	15 55	13 13	15 36	6 5
T 4	23 3	11 48	5 13	19 51	2 34	22 39	2 5	24 14	1 5	13 11	1 3	12 58	2 26	1 42	0 41	21 35	0 20	19 12	4 16	16 17	15 54	13 15	15 36	6 4
F 5	23 8	7 53	5 6	19 31	2 45	22 23	2 4	24 10	1 6	13 15	1 3	12 58	2 25	1 42	0 41	21 34	0 20	19 12	4 16	16 16	15 53	13 16	15 35	6 4
S 6	23 12	3 44	4 44	19 14	2 53	22 7	2 3	24 6	1 6	13 19	1 3	12 57	2 25	1 42	0 41	21 34	0 20	19 12	4 16	16 15	15 52	13 18	15 35	6 4
S 7	23 17	0s28	4 10	19 0	2 59	21 50	2 3	24 2	1 6	13 22	1 3	12 56	2 25	1 42	0 41	21 34	0 20	19 12	4 16	16 15	15 51	13 19	15 34	6 4
M 8	23 20	4 34	3 25	18 50	3 3	21 33	2 2	23 58	1 6	13 26	1 3	12 55	2 25	1 42	0 41	21 33	0 20	19 12	4 16	16 15	15 50	13 21	15 34	6 3
T 9	23 23	8 26	2 32	18 43	3 4	21 15	2 1	23 53	1 6	13 29	1 3	12 55	2 24	1 42	0 41	21 33	0 20	19 12	4 16	16 15	15 49	13 22	15 33	6 3
W10	23 26	11 58	1 33	18 40	3 4	20 56	2 0	23 48	1 6	13 33	1 3	12 54	2 24	1 42	0 41	21 33	0 20	19 12	4 16	16 16	15 48	13 24	15 32	6 3
T 11	23 28	15 2	0 30	18 40	3 2	20 37	1 59	23 42	1 6	13 36	1 3	12 54	2 24	1 42	0 41	21 32	0 20	19 12	4 16	16 16	15 47	13 25	15 32	6 3
F 12	23 30	17 30	0n34	18 43	2 59	20 18	1 57	23 37	1 6	13 40	1 3	12 53	2 24	1 42	0 41	21 32	0 20	19 12	4 16	16 16	15 46	13 27	15 31	6 3
S 13	23 31	19 13	1 38	18 48	2 55	19 57	1 56	23 31	1 6	13 43	1 3	12 52	2 23	1 42	0 41	21 32	0 20	19 12	4 16	16 16	15 45	13 28	15 31	6 3
S 14	23 32	20 5	2 38	18 56	2 50	19 37	1 55	23 25	1 7	13 46	1 3	12 52	2 23	1 42	0 41	21 32	0 20	19 12	4 16	16 14	15 44	13 30	15 30	6 2
M15	23 33	20 0	3 31	19 6	2 43	19 15	1 53	23 18	1 7	13 50	1 3	12 51	2 23	1 42	0 41	21 31	0 20	19 12	4 16	16 13	15 43	13 31	15 29	6 2
T 16	23 32	18 55	4 15	19 17	2 36	18 54	1 51	23 12	1 7	13 53	1 4	12 51	2 22	1 43	0 41	21 31	0 20	19 12	4 16	16 10	15 42	13 33	15 29	6 2
W17	23 32	16 53	4 47	19 30	2 29	18 32	1 49	23 5	1 7	13 56	1 4	12 50	2 22	1 43	0 41	21 31	0 20	19 13	4 16	16 7	15 41	13 34	15 28	6 2
T 18	23 31	13 57	5 4	19 44	2 21	18 9	1 48	22 57	1 7	13 59	1 4	12 50	2 22	1 43	0 41	21 30	0 20	19 13	4 16	16 5	15 40	13 36	15 28	6 2
F 19	23 29	10 17	5 6	19 59	2 13	17 46	1 46	22 50	1 7	14 2	1 4	12 50	2 22	1 43	0 41	21 30	0 20	19 13	4 15	16 2	15 39	13 37	15 27	6 2
S 20	23 27	6 3	4 51	20 14	2 4	17 22	1 43	22 42	1 7	14 5	1 4	12 49	2 21	1 44	0 41	21 30	0 20	19 13	4 15	16 0	15 38	13 38	15 26	6 1
S 21	23 25	1 27	4 19	20 30	1 56	16 58	1 41	22 34	1 7	14 9	1 4	12 49	2 21	1 44	0 41	21 29	0 20	19 13	4 15	15 59	15 37	13 40	15 25	6 1
M22	23 22	3n17	3 32	20 46	1 47	16 34	1 39	22 26	1 7	14 12	1 4	12 49	2 21	1 44	0 40	21 29	0 20	19 13	4 15	15 59	15 36	13 41	15 25	6 1
T 23	23 18	7 55	2 32	21 2	1 38	16 9	1 37	22 17	1 7	14 15	1 4	12 49	2 21	1 44	0 40	21 29	0 20	19 13	4 15	15 59	15 35	13 43	15 24	6 1
W24	23 14	12 10	1 21	21 18	1 29	15 44	1 34	22 8	1 7	14 17	1 4	12 49	2 20	1 45	0 40	21 28	0 20	19 13	4 15	15 59	15 34	13 44	15 23	6 1
T 25	23 10	15 46	0 5	21 34	1 20	15 18	1 31	21 59	1 7	14 20	1 4	12 48	2 20	1 45	0 40	21 28	0 20	19 13	4 15	15 59	15 33	13 46	15 23	6 1
F 26	23 5	18 25	1s11	21 49	1 11	14 52	1 29	21 50	1 7	14 23	1 4	12 48	2 20	1 46	0 40	21 28	0 20	19 13	4 15	15 59	15 32	13 47	15 22	6 1
S 27	23 0	19 53	2 23	22 4	1 2	14 26	1 26	21 41	1 7	14 26	1 5	12 48	2 19	1 46	0 40	21 27	0 20	19 13	4 15	15 58	15 32	13 48	15 21	6 1
S 28	22 54	20 3	3 26	22 19	0 53	13 59	1 23	21 31	1 7	14 29	1 5	12 48	2 19	1 46	0 40	21 27	0 20	19 13	4 15	15 56	15 31	13 50	15 20	6 1
M29	22 48	18 55	4 15	22 32	0 44	13 32	1 20	21 21	1 7	14 32	1 5	12 48	2 19	1 47	0 40	21 27	0 20	19 13	4 15	15 54	15 30	13 51	15 19	6 1
T 30	22 41	16 38	4 48	22 45	0 36	13 5	1 17	21 10	1 7	14 34	1 5	12 48	2 18	1 47	0 40	21 26	0 20	19 13	4 15	15 51	15 29	13 53	15 19	6 1
W31	22s34	13n28	5s 3	22s58	0n27	12s38	1s13	21s 0	1s 7	14s37	1n 5	12n48	2s18	1n48	0s40	21s26	0n20	19n13	4s14	15s47	15s28	13s54	15s18	6n 0

Julian Day Number = 2150560.5, Delta T = 14m15s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'00, Lahiri = 12°22'01 Julian Calendar 1 Dec. 1175 == Greg. Calendar 8 Dec. 1175

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1176
geocentric

JANUARY 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 53	17♉ 4'55	21♌27	25♐32	1♓15	2♒17	12♏37	10°R21	6♈ 4	21♉56	25°R10	12°R45	11♏48	5♏25	25♉10	T 1
F 2	7 9 50	18° 6'00	4♍28	26°53	2°24	3° 5	12°46	10♉21	6° 5	21°58	25♊ 9	12♏35	11°45	5°31	25°16	F 2
S 3	7 13 46	19° 7'03	17° 7	28°14	3°33	3°52	12°55	10°21	6° 6	22° 0	25° 8	12°28	11°42	5°38	25°21	S 3
S 4	7 17 43	20° 8'07	29°26	29°37	4°41	4°40	13° 3	10°20	6° 8	22° 2	25° 6	12°24	11°39	5°45	25°26	S 4
M 5	7 21 39	21° 9'09	11♎29	1♉ 1	5°50	5°27	13°12	10°D20	6° 9	22° 5	25° 5	12°21	11°36	5°51	25°31	M 5
T 6	7 25 36	22°10'11	23°22	2°25	6°58	6°14	13°20	10°20	6°10	22° 7	25° 4	12°D21	11°33	5°58	25°36	T 6
W 7	7 29 33	23°11'13	5♏10	3°51	8° 6	7° 2	13°28	10°21	6°12	22° 9	25° 3	12°21	11°29	6° 5	25°41	W 7
T 8	7 33 29	24°12'14	16°58	5°17	9°14	7°49	13°36	10°21	6°13	22°11	25° 2	12°R21	11°26	6°11	25°46	T 8
F 9	7 37 26	25°13'14	28°52	6°44	10°21	8°37	13°44	10°21	6°15	22°14	25° 1	12°20	11°23	6°18	25°51	F 9
S 10	7 41 22	26°14'13	10♐56	8°12	11°29	9°24	13°52	10°22	6°16	22°16	25° 0	12°17	11°20	6°24	25°56	S 10
S 11	7 45 19	27°15'12	23°15	9°41	12°36	10°12	13°59	10°22	6°18	22°18	24°59	12°10	11°17	6°31	26° 1	S 11
M12	7 49 15	28°16'10	5♉51	11°11	13°43	10°59	14° 7	10°23	6°20	22°21	24°58	12° 1	11°14	6°38	26° 6	M12
T 13	7 53 12	29°17'07	18°45	12°41	14°50	11°47	14°14	10°24	6°22	22°23	24°57	11°50	11°10	6°44	26°11	T 13
W14	7 57 8	0♒18'03	1♒58	14°12	15°56	12°34	14°22	10°25	6°23	22°25	24°56	11°37	11° 7	6°51	26°16	W14
T 15	8 1 5	1°18'57	15°26	15°44	17° 3	13°22	14°29	10°26	6°25	22°27	24°55	11°23	11° 4	6°58	26°21	T 15
F 16	8 5 2	2°19'50	29° 8	17°17	18° 9	14° 9	14°36	10°27	6°27	22°30	24°54	11°11	11° 1	7° 4	26°26	F 16
S 17	8 8 58	3°20'42	12♓59	18°50	19°15	14°56	14°42	10°28	6°29	22°32	24°53	11° 1	10°58	7°11	26°31	S 17
S 18	8 12 55	4°21'33	26°58	20°24	20°20	15°44	14°49	10°30	6°31	22°34	24°52	10°54	10°54	7°18	26°36	S 18
M19	8 16 51	5°22'22	10♈59	21°59	21°25	16°31	14°56	10°31	6°33	22°36	24°51	10°50	10°51	7°24	26°41	M19
T 20	8 20 48	6°23'09	25° 3	23°34	22°30	17°19	15° 2	10°33	6°35	22°39	24°51	10°49	10°48	7°31	26°46	T 20
W21	8 24 44	7°23'55	9♉ 8	25°11	23°35	18° 6	15° 8	10°35	6°37	22°41	24°50	10°49	10°45	7°38	26°51	W21
T 22	8 28 41	8°24'39	23°12	26°48	24°40	18°54	15°14	10°36	6°39	22°43	24°49	10°48	10°42	7°44	26°56	T 22
F 23	8 32 37	9°25'22	7♊16	28°26	25°44	19°41	15°20	10°38	6°41	22°45	24°48	10°47	10°39	7°51	27° 1	F 23
S 24	8 36 34	10°26'02	21°19	0♒ 4	26°47	20°28	15°26	10°40	6°44	22°47	24°47	10°43	10°35	7°57	27° 6	S 24
S 25	8 40 31	11°26'42	5♋17	1°44	27°51	21°16	15°31	10°43	6°46	22°50	24°46	10°36	10°32	8° 4	27°11	S 25
M26	8 44 27	12°27'19	19° 8	3°24	28°54	22° 3	15°37	10°45	6°48	22°52	24°46	10°26	10°29	8°11	27°16	M26
T 27	8 48 24	13°27'55	2♌50	5° 6	29°57	22°50	15°42	10°47	6°50	22°54	24°45	10°14	10°26	8°17	27°20	T 27
W28	8 52 20	14°28'29	16°17	6°48	0♈59	23°38	15°47	10°50	6°53	22°56	24°44	10° 0	10°23	8°24	27°25	W28
T 29	8 56 17	15°29'02	29°28	8°31	2° 1	24°25	15°52	10°52	6°55	22°58	24°43	9°47	10°20	8°31	27°30	T 29
F 30	9 0 13	16°29'33	12♍20	10°15	3° 3	25°12	15°57	10°55	6°58	23° 0	24°43	9°36	10°16	8°37	27°35	F 30
S 31	9 4 10	17♒30'02	24♍54	12♒ 0	4♈ 4	26♒ 0	16♏ 2	10♉58	7♈ 0	23♉ 3	24♊42	9♏26	10♏13	8♏44	27♉40	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s27	9n40	5s 0	23s 9	0n19	12s10	1s10	20s49	1s 7	14s40	1n 5	12n48	2s18	1n48	0s40	21s25	0n20	19n13	4s14	15s44	15s27	13s55	15s17	6n 0
F 2	22 19	5 32	4 42	23 20	0 11	11 42	1 6	20 38	1 7	14 42	1 5	12 49	2 18	1 49	0 40	21 25	0 20	19 13	4 14	15 41	15 26	13 57	15 16	6 0
S 3	22 10	1 16	4 11	23 29	0 3	11 13	1 3	20 27	1 7	14 45	1 5	12 49	2 17	1 49	0 40	21 25	0 20	19 13	4 14	15 39	15 25	13 58	15 15	6 0
S 4	22 2	2s57	3 28	23 38	0s 5	10 45	0 59	20 15	1 7	14 47	1 5	12 49	2 17	1 50	0 40	21 24	0 20	19 13	4 14	15 37	15 24	14 0	15 14	6 0
M 5	21 52	6 58	2 37	23 45	0 13	10 16	0 55	20 4	1 6	14 49	1 6	12 49	2 17	1 50	0 40	21 24	0 20	19 13	4 14	15 37	15 23	14 1	15 14	6 0
T 6	21 43	10 39	1 39	23 52	0 21	9 47	0 51	19 52	1 6	14 52	1 6	12 50	2 16	1 51	0 40	21 24	0 20	19 13	4 14	15 37	15 22	14 2	15 13	6 0
W 7	21 33	13 54	0 38	23 57	0 28	9 18	0 47	19 40	1 6	14 54	1 6	12 50	2 16	1 52	0 40	21 23	0 20	19 13	4 14	15 37	15 21	14 4	15 12	6 0
T 8	21 22	16 35	0n25	24 1	0 35	8 49	0 43	19 28	1 6	14 57	1 6	12 50	2 16	1 52	0 40	21 23	0 20	19 14	4 14	15 37	15 20	14 5	15 11	6 0
F 9	21 11	18 35	1 27	24 4	0 42	8 19	0 39	19 15	1 6	14 59	1 6	12 51	2 15	1 53	0 40	21 23	0 20	19 14	4 14	15 36	15 19	14 7	15 10	6 0
S 10	21 0	19 47	2 26	24 6	0 49	7 49	0 35	19 2	1 6	15 1	1 6	12 51	2 15	1 54	0 40	21 22	0 20	19 14	4 13	15 35	15 18	14 8	15 9	6 0
S 11	20 48	20 4	3 19	24 6	0 55	7 20	0 30	18 49	1 6	15 3	1 6	12 52	2 15	1 54	0 40	21 22	0 20	19 14	4 13	15 33	15 17	14 9	15 8	6 0
M12	20 36	19 21	4 4	24 6	1 2	6 50	0 26	18 36	1 6	15 5	1 6	12 52	2 15	1 55	0 40	21 22	0 20	19 14	4 13	15 31	15 16	14 11	15 7	6 0
T 13	20 23	17 39	4 37	24 3	1 8	6 19	0 21	18 23	1 6	15 7	1 7	12 53	2 14	1 56	0 40	21 21	0 20	19 14	4 13	15 27	15 15	14 12	15 6	6 0
W14	20 10	14 59	4 57	24 0	1 13	5 49	0 16	18 9	1 5	15 9	1 7	12 53	2 14	1 56	0 40	21 21	0 20	19 14	4 13	15 23	15 14	14 13	15 5	6 0
T 15	19 57	11 30	5 0	23 55	1 19	5 19	0 12	17 56	1 5	15 11	1 7	12 54	2 14	1 57	0 40	21 20	0 20	19 14	4 13	15 19	15 13	14 15	15 4	6 0
F 16	19 44	7 21	4 46	23 49	1 24	4 49	0 7	17 42	1 5	15 13	1 7	12 55	2 13	1 58	0 40	21 20	0 20	19 14	4 13	15 15	15 12	14 16	15 4	6 0
S 17	19 30	2 46	4 16	23 41	1 29	4 18	0 2	17 28	1 5	15 15	1 7	12 55	2 13	1 59	0 40	21 20	0 20	19 14	4 13	15 12	15 11	14 17	15 3	6 0
S 18	19 15	1n59	3 30	23 32	1 34	3 48	0n 3	17 13	1 5	15 17	1 7	12 56	2 13	2 0	0 39	21 19	0 20	19 14	4 13	15 10	15 10	14 19	15 2	6 0
M19	19 1	6 41	2 31	23 21	1 38	3 17	0 8	16 59	1 5	15 19	1 7	12 57	2 12	2 0	0 39	21 19	0 20	19 14	4 12	15 9	15 9	14 20	15 1	6 1
T 20	18 46	11 1	1 22	23 9	1 42	2 47	0 14	16 44	1 4	15 20	1 8	12 58	2 12	2 1	0 39	21 19	0 20	19 14	4 12	15 8	15 8	14 22	15 0	6 1
W21	18 30	14 44	0 9	22 56	1 46	2 16	0 19	16 29	1 4	15 22	1 8	12 58	2 12	2 2	0 39	21 18	0 20	19 15	4 12	15 8	15 7	14 23	14 59	6 1
T 22	18 14	17 36	1s 5	22 41	1 50	1 45	0 25	16 14	1 4	15 24	1 8	12 59	2 12	2 3	0 39	21 18	0 20	19 15	4 12	15 8	15 6	14 24	14 58	6 1
F 23	17 58	19 24	2 15	22 24	1 53	1 15	0 30	15 59	1 4	15 25	1 8	13 0	2 11	2 4	0 39	21 18	0 20	19 15	4 12	15 7	15 5	14 26	14 57	6 1
S 24	17 42	19 59	3 17	22 6	1 56	0 44	0 36	15 44	1 4	15 27	1 8	13 1	2 11	2 5	0 39	21 17	0 20	19 15	4 12	15 6	15 4	14 27	14 56	6 1
S 25	17 25	19 21	4 6	21 47	1 58	0 14	0 41	15 29	1 3	15 28	1 8	13 2	2 11	2 6	0 39	21 17	0 20	19 15	4 12	15 4	15 3	14 28	14 55	6 1
M26	17 8	17 33	4 40	21 26	2 0	0n17	0 47	15 13	1 3	15 30	1 8	13 3	2 10	2 7	0 39	21 17	0 20	19 15	4 12	15 1	15 2	14 29	14 54	6 1
T 27	16 51	14 47	4 58	21 3	2 2	0 47	0 53	14 57	1 3	15 31	1 9	13 4	2 10	2 8	0 39	21 16	0 20	19 15	4 11	14 57	15 1	14 31	14 52	6 1
W28	16 34	11 17	4 58	20 38	2 3	1 17	0 59	14 41	1 3	15 33	1 9	13 5	2 10	2 9	0 39	21 16	0 20	19 15	4 11	14 53	15 0	14 32	14 51	6 1
T 29	16 16	7 17	4 43	20 13	2 4	1 48	1 5	14 25	1 2	15 34	1 9	13 6	2 10	2 10	0 39	21 15	0 20	19 15	4 11	14 49	14 59	14 33	14 50	6 2
F 30	15 58	3 4	4 13	19 45	2 5	2 18	1 11	14 9	1 2	15 35	1 9	13 7	2 9	2 11	0 39	21 15	0 20	19 15	4 11	14 45	14 58	14 35	14 49	6 2
S 31	15s39	1s12	3s32	19s16	2s 5	2n48	1n17	13s53	1s 2	15s36	1n 9	13n 8	2s 9	2n12	0s39	21s15	0n20	19n16	4s11	14s42	14s57	14s36	14s48	6n 2

Julian Day Number = 2150591.5, Delta T = 14m14s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'04, Lahiri = 12°22'05 Julian Calendar 1 Jan. 1176 == Greg. Calendar 8 Jan. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

FEBRUARY 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 8 6	18♒30'31	7♎11	13♒45	5♈ 5	26♒47	16♏ 6	11♉ 1	7♈ 3	23♑ 5	24°R41	9°R20	10♏10	8♏51	27♑45	S 1
M 2	9 12 3	19°30'57	19°15	15°32	6° 5	27°34	16°10	11° 4	7° 5	23° 7	24♊41	9♏16	10° 7	8°57	27°49	M 2
T 3	9 16 0	20°31'23	1♏ 8	17°20	7° 5	28°21	16°14	11° 7	7° 8	23° 9	24°40	9°14	10° 4	9° 4	27°54	T 3
W 4	9 19 56	21°31'47	12°56	19° 8	8° 4	29° 9	16°18	11°10	7°10	23°11	24°39	9°D14	10° 0	9°11	27°59	W 4
T 5	9 23 53	22°32'09	24°44	20°58	9° 3	29°56	16°22	11°13	7°13	23°13	24°39	9°R14	9°57	9°17	28° 3	T 5
F 6	9 27 49	23°32'30	6♐39	22°48	10° 2	0♓43	16°26	11°17	7°16	23°15	24°38	9°13	9°54	9°24	28° 8	F 6
S 7	9 31 46	24°32'50	18°44	24°40	11° 0	1°30	16°29	11°20	7°18	23°17	24°38	9°11	9°51	9°31	28°13	S 7
S 8	9 35 42	25°33'08	1♑ 6	26°32	11°57	2°17	16°32	11°24	7°21	23°19	24°37	9° 6	9°48	9°37	28°17	S 8
M 9	9 39 39	26°33'24	13°48	28°25	12°54	3° 4	16°35	11°28	7°24	23°21	24°37	8°58	9°45	9°44	28°22	M 9
T 10	9 43 35	27°33'39	26°53	0♓19	13°51	3°52	16°38	11°31	7°27	23°23	24°36	8°48	9°41	9°50	28°27	T 10
W11	9 47 32	28°33'52	10♒20	2°13	14°47	4°39	16°41	11°35	7°29	23°25	24°36	8°37	9°38	9°57	28°31	W11
T 12	9 51 29	29°34'04	24° 9	4° 8	15°42	5°26	16°44	11°39	7°32	23°27	24°35	8°25	9°35	10° 4	28°36	T 12
F 13	9 55 25	0♓34'13	8♓15	6° 4	16°37	6°13	16°46	11°43	7°35	23°29	24°35	8°14	9°32	10°10	28°40	F 13
S 14	9 59 22	1°34'21	22°34	7°59	17°31	7° 0	16°48	11°48	7°38	23°31	24°35	8° 5	9°29	10°17	28°44	S 14
S 15	10 3 18	2°34'26	6♈59	9°55	18°24	7°47	16°50	11°52	7°41	23°33	24°34	7°59	9°26	10°24	28°49	S 15
M16	10 7 15	3°34'29	21°25	11°52	19°17	8°34	16°52	11°56	7°44	23°34	24°34	7°56	9°22	10°30	28°53	M16
T 17	10 11 11	4°34'31	5♉47	13°47	20° 9	9°21	16°53	12° 1	7°47	23°36	24°33	7°D55	9°19	10°37	28°58	T 17
W18	10 15 8	5°34'30	20° 2	15°43	21° 0	10° 8	16°55	12° 5	7°50	23°38	24°33	7°55	9°16	10°44	29° 2	W18
T 19	10 19 4	6°34'27	4♊ 9	17°37	21°50	10°54	16°56	12°10	7°53	23°40	24°33	7°R55	9°13	10°50	29° 6	T 19
F 20	10 23 1	7°34'21	18° 6	19°30	22°40	11°41	16°57	12°14	7°56	23°42	24°33	7°55	9°10	10°57	29°10	F 20
S 21	10 26 57	8°34'14	1♋53	21°22	23°29	12°28	16°58	12°19	7°59	23°43	24°32	7°53	9° 6	11° 4	29°14	S 21
S 22	10 30 54	9°34'04	15°31	23°12	24°17	13°15	16°59	12°24	8° 2	23°45	24°32	7°48	9° 3	11°10	29°19	S 22
M23	10 34 51	10°33'52	28°57	24°59	25° 4	14° 2	16°59	12°29	8° 5	23°47	24°32	7°41	9° 0	11°17	29°23	M23
T 24	10 38 47	11°33'37	12♌13	26°44	25°50	14°48	16°59	12°34	8° 9	23°49	24°32	7°31	8°57	11°23	29°27	T 24
W25	10 42 44	12°33'20	25°16	28°25	26°35	15°35	16°R59	12°39	8°12	23°50	24°32	7°22	8°54	11°30	29°31	W25
T 26	10 46 40	13°33'02	8♍ 6	0♈ 3	27°20	16°22	16°59	12°44	8°15	23°52	24°32	7°12	8°51	11°37	29°35	T 26
F 27	10 50 37	14°32'41	20°42	1°36	28° 3	17° 8	16°59	12°50	8°18	23°53	24°31	7° 3	8°47	11°43	29°39	F 27
S 28	10 54 33	15°32'18	3♎ 4	3° 4	28°45	17°55	16°59	12°55	8°21	23°55	24°31	6°56	8°44	11°50	29°43	S 28
S 29	10 58 30	16♓31'53	15♎14	4♈27	29♈26	18♓41	16♏58	13♉ 0	8♈25	23♑57	24♊31	6♏51	8♏41	11♏57	29♑46	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s21	5s20	2s41	18s45	2s 4	3n18	1n23	13s36	1s 2	15s37	1n 9	13n10	2s 9	2n13	0s39	21s14	0n20	19n16	4s11	14s40	14s56	14s37	14s47	6n 2
M 2	15 2	9 10	1 44	18 13	2 4	3 48	1 29	13 20	1 1	15 38	1 9	13 11	2 8	2 14	0 39	21 14	0 20	19 16	4 11	14 39	14 55	14 39	14 46	6 2
T 3	14 43	12 35	0 43	17 39	2 2	4 17	1 36	13 3	1 1	15 39	1 10	13 12	2 8	2 15	0 39	21 14	0 20	19 16	4 10	14 38	14 54	14 40	14 45	6 2
W 4	14 23	15 29	0n20	17 4	2 1	4 47	1 42	12 46	1 1	15 40	1 10	13 13	2 8	2 16	0 39	21 13	0 20	19 16	4 10	14 38	14 53	14 41	14 44	6 2
T 5	14 4	17 43	1 21	16 26	1 58	5 16	1 49	12 29	1 1	15 41	1 10	13 14	2 8	2 17	0 39	21 13	0 19	19 16	4 10	14 38	14 52	14 43	14 43	6 3
F 6	13 44	19 13	2 20	15 48	1 56	5 45	1 55	12 12	1 0	15 42	1 10	13 16	2 7	2 18	0 39	21 13	0 19	19 16	4 10	14 38	14 51	14 44	14 42	6 3
S 7	13 24	19 51	3 14	15 7	1 52	6 14	2 2	11 55	1 0	15 43	1 10	13 17	2 7	2 19	0 39	21 12	0 19	19 16	4 10	14 37	14 50	14 45	14 41	6 3
S 8	13 4	19 33	3 59	14 26	1 49	6 43	2 8	11 38	1 0	15 44	1 10	13 19	2 7	2 20	0 39	21 12	0 19	19 16	4 10	14 35	14 49	14 46	14 40	6 3
M 9	12 43	18 17	4 34	13 42	1 44	7 11	2 15	11 21	0 59	15 45	1 10	13 20	2 6	2 21	0 39	21 12	0 19	19 17	4 10	14 33	14 48	14 48	14 39	6 3
T 10	12 22	16 2	4 56	12 57	1 39	7 40	2 22	11 3	0 59	15 45	1 11	13 21	2 6	2 22	0 39	21 11	0 19	19 17	4 10	14 30	14 47	14 49	14 38	6 4
W11	12 1	12 52	5 2	12 11	1 34	8 8	2 29	10 46	0 59	15 46	1 11	13 23	2 6	2 23	0 39	21 11	0 19	19 17	4 9	14 26	14 46	14 50	14 36	6 4
T 12	11 40	8 57	4 51	11 24	1 28	8 36	2 35	10 28	0 58	15 46	1 11	13 24	2 6	2 25	0 39	21 11	0 19	19 17	4 9	14 22	14 45	14 51	14 35	6 4
F 13	11 19	4 27	4 22	10 35	1 21	9 3	2 42	10 10	0 58	15 47	1 11	13 26	2 5	2 26	0 39	21 10	0 19	19 17	4 9	14 19	14 44	14 53	14 34	6 4
S 14	10 58	0n21	3 37	9 45	1 13	9 30	2 49	9 52	0 58	15 47	1 11	13 27	2 5	2 27	0 39	21 10	0 19	19 17	4 9	14 16	14 43	14 54	14 33	6 4
S 15	10 36	5 11	2 37	8 53	1 5	9 57	2 56	9 35	0 57	15 48	1 11	13 29	2 5	2 28	0 39	21 10	0 19	19 17	4 9	14 14	14 42	14 55	14 32	6 5
M16	10 14	9 44	1 27	8 1	0 57	10 24	3 3	9 17	0 57	15 48	1 12	13 30	2 5	2 29	0 39	21 9	0 19	19 17	4 9	14 13	14 41	14 56	14 31	6 5
T 17	9 52	13 41	0 11	7 8	0 48	10 50	3 10	8 58	0 57	15 49	1 12	13 32	2 4	2 31	0 39	21 9	0 19	19 18	4 8	14 12	14 40	14 58	14 30	6 5
W18	9 30	16 48	1s 4	6 14	0 38	11 16	3 17	8 40	0 56	15 49	1 12	13 34	2 4	2 32	0 39	21 9	0 19	19 18	4 8	14 13	14 39	14 59	14 29	6 5
T 19	9 8	18 51	2 15	5 20	0 28	11 42	3 24	8 22	0 56	15 49	1 12	13 35	2 4	2 33	0 39	21 9	0 19	19 18	4 8	14 13	14 38	15 0	14 28	6 6
F 20	8 46	19 44	3 18	4 26	0 17	12 7	3 31	8 4	0 56	15 49	1 12	13 37	2 4	2 34	0 39	21 8	0 19	19 18	4 8	14 13	14 37	15 1	14 27	6 6
S 21	8 24	19 24	4 8	3 31	0 5	12 32	3 38	7 46	0 55	15 49	1 12	13 39	2 3	2 35	0 39	21 8	0 19	19 18	4 8	14 12	14 36	15 3	14 25	6 6
S 22	8 1	17 57	4 43	2 37	0n 7	12 56	3 45	7 27	0 55	15 49	1 12	13 40	2 3	2 37	0 39	21 8	0 19	19 18	4 8	14 10	14 35	15 4	14 24	6 6
M23	7 38	15 32	5 2	1 43	0 19	13 21	3 52	7 9	0 54	15 49	1 13	13 42	2 3	2 38	0 39	21 7	0 19	19 18	4 8	14 8	14 34	15 5	14 23	6 7
T 24	7 16	12 20	5 4	0 50	0 31	13 44	3 59	6 50	0 54	15 49	1 13	13 44	2 3	2 39	0 38	21 7	0 19	19 19	4 7	14 5	14 33	15 6	14 22	6 7
W25	6 53	8 35	4 51	0n 3	0 44	14 7	4 6	6 32	0 54	15 49	1 13	13 46	2 2	2 41	0 38	21 7	0 19	19 19	4 7	14 2	14 32	15 8	14 21	6 7
T 26	6 30	4 31	4 23	0 53	0 57	14 30	4 14	6 13	0 53	15 49	1 13	13 47	2 2	2 42	0 38	21 6	0 19	19 19	4 7	13 58	14 31	15 9	14 20	6 8
F 27	6 7	0 18	3 42	1 43	1 10	14 53	4 21	5 55	0 53	15 49	1 13	13 49	2 2	2 43	0 38	21 6	0 19	19 19	4 7	13 56	14 30	15 10	14 19	6 8
S 28	5 44	3s51	2 51	2 30	1 23	15 14	4 28	5 36	0 52	15 48	1 13	13 51	2 2	2 44	0 38	21 6	0 19	19 19	4 7	13 53	14 29	15 11	14 18	6 8
S 29	5s20	7s46	1s54	3n15	1n36	15n36	4n35	5s17	0s52	15s48	1n13	13n53	2s 1	2n46	0s38	21s 6	0n19	19n19	4s 7	13s52	14s27	15s12	14s17	6n 9

Julian Day Number = 2150622.5, Delta T = 14m14s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'09, Lahiri = 12°22'09 Julian Calendar 1 Feb. 1176 == Greg. Calendar 8 Feb. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

MARCH 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 2 26	17♓31'26	27♎13	5♈44	0♉ 6	19♓28	16°R57	13♉ 6	8♈28	23♑58	24°R31	6°R48	8♏38	12♏ 3	29♑50	M 1
T 2	11 6 23	18°30'58	9♏ 5	6°56	0°44	20°14	16♏56	13°11	8°31	24° 0	24°D31	6°D48	8°35	12°10	29°54	T 2
W 3	11 10 20	19°30'27	20°52	8° 0	1°22	21° 1	16°55	13°17	8°34	24° 1	24♊31	6♏49	8°31	12°17	29°58	W 3
T 4	11 14 16	20°29'55	2♐41	8°58	1°58	21°47	16°53	13°23	8°38	24° 3	24°31	6°50	8°28	12°23	0♒ 1	T 4
F 5	11 18 13	21°29'21	14°35	9°50	2°32	22°34	16°52	13°28	8°41	24° 4	24°31	6°51	8°25	12°30	0° 5	F 5
S 6	11 22 9	22°28'45	26°40	10°33	3° 6	23°20	16°50	13°34	8°44	24° 6	24°32	6°R51	8°22	12°37	0° 8	S 6
S 7	11 26 6	23°28'07	9♑ 1	11°10	3°38	24° 6	16°48	13°40	8°48	24° 7	24°32	6°50	8°19	12°43	0°12	S 7
M 8	11 30 2	24°27'28	21°42	11°39	4° 8	24°52	16°46	13°46	8°51	24° 8	24°32	6°47	8°16	12°50	0°15	M 8
T 9	11 33 59	25°26'46	4♒48	12° 0	4°37	25°39	16°44	13°52	8°54	24°10	24°32	6°42	8°12	12°56	0°19	T 9
W10	11 37 55	26°26'03	18°20	12°14	5° 4	26°25	16°41	13°58	8°58	24°11	24°32	6°36	8° 9	13° 3	0°22	W10
T 11	11 41 52	27°25'18	2♓17	12°R21	5°30	27°11	16°38	14° 4	9° 1	24°12	24°32	6°30	8° 6	13°10	0°25	T 11
F 12	11 45 49	28°24'30	16°37	12°20	5°53	27°57	16°36	14°11	9° 4	24°13	24°33	6°24	8° 3	13°16	0°29	F 12
S 13	11 49 45	29°23'41	1♈15	12°12	6°16	28°43	16°33	14°17	9° 8	24°15	24°33	6°19	8° 0	13°23	0°32	S 13
S 14	11 53 42	0♈22'50	16° 4	11°57	6°36	29°29	16°29	14°23	9°11	24°16	24°33	6°15	7°57	13°30	0°35	S 14
M15	11 57 38	1°21'56	0♉55	11°36	6°54	0♈15	16°26	14°30	9°15	24°17	24°33	6°D14	7°53	13°36	0°38	M15
T 16	12 1 35	2°21'01	15°41	11° 9	7°10	1° 1	16°22	14°36	9°18	24°18	24°34	6°14	7°50	13°43	0°41	T 16
W17	12 5 31	3°20'03	0♊17	10°37	7°24	1°47	16°19	14°43	9°22	24°19	24°34	6°15	7°47	13°50	0°44	W17
T 18	12 9 28	4°19'03	14°38	10° 1	7°37	2°33	16°15	14°49	9°25	24°20	24°34	6°17	7°44	13°56	0°47	T 18
F 19	12 13 24	5°18'00	28°41	9°21	7°47	3°19	16°11	14°56	9°28	24°21	24°35	6°18	7°41	14° 3	0°50	F 19
S 20	12 17 21	6°16'55	12♋27	8°38	7°54	4° 4	16° 6	15° 2	9°32	24°22	24°35	6°R18	7°37	14°10	0°53	S 20
S 21	12 21 17	7°15'48	25°55	7°53	8° 0	4°50	16° 2	15° 9	9°35	24°23	24°36	6°17	7°34	14°16	0°55	S 21
M22	12 25 14	8°14'38	9♌ 7	7° 8	8° 3	5°36	15°57	15°16	9°39	24°24	24°36	6°14	7°31	14°23	0°58	M22
T 23	12 29 11	9°13'26	22° 4	6°21	8°R 3	6°21	15°53	15°23	9°42	24°25	24°37	6°10	7°28	14°30	1° 1	T 23
W24	12 33 7	10°12'12	4♍46	5°36	8° 2	7° 7	15°48	15°30	9°46	24°26	24°37	6° 6	7°25	14°36	1° 3	W24
T 25	12 37 4	11°10'56	17°16	4°52	7°57	7°52	15°43	15°36	9°49	24°27	24°38	6° 2	7°22	14°43	1° 6	T 25
F 26	12 41 0	12° 9'37	29°35	4°10	7°51	8°38	15°38	15°43	9°52	24°28	24°38	5°58	7°18	14°49	1° 8	F 26
S 27	12 44 57	13° 8'16	11♎43	3°32	7°42	9°23	15°32	15°50	9°56	24°29	24°39	5°56	7°15	14°56	1°10	S 27
S 28	12 48 53	14° 6'54	23°43	2°56	7°30	10° 9	15°27	15°57	9°59	24°29	24°39	5°54	7°12	15° 3	1°13	S 28
M29	12 52 50	15° 5'29	5♏37	2°25	7°16	10°54	15°21	16° 4	10° 3	24°30	24°40	5°D53	7° 9	15° 9	1°15	M29
T 30	12 56 46	16° 4'03	17°26	1°58	6°59	11°39	15°16	16°12	10° 6	24°31	24°41	5°54	7° 6	15°16	1°17	T 30
W31	13 0 43	17♈ 2'35	29♏13	1♈36	6♉40	12♈25	15♏10	16♉19	10♈10	24♑31	24♊41	5♏55	7♏ 2	15♏23	1♒19	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s57	11s20	0s52	3n57	1n49	15n56	4n42	4s59	0s52	15s48	1n14	13n55	2s 1	2n47	0s38	21s 5	0n19	19n19	4s 7	13s51	14s26	15s14	14s16	6n 9
T 2	4 34	14 23	0n12	4 37	2 2	16 17	4 49	4 40	0 51	15 47	1 14	13 57	2 1	2 48	0 38	21 5	0 19	19 20	4 6	13 51	14 25	15 15	14 15	6 9
W 3	4 10	16 50	1 16	5 14	2 14	16 36	4 55	4 21	0 51	15 47	1 14	13 58	2 1	2 50	0 38	21 5	0 19	19 20	4 6	13 51	14 24	15 16	14 14	6 9
T 4	3 47	18 34	2 16	5 47	2 25	16 56	5 2	4 2	0 50	15 46	1 14	14 0	2 1	2 51	0 38	21 5	0 19	19 20	4 6	13 51	14 23	15 17	14 12	6 10
F 5	3 23	19 30	3 10	6 18	2 36	17 14	5 9	3 44	0 50	15 46	1 14	14 2	2 0	2 52	0 38	21 4	0 19	19 20	4 6	13 52	14 22	15 18	14 11	6 10
S 6	3 0	19 33	3 58	6 44	2 46	17 32	5 16	3 25	0 49	15 45	1 14	14 4	2 0	2 54	0 38	21 4	0 19	19 20	4 6	13 52	14 21	15 20	14 10	6 11
S 7	2 36	18 40	4 35	7 7	2 55	17 49	5 22	3 6	0 49	15 44	1 14	14 6	2 0	2 55	0 38	21 4	0 19	19 20	4 6	13 51	14 20	15 21	14 9	6 11
M 8	2 13	16 51	5 0	7 26	3 3	18 6	5 29	2 47	0 48	15 44	1 15	14 8	2 0	2 56	0 38	21 4	0 19	19 21	4 5	13 50	14 19	15 22	14 8	6 11
T 9	1 49	14 8	5 10	7 40	3 10	18 22	5 35	2 28	0 48	15 43	1 15	14 10	2 0	2 58	0 38	21 3	0 19	19 21	4 5	13 49	14 18	15 23	14 7	6 12
W10	1 25	10 35	5 4	7 51	3 15	18 37	5 41	2 9	0 47	15 42	1 15	14 12	1 59	2 59	0 38	21 3	0 19	19 21	4 5	13 47	14 17	15 24	14 6	6 12
T 11	1 2	6 21	4 40	7 58	3 20	18 51	5 47	1 51	0 47	15 41	1 15	14 14	1 59	3 0	0 38	21 3	0 19	19 21	4 5	13 45	14 16	15 25	14 5	6 12
F 12	0 38	1 39	3 58	8 0	3 23	19 5	5 53	1 32	0 46	15 40	1 15	14 16	1 59	3 2	0 38	21 3	0 19	19 21	4 5	13 43	14 15	15 27	14 4	6 13
S 13	0 15	3n14	2 59	7 58	3 24	19 18	5 59	1 13	0 46	15 39	1 15	14 18	1 59	3 3	0 38	21 3	0 19	19 21	4 5	13 41	14 14	15 28	14 3	6 13
S 14	0n 9	8 0	1 48	7 52	3 24	19 30	6 5	0 54	0 46	15 38	1 15	14 20	1 59	3 4	0 38	21 2	0 19	19 22	4 5	13 40	14 13	15 29	14 2	6 13
M15	0 33	12 18	0 29	7 42	3 22	19 41	6 10	0 35	0 45	15 37	1 15	14 22	1 58	3 6	0 38	21 2	0 19	19 22	4 4	13 39	14 12	15 30	14 1	6 14
T 16	0 56	15 47	0s52	7 29	3 19	19 52	6 15	0 16	0 45	15 36	1 16	14 24	1 58	3 7	0 38	21 2	0 19	19 22	4 4	13 40	14 11	15 31	14 0	6 14
W17	1 20	18 13	2 8	7 12	3 14	20 1	6 20	0n 2	0 44	15 35	1 16	14 27	1 58	3 8	0 38	21 2	0 19	19 22	4 4	13 40	14 10	15 32	13 59	6 15
T 18	1 43	19 26	3 15	6 51	3 7	20 10	6 25	0 21	0 44	15 34	1 16	14 29	1 58	3 10	0 38	21 2	0 19	19 22	4 4	13 40	14 9	15 34	13 58	6 15
F 19	2 7	19 24	4 9	6 28	2 59	20 17	6 29	0 40	0 43	15 32	1 16	14 31	1 58	3 11	0 38	21 1	0 19	19 22	4 4	13 41	14 8	15 35	13 57	6 15
S 20	2 30	18 12	4 47	6 2	2 49	20 24	6 33	0 59	0 43	15 31	1 16	14 33	1 57	3 12	0 38	21 1	0 19	19 22	4 4	13 41	14 7	15 36	13 56	6 16
S 21	2 54	16 0	5 9	5 34	2 38	20 29	6 37	1 17	0 42	15 30	1 16	14 35	1 57	3 14	0 38	21 1	0 19	19 23	4 4	13 40	14 6	15 37	13 55	6 16
M22	3 17	13 1	5 13	5 4	2 26	20 33	6 40	1 36	0 41	15 28	1 16	14 37	1 57	3 15	0 38	21 1	0 19	19 23	4 3	13 39	14 5	15 38	13 54	6 17
T 23	3 40	9 27	5 2	4 33	2 12	20 36	6 43	1 54	0 41	15 27	1 16	14 39	1 57	3 17	0 38	21 1	0 19	19 23	4 3	13 38	14 4	15 39	13 53	6 17
W24	4 3	5 32	4 36	4 2	1 58	20 38	6 46	2 13	0 40	15 25	1 16	14 41	1 57	3 18	0 38	21 1	0 19	19 23	4 3	13 37	14 3	15 40	13 52	6 17
T 25	4 27	1 25	3 57	3 31	1 42	20 39	6 48	2 32	0 40	15 24	1 16	14 44	1 57	3 19	0 38	21 0	0 19	19 23	4 3	13 35	14 2	15 41	13 51	6 18
F 26	4 50	2s41	3 7	2 59	1 27	20 38	6 50	2 50	0 39	15 22	1 16	14 46	1 56	3 21	0 38	21 0	0 19	19 23	4 3	13 34	14 1	15 43	13 50	6 18
S 27	5 13	6 38	2 9	2 29	1 10	20 36	6 51	3 8	0 39	15 21	1 16	14 48	1 56	3 22	0 38	21 0	0 19	19 24	4 3	13 33	14 0	15 44	13 49	6 19
S 28	5 35	10 17	1 7	2 0	0 54	20 32	6 51	3 27	0 38	15 19	1 17	14 50	1 56	3 23	0 38	21 0	0 19	19 24	4 3	13 33	13 59	15 45	13 49	6 19
M29	5 58	13 28	0 2	1 32	0 37	20 28	6 51	3 45	0 38	15 17	1 17	14 52	1 56	3 25	0 38	21 0	0 19	19 24	4 2	13 33	13 58	15 46	13 48	6 19
T 30	6 21	16 6	1n 3	1 6	0 21	20 22	6 51	4 4	0 37	15 16	1 17	14 54	1 56	3 26	0 38	21 0	0 19	19 24	4 2	13 33	13 56	15 47	13 47	6 20
W31	6n43	18s 2	2n 6	0n43	0n 5	20n14	6n49	4n22	0s37	15s14	1n17	14n57	1s56	3n27	0s38	21s 0	0n19	19n24	4s 2	13s33	13s55	15s48	13s46	6n20

Julian Day Number = 2150651.5, Delta T = 14m14s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'13, Lahiri = 12°22'13 Julian Calendar 1 March 1176 == Greg. Calendar 8 March 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

APRIL 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 40	18♈ 1'05	11♐ 3	1°R18	6°R19	13♈10	15°R 4	16♉26	10♈13	24♑32	24♊42	5♏56	6♏59	15♏29	1♒21	T 1
F 2	13 8 36	18°59'33	22°58	1♈ 6	5♉56	13°55	14♏58	16°33	10°16	24°33	24°43	5°58	6°56	15°36	1°23	F 2
S 3	13 12 33	19°58'00	5♑ 3	0°59	5°30	14°40	14°52	16°40	10°20	24°33	24°43	5°59	6°53	15°43	1°25	S 3
S 4	13 16 29	20°56'25	17°22	0°D56	5° 3	15°25	14°45	16°48	10°23	24°34	24°44	6°R 0	6°50	15°49	1°27	S 4
M 5	13 20 26	21°54'48	0♒ 1	0°59	4°33	16°10	14°39	16°55	10°27	24°34	24°45	5°59	6°47	15°56	1°29	M 5
T 6	13 24 22	22°53'10	13° 2	1° 7	4° 2	16°55	14°32	17° 2	10°30	24°35	24°46	5°59	6°43	16° 3	1°31	T 6
W 7	13 28 19	23°51'30	26°30	1°19	3°29	17°40	14°26	17°10	10°33	24°35	24°46	5°57	6°40	16° 9	1°32	W 7
T 8	13 32 15	24°49'49	10♓24	1°36	2°55	18°25	14°19	17°17	10°37	24°36	24°47	5°56	6°37	16°16	1°34	T 8
F 9	13 36 12	25°48'06	24°44	1°58	2°19	19° 9	14°12	17°25	10°40	24°36	24°48	5°55	6°34	16°22	1°35	F 9
S 10	13 40 9	26°46'21	9♈27	2°24	1°43	19°54	14° 5	17°32	10°43	24°36	24°49	5°54	6°31	16°29	1°37	S 10
S 11	13 44 5	27°44'35	24°26	2°55	1° 6	20°39	13°58	17°40	10°47	24°37	24°50	5°53	6°28	16°36	1°38	S 11
M12	13 48 2	28°42'47	9♉33	3°29	0°29	21°24	13°51	17°47	10°50	24°37	24°51	5°D53	6°24	16°42	1°40	M12
T 13	13 51 58	29°40'57	24°39	4° 7	29♈51	22° 8	13°44	17°55	10°53	24°37	24°52	5°53	6°21	16°49	1°41	T 13
W14	13 55 55	0♉39'05	9♊35	4°49	29°13	22°53	13°37	18° 2	10°57	24°37	24°53	5°54	6°18	16°56	1°42	W14
T 15	13 59 51	1°37'11	24°14	5°35	28°35	23°37	13°30	18°10	11° 0	24°37	24°54	5°54	6°15	17° 2	1°43	T 15
F 16	14 3 48	2°35'16	8♋32	6°24	27°58	24°22	13°22	18°18	11° 3	24°38	24°55	5°55	6°12	17° 9	1°44	F 16
S 17	14 7 44	3°33'18	22°26	7°17	27°22	25° 6	13°15	18°25	11° 6	24°38	24°55	5°55	6° 8	17°16	1°45	S 17
S 18	14 11 41	4°31'19	5♌56	8°13	26°46	25°50	13° 7	18°33	11°10	24°38	24°56	5°R55	6° 5	17°22	1°46	S 18
M19	14 15 38	5°29'17	19° 3	9°11	26°12	26°35	13° 0	18°41	11°13	24°38	24°58	5°D55	6° 2	17°29	1°47	M19
T 20	14 19 34	6°27'14	1♍50	10°13	25°39	27°19	12°52	18°48	11°16	24°R38	24°59	5°55	5°59	17°36	1°48	T 20
W21	14 23 31	7°25'08	14°20	11°18	25° 8	28° 3	12°45	18°56	11°19	24°38	25° 0	5°55	5°56	17°42	1°48	W21
T 22	14 27 27	8°23'01	26°37	12°25	24°38	28°47	12°37	19° 4	11°22	24°38	25° 1	5°55	5°53	17°49	1°49	T 22
F 23	14 31 24	9°20'52	8♎42	13°36	24°10	29°31	12°30	19°11	11°26	24°38	25° 2	5°55	5°49	17°56	1°49	F 23
S 24	14 35 20	10°18'42	20°39	14°48	23°44	0♉15	12°22	19°19	11°29	24°38	25° 3	5°56	5°46	18° 2	1°50	S 24
S 25	14 39 17	11°16'30	2♏31	16° 4	23°21	0°59	12°14	19°27	11°32	24°37	25° 4	5°R56	5°43	18° 9	1°50	S 25
M26	14 43 13	12°14'16	14°20	17°22	22°59	1°43	12° 7	19°35	11°35	24°37	25° 5	5°56	5°40	18°15	1°51	M26
T 27	14 47 10	13°12'01	26° 8	18°42	22°40	2°27	11°59	19°43	11°38	24°37	25° 6	5°56	5°37	18°22	1°51	T 27
W28	14 51 6	14° 9'45	7♐58	20° 5	22°23	3°11	11°51	19°50	11°41	24°37	25° 7	5°55	5°34	18°29	1°51	W28
T 29	14 55 3	15° 7'27	19°51	21°30	22° 9	3°54	11°44	19°58	11°44	24°36	25° 9	5°54	5°30	18°35	1°51	T 29
F 30	14 59 0	16♉ 5'09	1♑51	22♈57	21♈57	4♉38	11♏36	20♉ 6	11♈47	24♑36	25♊10	5♏52	5♏27	18♏42	1°R51	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 6	19s11	3n 3	0n21	0s11	20n 5	6n48	4n40	0s36	15s12	1n17	14n59	1s56	3n29	0s38	20s59	0n19	19n24	4s 2	13s34	13s54	15s49	13s45	6n21
F 2	7 28	19 30	3 52	0 2	0 27	19 54	6 45	4 58	0 36	15 10	1 17	15 1	1 55	3 30	0 38	20 59	0 19	19 25	4 2	13 34	13 53	15 50	13 44	6 21
S 3	7 50	18 55	4 32	0s15	0 41	19 43	6 42	5 16	0 35	15 9	1 17	15 3	1 55	3 31	0 38	20 59	0 19	19 25	4 2	13 34	13 52	15 51	13 43	6 22
S 4	8 12	17 26	5 1	0 29	0 56	19 29	6 37	5 34	0 34	15 7	1 17	15 5	1 55	3 33	0 38	20 59	0 19	19 25	4 2	13 35	13 51	15 53	13 42	6 22
M 5	8 34	15 6	5 15	0 40	1 9	19 14	6 33	5 52	0 34	15 5	1 17	15 8	1 55	3 34	0 38	20 59	0 19	19 25	4 1	13 35	13 50	15 54	13 42	6 23
T 6	8 56	11 57	5 15	0 49	1 22	18 58	6 27	6 10	0 33	15 3	1 17	15 10	1 55	3 35	0 38	20 59	0 19	19 25	4 1	13 34	13 49	15 55	13 41	6 23
W 7	9 18	8 5	4 57	0 55	1 34	18 41	6 21	6 27	0 33	15 1	1 17	15 12	1 55	3 37	0 38	20 59	0 19	19 25	4 1	13 34	13 48	15 56	13 40	6 23
T 8	9 39	3 40	4 22	0 58	1 46	18 22	6 14	6 45	0 32	14 59	1 17	15 14	1 55	3 38	0 38	20 59	0 19	19 26	4 1	13 33	13 47	15 57	13 39	6 24
F 9	10 1	1n 6	3 29	0 59	1 56	18 3	6 6	7 3	0 32	14 57	1 17	15 16	1 54	3 39	0 38	20 59	0 19	19 26	4 1	13 33	13 46	15 58	13 38	6 24
S 10	10 22	5 56	2 22	0 58	2 6	17 42	5 57	7 20	0 31	14 55	1 17	15 19	1 54	3 41	0 38	20 59	0 19	19 26	4 1	13 33	13 45	15 59	13 38	6 25
S 11	10 43	10 29	1 3	0 54	2 15	17 20	5 48	7 38	0 30	14 53	1 17	15 21	1 54	3 42	0 38	20 59	0 19	19 26	4 1	13 33	13 44	16 0	13 37	6 25
M12	11 4	14 25	0s20	0 48	2 23	16 57	5 38	7 55	0 30	14 50	1 17	15 23	1 54	3 43	0 38	20 59	0 19	19 26	4 0	13 33	13 43	16 1	13 36	6 26
T 13	11 25	17 21	1 42	0 39	2 31	16 34	5 27	8 12	0 29	14 48	1 17	15 25	1 54	3 45	0 38	20 59	0 19	19 26	4 0	13 33	13 42	16 2	13 36	6 26
W14	11 45	19 4	2 57	0 29	2 37	16 10	5 16	8 29	0 29	14 46	1 17	15 27	1 54	3 46	0 38	20 59	0 19	19 27	4 0	13 33	13 41	16 3	13 35	6 27
T 15	12 5	19 27	3 58	0 16	2 43	15 45	5 4	8 47	0 28	14 44	1 17	15 30	1 54	3 47	0 38	20 59	0 19	19 27	4 0	13 33	13 40	16 4	13 34	6 27
F 16	12 25	18 34	4 43	0 1	2 48	15 20	4 52	9 4	0 27	14 42	1 17	15 32	1 54	3 48	0 38	20 58	0 19	19 27	4 0	13 33	13 39	16 5	13 33	6 28
S 17	12 45	16 35	5 9	0n16	2 53	14 55	4 39	9 20	0 27	14 40	1 17	15 34	1 54	3 50	0 38	20 58	0 19	19 27	4 0	13 33	13 38	16 6	13 33	6 28
S 18	13 5	13 44	5 18	0 34	2 56	14 30	4 26	9 37	0 26	14 37	1 17	15 36	1 53	3 51	0 38	20 58	0 19	19 27	4 0	13 33	13 37	16 7	13 32	6 29
M19	13 25	10 16	5 10	0 55	2 59	14 4	4 12	9 54	0 26	14 35	1 17	15 38	1 53	3 52	0 38	20 58	0 19	19 27	4 0	13 33	13 35	16 8	13 32	6 29
T 20	13 44	6 25	4 46	1 17	3 2	13 39	3 59	10 10	0 25	14 33	1 17	15 41	1 53	3 53	0 38	20 58	0 19	19 28	3 59	13 33	13 34	16 9	13 31	6 30
W21	14 3	2 21	4 9	1 41	3 3	13 15	3 45	10 27	0 24	14 31	1 17	15 43	1 53	3 55	0 38	20 58	0 19	19 28	3 59	13 33	13 33	16 11	13 30	6 30
T 22	14 22	1s44	3 22	2 6	3 4	12 51	3 31	10 43	0 24	14 29	1 17	15 45	1 53	3 56	0 38	20 58	0 19	19 28	3 59	13 33	13 32	16 12	13 30	6 30
F 23	14 40	5 42	2 26	2 34	3 4	12 27	3 16	10 59	0 23	14 26	1 17	15 47	1 53	3 57	0 38	20 58	0 19	19 28	3 59	13 33	13 31	16 13	13 29	6 31
S 24	14 59	9 24	1 24	3 2	3 4	12 4	3 2	11 15	0 23	14 24	1 17	15 49	1 53	3 58	0 38	20 59	0 19	19 28	3 59	13 33	13 30	16 14	13 29	6 31
S 25	15 17	12 42	0 19	3 32	3 3	11 42	2 48	11 31	0 22	14 22	1 16	15 52	1 53	4 0	0 38	20 59	0 19	19 28	3 59	13 33	13 29	16 15	13 28	6 32
M26	15 35	15 28	0n47	4 4	3 1	11 21	2 33	11 47	0 21	14 20	1 16	15 54	1 53	4 1	0 38	20 59	0 19	19 29	3 59	13 33	13 28	16 16	13 27	6 32
T 27	15 52	17 35	1 50	4 36	2 59	11 0	2 19	12 3	0 21	14 17	1 16	15 56	1 53	4 2	0 38	20 59	0 19	19 29	3 59	13 33	13 27	16 17	13 27	6 33
W28	16 10	18 57	2 49	5 10	2 56	10 41	2 5	12 19	0 20	14 15	1 16	15 58	1 53	4 3	0 38	20 59	0 19	19 29	3 58	13 33	13 26	16 18	13 26	6 33
T 29	16 27	19 29	3 40	5 46	2 52	10 23	1 51	12 34	0 20	14 13	1 16	16 0	1 53	4 4	0 38	20 59	0 19	19 29	3 58	13 33	13 25	16 19	13 26	6 34
F 30	16n43	19s 9	4n23	6n22	2s48	10n 6	1n38	12n50	0s19	14s11	1n16	16n 2	1s52	4n 5	0s38	20s59	0n19	19n29	3s58	13s32	13s24	16s20	13s26	6n34

Julian Day Number = 2150682.5, Delta T = 14m14s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'17, Lahiri = 12°22'17 Julian Calendar 1 Apr. 1176 == Greg. Calendar 8 Apr. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

MAY 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 56	17♉ 2'49	14♑ 0	24♈27	21°R47	5♉22	11°R29	20♉14	11♈50	24°R36	25♊11	5°R51	5♏24	18♏49	1°R51	S 1
S 2	15 6 53	18° 0'27	26°22	25°59	21♈40	6° 5	11♏21	20°22	11°53	24♑35	25°12	5♏50	5°21	18°55	1♒51	S 2
M 3	15 10 49	18°58'05	9♒ 0	27°34	21°35	6°49	11°14	20°29	11°56	24°35	25°13	5°49	5°18	19° 2	1°51	M 3
T 4	15 14 46	19°55'42	21°58	29°10	21°D33	7°32	11° 6	20°37	11°59	24°35	25°15	5°D49	5°14	19° 9	1°51	T 4
W 5	15 18 42	20°53'18	5♓18	0♉49	21°33	8°16	10°59	20°45	12° 1	24°34	25°16	5°49	5°11	19°15	1°51	W 5
T 6	15 22 39	21°50'53	19° 3	2°31	21°36	8°59	10°51	20°53	12° 4	24°34	25°17	5°50	5° 8	19°22	1°50	T 6
F 7	15 26 35	22°48'26	3♈14	4°14	21°40	9°42	10°44	21° 1	12° 7	24°33	25°18	5°51	5° 5	19°29	1°50	F 7
S 8	15 30 32	23°45'59	17°48	6° 0	21°47	10°26	10°36	21° 9	12°10	24°32	25°20	5°52	5° 2	19°35	1°49	S 8
S 9	15 34 29	24°43'31	2♉42	7°48	21°56	11° 9	10°29	21°16	12°13	24°32	25°21	5°R53	4°59	19°42	1°49	S 9
M10	15 38 25	25°41'03	17°50	9°38	22° 7	11°52	10°22	21°24	12°15	24°31	25°22	5°52	4°55	19°49	1°48	M10
T 11	15 42 22	26°38'33	3♊ 1	11°31	22°21	12°35	10°15	21°32	12°18	24°31	25°24	5°51	4°52	19°55	1°47	T 11
W12	15 46 18	27°36'02	18° 8	13°25	22°36	13°18	10° 8	21°40	12°21	24°30	25°25	5°49	4°49	20° 2	1°47	W12
T 13	15 50 15	28°33'30	3♋ 0	15°22	22°53	14° 1	10° 1	21°48	12°23	24°29	25°26	5°46	4°46	20° 9	1°46	T 13
F 14	15 54 11	29°30'57	17°31	17°21	23°12	14°44	9°54	21°55	12°26	24°29	25°28	5°43	4°43	20°15	1°45	F 14
S 15	15 58 8	0♊28'22	1♌36	19°22	23°33	15°27	9°47	22° 3	12°28	24°28	25°29	5°40	4°40	20°22	1°44	S 15
S 16	16 2 5	1°25'46	15°13	21°25	23°56	16°10	9°41	22°11	12°31	24°27	25°30	5°38	4°36	20°28	1°43	S 16
M17	16 6 1	2°23'09	28°23	23°30	24°20	16°53	9°34	22°19	12°34	24°26	25°32	5°D37	4°33	20°35	1°42	M17
T 18	16 9 58	3°20'31	11♍ 9	25°36	24°46	17°35	9°28	22°26	12°36	24°25	25°33	5°38	4°30	20°42	1°41	T 18
W19	16 13 54	4°17'52	23°34	27°44	25°13	18°18	9°21	22°34	12°38	24°24	25°34	5°39	4°27	20°48	1°39	W19
T 20	16 17 51	5°15'11	5♎44	29°53	25°42	19° 1	9°15	22°42	12°41	24°24	25°36	5°40	4°24	20°55	1°38	T 20
F 21	16 21 47	6°12'30	17°42	2♊ 3	26°12	19°43	9° 9	22°50	12°43	24°23	25°37	5°42	4°20	21° 2	1°37	F 21
S 22	16 25 44	7° 9'47	29°34	4°14	26°44	20°26	9° 3	22°57	12°45	24°22	25°39	5°43	4°17	21° 8	1°35	S 22
S 23	16 29 40	8° 7'04	11♏21	6°26	27°17	21° 8	8°57	23° 5	12°48	24°21	25°40	5°R43	4°14	21°15	1°34	S 23
M24	16 33 37	9° 4'20	23° 9	8°38	27°52	21°51	8°51	23°13	12°50	24°20	25°42	5°42	4°11	21°22	1°32	M24
T 25	16 37 33	10° 1'35	4♐59	10°49	28°28	22°33	8°45	23°20	12°52	24°19	25°43	5°39	4° 8	21°28	1°31	T 25
W26	16 41 30	10°58'50	16°54	13° 1	29° 4	23°15	8°40	23°28	12°54	24°18	25°44	5°34	4° 5	21°35	1°29	W26
T 27	16 45 27	11°56'04	28°55	15°12	29°43	23°57	8°34	23°35	12°57	24°17	25°46	5°28	4° 1	21°42	1°27	T 27
F 28	16 49 23	12°53'18	11♑ 4	17°23	0♉22	24°40	8°29	23°43	12°59	24°15	25°47	5°22	3°58	21°48	1°25	F 28
S 29	16 53 20	13°50'31	23°23	19°32	1° 2	25°22	8°24	23°50	13° 1	24°14	25°49	5°15	3°55	21°55	1°24	S 29
S 30	16 57 16	14°47'44	5♒54	21°40	1°43	26° 4	8°19	23°58	13° 3	24°13	25°50	5° 9	3°52	22° 2	1°22	S 30
M31	17 1 13	15♊44'56	18♒38	23♊47	2♉26	26♉46	8♏14	24♉ 5	13♈ 5	24♑12	25♊52	5♏ 5	3♏49	22♏ 8	1♒20	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 0	17s55	4n54	6n59	2s43	9n50	1n24	13n 5	0s18	14s 8	1n16	16n 4	1s52	4n 7	0s38	20s59	0n19	19n29	3s58	13s32	13s23	16s21	13s25	6n35
S 2	17 16	15 51	5 13	7 38	2 38	9 35	1 11	13 20	0 18	14 6	1 16	16 7	1 52	4 8	0 38	20 59	0 19	19 30	3 58	13 31	13 22	16 22	13 25	6 35
M 3	17 32	13 0	5 16	8 17	2 32	9 21	0 58	13 35	0 17	14 4	1 16	16 9	1 52	4 9	0 38	20 59	0 19	19 30	3 58	13 31	13 21	16 23	13 24	6 36
T 4	17 48	9 27	5 5	8 57	2 26	9 9	0 46	13 50	0 16	14 2	1 16	16 11	1 52	4 10	0 38	20 59	0 19	19 30	3 58	13 31	13 20	16 24	13 24	6 36
W 5	18 3	5 20	4 36	9 38	2 19	8 57	0 34	14 4	0 16	13 59	1 15	16 13	1 52	4 11	0 38	20 59	0 19	19 30	3 58	13 31	13 18	16 25	13 23	6 36
T 6	18 18	0 48	3 51	10 20	2 12	8 47	0 22	14 19	0 15	13 57	1 15	16 15	1 52	4 12	0 38	20 59	0 19	19 30	3 58	13 31	13 17	16 26	13 23	6 37
F 7	18 33	3n54	2 51	11 3	2 4	8 38	0 10	14 33	0 15	13 55	1 15	16 17	1 52	4 13	0 38	20 59	0 19	19 30	3 57	13 32	13 16	16 27	13 23	6 37
S 8	18 48	8 32	1 38	11 46	1 56	8 31	0s 1	14 48	0 14	13 53	1 15	16 19	1 52	4 14	0 38	20 59	0 19	19 30	3 57	13 32	13 15	16 28	13 22	6 38
S 9	19 2	12 44	0 18	12 29	1 47	8 24	0 12	15 2	0 13	13 51	1 15	16 21	1 52	4 15	0 38	21 0	0 19	19 31	3 57	13 32	13 14	16 28	13 22	6 38
M10	19 16	16 10	1s 6	13 13	1 38	8 18	0 22	15 16	0 13	13 49	1 15	16 23	1 52	4 16	0 38	21 0	0 19	19 31	3 57	13 32	13 13	16 29	13 22	6 39
T 11	19 29	18 30	2 24	13 57	1 28	8 14	0 33	15 30	0 12	13 47	1 15	16 25	1 52	4 17	0 38	21 0	0 19	19 31	3 57	13 32	13 12	16 30	13 21	6 39
W12	19 43	19 29	3 33	14 41	1 19	8 11	0 42	15 43	0 11	13 45	1 14	16 27	1 52	4 19	0 39	21 0	0 19	19 31	3 57	13 31	13 11	16 31	13 21	6 40
T 13	19 56	19 5	4 25	15 25	1 9	8 8	0 52	15 57	0 11	13 43	1 14	16 30	1 52	4 20	0 39	21 0	0 19	19 31	3 57	13 30	13 10	16 32	13 21	6 40
F 14	20 8	17 27	4 59	16 9	0 58	8 7	1 1	16 10	0 10	13 41	1 14	16 32	1 52	4 21	0 39	21 0	0 19	19 31	3 57	13 29	13 9	16 33	13 21	6 41
S 15	20 20	14 47	5 14	16 53	0 48	8 6	1 10	16 23	0 9	13 39	1 14	16 34	1 52	4 22	0 39	21 0	0 19	19 31	3 57	13 28	13 8	16 34	13 20	6 41
S 16	20 32	11 24	5 11	17 36	0 37	8 7	1 18	16 36	0 9	13 37	1 14	16 36	1 52	4 22	0 39	21 0	0 19	19 32	3 57	13 28	13 7	16 35	13 20	6 41
M17	20 44	7 33	4 51	18 18	0 26	8 8	1 26	16 49	0 8	13 35	1 13	16 38	1 52	4 23	0 39	21 1	0 19	19 32	3 57	13 27	13 6	16 36	13 20	6 42
T 18	20 55	3 28	4 17	19 0	0 15	8 11	1 34	17 2	0 8	13 33	1 13	16 40	1 52	4 24	0 39	21 1	0 19	19 32	3 56	13 27	13 5	16 37	13 20	6 42
W19	21 6	0s40	3 31	19 40	0 5	8 14	1 41	17 15	0 7	13 31	1 13	16 42	1 52	4 25	0 39	21 1	0 19	19 32	3 56	13 28	13 4	16 38	13 20	6 43
T 20	21 16	4 42	2 37	20 19	0n 6	8 18	1 48	17 27	0 6	13 29	1 13	16 44	1 52	4 26	0 39	21 1	0 19	19 32	3 56	13 28	13 2	16 39	13 20	6 43
F 21	21 26	8 29	1 37	20 56	0 17	8 23	1 55	17 39	0 6	13 27	1 13	16 45	1 52	4 27	0 39	21 1	0 19	19 32	3 56	13 29	13 1	16 40	13 20	6 43
S 22	21 36	11 53	0 34	21 32	0 27	8 28	2 1	17 51	0 5	13 26	1 13	16 47	1 52	4 28	0 39	21 1	0 19	19 32	3 56	13 29	13 0	16 41	13 19	6 44
S 23	21 45	14 49	0n31	22 5	0 37	8 35	2 7	18 3	0 4	13 24	1 12	16 49	1 52	4 29	0 39	21 2	0 19	19 32	3 56	13 29	12 59	16 42	13 19	6 44
M24	21 54	17 7	1 34	22 36	0 47	8 41	2 13	18 15	0 4	13 22	1 12	16 51	1 52	4 30	0 39	21 2	0 19	19 33	3 56	13 29	12 58	16 43	13 19	6 45
T 25	22 3	18 43	2 33	23 5	0 56	8 49	2 18	18 26	0 3	13 21	1 12	16 53	1 52	4 31	0 39	21 2	0 19	19 33	3 56	13 28	12 57	16 44	13 19	6 45
W26	22 11	19 29	3 26	23 32	1 5	8 57	2 24	18 38	0 2	13 19	1 12	16 55	1 52	4 31	0 39	21 2	0 19	19 33	3 56	13 26	12 56	16 44	13 19	6 45
T 27	22 19	19 22	4 10	23 56	1 13	9 6	2 29	18 49	0 2	13 18	1 11	16 57	1 52	4 32	0 39	21 2	0 19	19 33	3 56	13 24	12 55	16 45	13 19	6 46
F 28	22 27	18 23	4 43	24 17	1 20	9 15	2 33	19 0	0 1	13 16	1 11	16 59	1 52	4 33	0 39	21 2	0 19	19 33	3 56	13 22	12 54	16 46	13 19	6 46
S 29	22 34	16 31	5 4	24 35	1 27	9 25	2 38	19 11	0 0	13 15	1 11	17 1	1 52	4 34	0 39	21 3	0 19	19 33	3 56	13 20	12 53	16 47	13 19	6 47
S 30	22 40	13 52	5 10	24 50	1 34	9 36	2 42	19 22	0n 0	13 13	1 11	17 2	1 52	4 35	0 39	21 3	0 19	19 33	3 55	13 18	12 52	16 48	13 19	6 47
M31	22n47	10s31	5n 2	25n 3	1n39	9n46	2s46	19n32	0n 1	13s12	1n11	17n 4	1s52	4n35	0s39	21s 3	0n19	19n33	3s55	13s16	12s51	16s49	13s19	6n47

Julian Day Number = 2150712.5, Delta T = 14m14s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'21, Lahiri = 12°22'22 Julian Calendar 1 May 1176 == Greg. Calendar 8 May 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

JUNE 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 9	16♊42'08	1♓38	25♊52	3♉ 9	27♉28	8°R10	24♉13	13♈ 7	24°R11	25♊53	5°R 2	3♏45	22♏15	1°R18	T 1
W 2	17 9 6	17°39'21	14°56	27°55	3°53	28°10	8♏ 5	24°20	13° 9	24♉10	25°55	5°D 1	3°42	22°22	1♒16	W 2
T 3	17 13 3	18°36'33	28°33	29°57	4°38	28°52	8° 1	24°28	13°10	24° 8	25°56	5♏ 1	3°39	22°28	1°14	T 3
F 4	17 16 59	19°33'44	12♈32	1♋57	5°24	29°33	7°57	24°35	13°12	24° 7	25°58	5° 2	3°36	22°35	1°11	F 4
S 5	17 20 56	20°30'56	26°52	3°55	6°11	0♊15	7°53	24°42	13°14	24° 6	25°59	5° 3	3°33	22°42	1° 9	S 5
S 6	17 24 52	21°28'08	11♉31	5°51	6°58	0°57	7°49	24°50	13°16	24° 5	26° 1	5°R 3	3°30	22°48	1° 7	S 6
M 7	17 28 49	22°25'20	26°25	7°44	7°47	1°38	7°45	24°57	13°18	24° 3	26° 2	5° 2	3°26	22°55	1° 4	M 7
T 8	17 32 45	23°22'32	11♊27	9°36	8°36	2°20	7°41	25° 4	13°19	24° 2	26° 4	4°58	3°23	23° 1	1° 2	T 8
W 9	17 36 42	24°19'44	26°29	11°25	9°25	3° 2	7°38	25°11	13°21	24° 1	26° 5	4°52	3°20	23° 8	1° 0	W 9
T 10	17 40 38	25°16'56	11♋21	13°13	10°16	3°43	7°35	25°19	13°22	23°59	26° 7	4°45	3°17	23°15	0°57	T 10
F 11	17 44 35	26°14'07	25°55	14°58	11° 7	4°24	7°32	25°26	13°24	23°58	26° 8	4°37	3°14	23°21	0°55	F 11
S 12	17 48 32	27°11'19	10♌ 5	16°41	11°58	5° 6	7°29	25°33	13°25	23°56	26°10	4°30	3°11	23°28	0°52	S 12
S 13	17 52 28	28° 8'30	23°47	18°22	12°51	5°47	7°26	25°40	13°27	23°55	26°11	4°23	3° 7	23°35	0°49	S 13
M14	17 56 25	29° 5'40	7♍ 2	20° 1	13°43	6°28	7°24	25°47	13°28	23°54	26°12	4°19	3° 4	23°41	0°47	M14
T 15	18 0 21	0♋ 2'50	19°50	21°37	14°37	7°10	7°21	25°54	13°30	23°52	26°14	4°17	3° 1	23°48	0°44	T 15
W16	18 4 18	1° 0'00	2♎16	23°12	15°31	7°51	7°19	26° 1	13°31	23°51	26°15	4°D16	2°58	23°55	0°41	W16
T 17	18 8 14	1°57'10	14°25	24°44	16°25	8°32	7°17	26° 8	13°32	23°49	26°17	4°17	2°55	24° 1	0°39	T 17
F 18	18 12 11	2°54'20	26°21	26°14	17°20	9°13	7°16	26°14	13°33	23°48	26°18	4°18	2°51	24° 8	0°36	F 18
S 19	18 16 7	3°51'30	8♏11	27°42	18°16	9°54	7°14	26°21	13°34	23°46	26°20	4°R18	2°48	24°15	0°33	S 19
S 20	18 20 4	4°48'39	19°58	29° 7	19°11	10°35	7°12	26°28	13°36	23°45	26°21	4°17	2°45	24°21	0°30	S 20
M21	18 24 1	5°45'49	1♐47	0♌31	20° 8	11°16	7°11	26°35	13°37	23°43	26°23	4°13	2°42	24°28	0°27	M21
T 22	18 27 57	6°42'59	13°42	1°52	21° 5	11°57	7°10	26°41	13°38	23°42	26°24	4° 7	2°39	24°35	0°24	T 22
W23	18 31 54	7°40'09	25°44	3°10	22° 2	12°37	7° 9	26°48	13°39	23°40	26°26	3°59	2°36	24°41	0°21	W23
T 24	18 35 50	8°37'19	7♑57	4°27	22°59	13°18	7° 9	26°54	13°40	23°39	26°27	3°48	2°32	24°48	0°18	T 24
F 25	18 39 47	9°34'30	20°20	5°40	23°58	13°59	7° 8	27° 1	13°40	23°37	26°29	3°37	2°29	24°55	0°15	F 25
S 26	18 43 43	10°31'41	2♒55	6°52	24°56	14°39	7° 8	27° 7	13°41	23°36	26°30	3°26	2°26	25° 1	0°12	S 26
S 27	18 47 40	11°28'52	15°41	8° 0	25°55	15°20	7°D 8	27°14	13°42	23°34	26°32	3°15	2°23	25° 8	0° 9	S 27
M28	18 51 36	12°26'04	28°39	9° 6	26°54	16° 0	7° 8	27°20	13°43	23°32	26°33	3° 7	2°20	25°15	0° 6	M28
T 29	18 55 33	13°23'17	11♓50	10°10	27°54	16°41	7° 8	27°26	13°43	23°31	26°34	3° 0	2°17	25°21	0° 3	T 29
W30	18 59 30	14♋20'30	25♓13	11♌10	28♉54	17♊21	7♏ 8	27♉32	13♈44	23♑29	26♊36	2♏57	2♏13	25♏28	29♑59	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	6s37	4n38	25n13	1n44	9n58	2s49	19n42	0n 2	13s11	1n10	17n 6	1s52	4n36	0s39	21s 3	0n19	19n34	3s55	13s15	12s49	16s50	13s19	6n48
W 2	22 58	2 18	3 58	25 20	1 48	10 9	2 53	19 52	0 2	13 10	1 10	17 8	1 52	4 37	0 39	21 4	0 19	19 34	3 55	13 15	12 48	16 51	13 20	6 48
T 3	23 3	2n15	3 5	25 24	1 52	10 22	2 56	20 2	0 3	13 8	1 10	17 10	1 52	4 38	0 39	21 4	0 19	19 34	3 55	13 15	12 47	16 52	13 20	6 48
F 4	23 8	6 48	1 59	25 26	1 54	10 34	2 59	20 12	0 4	13 7	1 10	17 11	1 52	4 38	0 39	21 4	0 19	19 34	3 55	13 15	12 46	16 52	13 20	6 49
S 5	23 12	11 5	0 44	25 25	1 56	10 47	3 2	20 22	0 4	13 6	1 9	17 13	1 52	4 39	0 39	21 4	0 19	19 34	3 55	13 16	12 45	16 53	13 20	6 49
S 6	23 16	14 48	0s35	25 22	1 57	11 0	3 4	20 31	0 5	13 5	1 9	17 15	1 52	4 40	0 39	21 4	0 19	19 34	3 55	13 16	12 44	16 54	13 20	6 49
M 7	23 20	17 36	1 53	25 17	1 58	11 13	3 6	20 40	0 6	13 4	1 9	17 17	1 52	4 40	0 39	21 5	0 19	19 34	3 55	13 15	12 43	16 55	13 20	6 50
T 8	23 23	19 13	3 4	25 9	1 58	11 27	3 9	20 49	0 6	13 3	1 9	17 18	1 52	4 41	0 39	21 5	0 19	19 34	3 55	13 14	12 42	16 56	13 20	6 50
W 9	23 25	19 28	4 1	24 59	1 57	11 41	3 10	20 58	0 7	13 2	1 8	17 20	1 52	4 41	0 39	21 5	0 19	19 34	3 55	13 12	12 41	16 57	13 21	6 50
T 10	23 28	18 22	4 42	24 48	1 55	11 55	3 12	21 7	0 7	13 2	1 8	17 22	1 52	4 42	0 39	21 5	0 19	19 34	3 55	13 10	12 40	16 58	13 21	6 51
F 11	23 29	16 5	5 4	24 34	1 53	12 10	3 14	21 15	0 8	13 1	1 8	17 23	1 52	4 43	0 39	21 6	0 19	19 35	3 55	13 7	12 39	16 59	13 21	6 51
S 12	23 31	12 53	5 6	24 19	1 50	12 24	3 15	21 23	0 9	13 0	1 8	17 25	1 52	4 43	0 39	21 6	0 19	19 35	3 55	13 4	12 38	16 59	13 21	6 51
S 13	23 32	9 5	4 50	24 2	1 47	12 39	3 16	21 31	0 9	13 0	1 7	17 27	1 52	4 44	0 39	21 6	0 19	19 35	3 55	13 2	12 36	17 0	13 22	6 52
M14	23 32	4 58	4 19	23 44	1 43	12 54	3 17	21 39	0 10	12 59	1 7	17 28	1 52	4 44	0 39	21 6	0 19	19 35	3 55	13 1	12 35	17 1	13 22	6 52
T 15	23 33	0 44	3 36	23 25	1 38	13 9	3 18	21 47	0 11	12 59	1 7	17 30	1 52	4 45	0 39	21 7	0 19	19 35	3 55	13 0	12 34	17 2	13 22	6 52
W16	23 32	3s24	2 43	23 4	1 33	13 24	3 18	21 54	0 11	12 58	1 7	17 31	1 52	4 45	0 39	21 7	0 19	19 35	3 54	13 0	12 33	17 3	13 23	6 52
T 17	23 32	7 19	1 45	22 42	1 27	13 39	3 19	22 1	0 12	12 58	1 6	17 33	1 52	4 46	0 39	21 7	0 19	19 35	3 54	13 0	12 32	17 4	13 23	6 53
F 18	23 31	10 52	0 43	22 19	1 21	13 54	3 19	22 8	0 13	12 57	1 6	17 34	1 52	4 46	0 39	21 7	0 19	19 35	3 54	13 0	12 31	17 4	13 23	6 53
S 19	23 29	13 58	0n21	21 55	1 14	14 9	3 19	22 15	0 13	12 57	1 6	17 36	1 52	4 46	0 39	21 8	0 19	19 35	3 54	13 0	12 30	17 5	13 24	6 53
S 20	23 27	16 29	1 23	21 30	1 7	14 24	3 19	22 22	0 14	12 57	1 5	17 37	1 53	4 47	0 39	21 8	0 19	19 35	3 54	13 0	12 29	17 6	13 24	6 53
M21	23 25	18 18	2 22	21 5	0 59	14 39	3 19	22 28	0 15	12 57	1 5	17 39	1 53	4 47	0 39	21 8	0 19	19 35	3 54	12 59	12 28	17 7	13 24	6 54
T 22	23 22	19 20	3 14	20 39	0 50	14 55	3 19	22 34	0 15	12 57	1 5	17 40	1 53	4 48	0 39	21 8	0 19	19 36	3 54	12 57	12 27	17 8	13 25	6 54
W23	23 19	19 30	3 59	20 13	0 42	15 10	3 18	22 40	0 16	12 57	1 5	17 42	1 53	4 48	0 40	21 9	0 19	19 36	3 54	12 54	12 26	17 9	13 25	6 54
T 24	23 16	18 46	4 33	19 46	0 33	15 25	3 18	22 46	0 17	12 57	1 4	17 43	1 53	4 48	0 40	21 9	0 19	19 36	3 54	12 50	12 24	17 9	13 26	6 54
F 25	23 12	17 8	4 55	19 18	0 23	15 40	3 17	22 52	0 17	12 57	1 4	17 45	1 53	4 49	0 40	21 9	0 19	19 36	3 54	12 47	12 23	17 10	13 26	6 54
S 26	23 7	14 41	5 3	18 51	0 13	15 55	3 16	22 57	0 18	12 57	1 4	17 46	1 53	4 49	0 40	21 10	0 19	19 36	3 54	12 43	12 22	17 11	13 27	6 54
S 27	23 3	11 30	4 56	18 23	0 3	16 10	3 15	23 3	0 19	12 57	1 4	17 48	1 53	4 49	0 40	21 10	0 19	19 36	3 54	12 39	12 21	17 12	13 27	6 55
M28	22 58	7 43	4 34	17 56	0s 8	16 24	3 14	23 8	0 19	12 57	1 3	17 49	1 53	4 50	0 40	21 10	0 19	19 36	3 54	12 36	12 20	17 13	13 27	6 55
T 29	22 52	3 31	3 57	17 28	0 19	16 39	3 12	23 12	0 20	12 58	1 3	17 50	1 53	4 50	0 40	21 10	0 19	19 36	3 54	12 34	12 19	17 13	13 28	6 55
W30	22n46	0n56	3n 6	17n 1	0s30	16n53	3s11	23n17	0n21	12s58	1n 3	17n52	1s53	4n50	0s40	21s11	0n19	19n36	3s54	12s33	12s18	17s14	13s28	6n55

Julian Day Number = 2150743.5, Delta T = 14m14s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'25, Lahiri = 12°22'26 Julian Calendar 1 June 1176 == Greg. Calendar 8 June 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

JULY 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 26	15♋17'44	8♈51	12♌ 8	29♉54	18♊ 2	7♏ 9	27♉39	13♈45	23°R28	26♊37	2°R56	2♏10	25♏35	29°R56	T 1
F 2	19 7 23	16°14'59	22°43	13° 2	0♊54	18°42	7° 9	27°45	13°45	23♑26	26°39	2°D56	2° 7	25°41	29♑53	F 2
S 3	19 11 19	17°12'15	6♉50	13°53	1°55	19°22	7°10	27°51	13°46	23°24	26°40	2°R56	2° 4	25°48	29°50	S 3
S 4	19 15 16	18° 9'32	21°12	14°41	2°57	20° 3	7°11	27°57	13°46	23°23	26°42	2♏55	2° 1	25°55	29°46	S 4
M 5	19 19 12	19° 6'50	5♊47	15°26	3°58	20°43	7°13	28° 3	13°47	23°21	26°43	2°52	1°57	26° 1	29°43	M 5
T 6	19 23 9	20° 4'09	20°29	16° 7	5° 0	21°23	7°14	28° 8	13°47	23°20	26°44	2°46	1°54	26° 8	29°40	T 6
W 7	19 27 5	21° 1'29	5♋12	16°44	6° 2	22° 3	7°16	28°14	13°47	23°18	26°46	2°37	1°51	26°15	29°37	W 7
T 8	19 31 2	21°58'50	19°50	17°17	7° 5	22°43	7°18	28°20	13°48	23°16	26°47	2°27	1°48	26°21	29°33	T 8
F 9	19 34 59	22°56'11	4♌14	17°46	8° 7	23°23	7°20	28°26	13°48	23°15	26°48	2°16	1°45	26°28	29°30	F 9
S 10	19 38 55	23°53'33	18°17	18°11	9°10	24° 3	7°22	28°31	13°48	23°13	26°50	2° 5	1°42	26°34	29°27	S 10
S 11	19 42 52	24°50'56	1♍57	18°31	10°13	24°43	7°24	28°37	13°48	23°11	26°51	1°55	1°38	26°41	29°23	S 11
M12	19 46 48	25°48'20	15°11	18°47	11°17	25°22	7°27	28°42	13°48	23°10	26°53	1°48	1°35	26°48	29°20	M12
T 13	19 50 45	26°45'44	28° 0	18°58	12°20	26° 2	7°29	28°48	13°R48	23° 8	26°54	1°43	1°32	26°54	29°17	T 13
W14	19 54 41	27°43'09	10♎27	19° 3	13°24	26°42	7°32	28°53	13°48	23° 6	26°55	1°41	1°29	27° 1	29°13	W14
T 15	19 58 38	28°40'34	22°37	19°R 4	14°28	27°21	7°35	28°58	13°48	23° 5	26°56	1°40	1°26	27° 8	29°10	T 15
F 16	20 2 34	29°38'00	4♏34	19° 0	15°33	28° 1	7°39	29° 3	13°48	23° 3	26°58	1°40	1°23	27°14	29° 7	F 16
S 17	20 6 31	0♌35'27	16°24	18°50	16°37	28°41	7°42	29° 8	13°48	23° 2	26°59	1°39	1°19	27°21	29° 3	S 17
S 18	20 10 28	1°32'55	28°13	18°35	17°42	29°20	7°45	29°13	13°47	23° 0	27° 0	1°37	1°16	27°28	29° 0	S 18
M19	20 14 24	2°30'24	10♐ 5	18°14	18°47	29°59	7°49	29°18	13°47	22°58	27° 2	1°33	1°13	27°34	28°56	M19
T 20	20 18 21	3°27'54	22° 4	17°49	19°52	0♋39	7°53	29°23	13°47	22°57	27° 3	1°27	1°10	27°41	28°53	T 20
W21	20 22 17	4°25'24	4♑15	17°18	20°57	1°18	7°57	29°28	13°46	22°55	27° 4	1°17	1° 7	27°48	28°50	W21
T 22	20 26 14	5°22'56	16°39	16°43	22° 3	1°57	8° 1	29°32	13°46	22°54	27° 5	1° 6	1° 3	27°54	28°46	T 22
F 23	20 30 10	6°20'29	29°17	16° 4	23° 9	2°37	8° 6	29°37	13°45	22°52	27° 6	0°53	1° 0	28° 1	28°43	F 23
S 24	20 34 7	7°18'03	12♒11	15°21	24°15	3°16	8°10	29°42	13°45	22°51	27° 8	0°41	0°57	28° 8	28°40	S 24
S 25	20 38 3	8°15'38	25°18	14°34	25°21	3°55	8°15	29°46	13°44	22°49	27° 9	0°29	0°54	28°14	28°37	S 25
M26	20 42 0	9°13'14	8♓37	13°46	26°27	4°34	8°20	29°50	13°44	22°47	27°10	0°19	0°51	28°21	28°33	M26
T 27	20 45 57	10°10'52	22° 7	12°56	27°34	5°13	8°25	29°55	13°43	22°46	27°11	0°12	0°48	28°28	28°30	T 27
W28	20 49 53	11° 8'32	5♈46	12° 5	28°40	5°52	8°30	29°59	13°42	22°44	27°12	0° 8	0°44	28°34	28°27	W28
T 29	20 53 50	12° 6'13	19°34	11°14	29°47	6°31	8°35	0♊ 3	13°42	22°43	27°13	0° 6	0°41	28°41	28°24	T 29
F 30	20 57 46	13° 3'55	3♉30	10°25	0♋54	7°10	8°41	0° 7	13°41	22°41	27°14	0°D 6	0°38	28°48	28°20	F 30
S 31	21 1 43	14♌ 1'40	17♉34	9♌38	2♋ 1	7♋48	8♏46	0♊11	13♈40	22♑40	27♊16	0°R 6	0♏35	28♏54	28♑17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n40	5n25	2n 4	16n34	0s42	17n 8	3s10	23n21	0n21	12s58	1n 2	17n53	1s53	4n50	0s40	21s11	0n19	19n36	3s54	12s32	12s17	17s15	13s29	6n55
F 2	22 33	9 43	0 54	16 7	0 54	17 22	3 8	23 26	0 22	12 59	1 2	17 54	1 53	4 50	0 40	21 11	0 19	19 36	3 54	12 32	12 16	17 16	13 30	6 55
S 3	22 26	13 32	0s21	15 40	1 6	17 36	3 6	23 30	0 23	12 59	1 2	17 55	1 54	4 51	0 40	21 12	0 19	19 36	3 54	12 32	12 15	17 16	13 30	6 55
S 4	22 18	16 36	1 35	15 15	1 19	17 49	3 4	23 33	0 23	13 0	1 2	17 57	1 54	4 51	0 40	21 12	0 19	19 36	3 54	12 32	12 13	17 17	13 31	6 56
M 5	22 10	18 40	2 45	14 49	1 31	18 3	3 3	23 37	0 24	13 1	1 1	17 58	1 54	4 51	0 40	21 12	0 19	19 36	3 54	12 31	12 12	17 18	13 31	6 56
T 6	22 2	19 29	3 44	14 25	1 44	18 16	3 1	23 40	0 25	13 1	1 1	17 59	1 54	4 51	0 40	21 12	0 19	19 36	3 54	12 29	12 11	17 19	13 32	6 56
W 7	21 53	18 59	4 28	14 2	1 57	18 29	2 58	23 43	0 25	13 2	1 1	18 0	1 54	4 51	0 40	21 13	0 19	19 36	3 54	12 26	12 10	17 20	13 32	6 56
T 8	21 44	17 13	4 54	13 39	2 10	18 41	2 56	23 46	0 26	13 3	1 1	18 1	1 54	4 51	0 40	21 13	0 19	19 37	3 54	12 23	12 9	17 20	13 33	6 56
F 9	21 35	14 25	5 1	13 18	2 23	18 54	2 54	23 49	0 27	13 4	1 0	18 3	1 54	4 51	0 40	21 13	0 19	19 37	3 54	12 19	12 8	17 21	13 34	6 56
S 10	21 25	10 49	4 49	12 58	2 36	19 6	2 52	23 52	0 27	13 5	1 0	18 4	1 54	4 51	0 40	21 14	0 19	19 37	3 54	12 15	12 7	17 22	13 34	6 56
S 11	21 15	6 45	4 21	12 40	2 49	19 17	2 49	23 54	0 28	13 6	1 0	18 5	1 54	4 51	0 40	21 14	0 19	19 37	3 54	12 12	12 6	17 23	13 35	6 56
M12	21 5	2 29	3 40	12 23	3 2	19 29	2 47	23 56	0 29	13 7	1 0	18 6	1 54	4 51	0 40	21 14	0 19	19 37	3 54	12 9	12 5	17 23	13 35	6 56
T 13	20 54	1s46	2 48	12 7	3 15	19 40	2 44	23 58	0 29	13 8	0 59	18 7	1 55	4 51	0 40	21 14	0 19	19 37	3 54	12 7	12 4	17 24	13 36	6 56
W14	20 42	5 50	1 50	11 54	3 27	19 50	2 41	24 0	0 30	13 9	0 59	18 8	1 55	4 51	0 40	21 15	0 19	19 37	3 54	12 6	12 2	17 25	13 37	6 56
T 15	20 31	9 35	0 48	11 42	3 39	20 1	2 38	24 2	0 31	13 11	0 59	18 9	1 55	4 51	0 40	21 15	0 19	19 37	3 54	12 6	12 1	17 26	13 37	6 56
F 16	20 19	12 51	0n15	11 33	3 50	20 11	2 36	24 3	0 31	13 12	0 58	18 10	1 55	4 51	0 40	21 15	0 19	19 37	3 54	12 6	12 0	17 26	13 38	6 56
S 17	20 7	15 35	1 17	11 26	4 1	20 20	2 33	24 4	0 32	13 13	0 58	18 11	1 55	4 51	0 40	21 16	0 19	19 37	3 54	12 6	11 59	17 27	13 39	6 56
S 18	19 54	17 39	2 16	11 21	4 11	20 29	2 30	24 5	0 33	13 15	0 58	18 12	1 55	4 51	0 40	21 16	0 19	19 37	3 54	12 5	11 58	17 28	13 40	6 56
M19	19 41	18 57	3 8	11 19	4 20	20 38	2 27	24 6	0 33	13 16	0 58	18 13	1 55	4 51	0 40	21 16	0 19	19 37	3 54	12 4	11 57	17 28	13 40	6 56
T 20	19 28	19 25	3 53	11 19	4 28	20 46	2 24	24 6	0 34	13 18	0 57	18 14	1 55	4 50	0 40	21 16	0 19	19 37	3 54	12 2	11 56	17 29	13 41	6 56
W21	19 14	19 0	4 28	11 21	4 34	20 54	2 20	24 7	0 35	13 19	0 57	18 15	1 55	4 50	0 40	21 17	0 19	19 37	3 54	11 58	11 55	17 30	13 42	6 56
T 22	19 0	17 41	4 51	11 27	4 40	21 1	2 17	24 7	0 35	13 21	0 57	18 16	1 56	4 50	0 40	21 17	0 19	19 37	3 54	11 54	11 54	17 31	13 42	6 56
F 23	18 46	15 29	5 0	11 34	4 44	21 8	2 14	24 7	0 36	13 22	0 57	18 16	1 56	4 50	0 40	21 17	0 19	19 37	3 54	11 50	11 52	17 31	13 43	6 56
S 24	18 32	12 30	4 55	11 45	4 46	21 15	2 11	24 7	0 36	13 24	0 56	18 17	1 56	4 50	0 40	21 18	0 19	19 37	3 54	11 46	11 51	17 32	13 44	6 56
S 25	18 17	8 51	4 33	11 57	4 47	21 20	2 7	24 6	0 37	13 26	0 56	18 18	1 56	4 49	0 40	21 18	0 19	19 37	3 54	11 41	11 50	17 33	13 45	6 56
M26	18 2	4 43	3 57	12 12	4 46	21 26	2 4	24 6	0 38	13 28	0 56	18 19	1 56	4 49	0 40	21 18	0 19	19 37	3 54	11 38	11 49	17 33	13 45	6 56
T 27	17 46	0 17	3 7	12 29	4 43	21 31	2 0	24 5	0 38	13 30	0 56	18 20	1 56	4 49	0 40	21 18	0 19	19 37	3 54	11 36	11 48	17 34	13 46	6 55
W28	17 30	4n13	2 5	12 48	4 38	21 35	1 57	24 4	0 39	13 31	0 55	18 20	1 56	4 49	0 41	21 19	0 19	19 37	3 54	11 34	11 47	17 35	13 47	6 55
T 29	17 14	8 33	0 56	13 8	4 31	21 39	1 53	24 3	0 40	13 33	0 55	18 21	1 57	4 48	0 41	21 19	0 19	19 37	3 54	11 33	11 46	17 36	13 47	6 55
F 30	16 58	12 27	0s18	13 30	4 22	21 43	1 50	24 1	0 40	13 35	0 55	18 22	1 57	4 48	0 41	21 19	0 19	19 37	3 54	11 33	11 45	17 36	13 48	6 55
S 31	16n41	15n41	1s31	13n52	4s12	21n45	1s46	24n 0	0n41	13s37	0n55	18n22	1s57	4n48	0s41	21s19	0n19	19n37	3s54	11s33	11s44	17s37	13s49	6n55

Julian Day Number = 2150773.5, Delta T = 14m13s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'29, Lahiri = 12°22'30 Julian Calendar 1 July 1176 == Greg. Calendar 8 July 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

AUGUST 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 39	14♌59'26	1♊44	8°R55	3♋ 9	8♋27	8♏52	0♊15	13°R39	22°R38	27♊17	0°R 5	0♏32	29♏ 1	28°R14	S 1
M 2	21 9 36	15°57'14	16° 0	8♌16	4°16	9° 6	8°58	0°18	13♈38	22♑37	27°18	0♏ 2	0°29	29° 8	28♑11	M 2
T 3	21 13 32	16°55'04	0♋20	7°42	5°24	9°44	9° 4	0°22	13°37	22°35	27°19	29♎57	0°25	29°14	28° 8	T 3
W 4	21 17 29	17°52'55	14°38	7°14	6°32	10°23	9°11	0°26	13°36	22°34	27°20	29°49	0°22	29°21	28° 5	W 4
T 5	21 21 26	18°50'49	28°51	6°52	7°40	11° 2	9°17	0°29	13°35	22°33	27°21	29°39	0°19	29°28	28° 2	T 5
F 6	21 25 22	19°48'43	12♌54	6°38	8°48	11°40	9°23	0°32	13°34	22°31	27°22	29°28	0°16	29°34	27°59	F 6
S 7	21 29 19	20°46'40	26°40	6°D31	9°56	12°19	9°30	0°36	13°33	22°30	27°23	29°17	0°13	29°41	27°56	S 7
S 8	21 33 15	21°44'38	10♍ 7	6°32	11° 5	12°57	9°37	0°39	13°31	22°28	27°24	29° 8	0° 9	29°48	27°53	S 8
M 9	21 37 12	22°42'37	23°13	6°41	12°13	13°35	9°44	0°42	13°30	22°27	27°25	29° 0	0° 6	29°54	27°50	M 9
T 10	21 41 8	23°40'38	5♎58	6°58	13°22	14°14	9°51	0°45	13°29	22°26	27°26	28°56	0° 3	0♐ 1	27°47	T 10
W11	21 45 5	24°38'40	18°23	7°24	14°31	14°52	9°58	0°48	13°27	22°24	27°26	28°53	29♎59	0° 8	27°44	W11
T 12	21 49 1	25°36'44	0♏32	7°58	15°40	15°30	10° 6	0°50	13°26	22°23	27°27	28°D53	29°57	0°14	27°41	T 12
F 13	21 52 58	26°34'49	12°29	8°39	16°49	16° 8	10°13	0°53	13°25	22°22	27°28	28°53	29°54	0°21	27°38	F 13
S 14	21 56 55	27°32'56	24°20	9°29	17°58	16°46	10°21	0°56	13°23	22°21	27°29	28°R54	29°50	0°28	27°36	S 14
S 15	22 0 51	28°31'04	6♐10	10°25	19° 8	17°24	10°28	0°58	13°22	22°19	27°30	28°53	29°47	0°34	27°33	S 15
M16	22 4 48	29°29'14	18° 3	11°29	20°17	18° 2	10°36	1° 1	13°20	22°18	27°31	28°51	29°44	0°41	27°30	M16
T 17	22 8 44	0♍27'26	0♑ 6	12°40	21°27	18°40	10°44	1° 3	13°19	22°17	27°32	28°47	29°41	0°48	27°28	T 17
W18	22 12 41	1°25'38	12°21	13°57	22°36	19°18	10°52	1° 5	13°17	22°16	27°32	28°41	29°38	0°54	27°25	W18
T 19	22 16 37	2°23'53	24°53	15°19	23°46	19°55	11° 1	1° 7	13°15	22°15	27°33	28°33	29°34	1° 1	27°23	T 19
F 20	22 20 34	3°22'09	7♒44	16°47	24°56	20°33	11° 9	1° 9	13°14	22°13	27°34	28°24	29°31	1° 8	27°20	F 20
S 21	22 24 30	4°20'27	20°53	18°19	26° 6	21°11	11°18	1°11	13°12	22°12	27°34	28°14	29°28	1°14	27°18	S 21
S 22	22 28 27	5°18'46	4♓20	19°56	27°17	21°48	11°26	1°13	13°10	22°11	27°35	28° 5	29°25	1°21	27°15	S 22
M23	22 32 24	6°17'08	18° 3	21°35	28°27	22°26	11°35	1°14	13° 8	22°10	27°36	27°58	29°22	1°28	27°13	M23
T 24	22 36 20	7°15'31	1♈58	23°18	29°37	23° 3	11°44	1°16	13° 7	22° 9	27°36	27°53	29°19	1°34	27°11	T 24
W25	22 40 17	8°13'56	16° 2	25° 4	0♌48	23°41	11°53	1°17	13° 5	22° 8	27°37	27°51	29°15	1°41	27° 9	W25
T 26	22 44 13	9°12'24	0♉11	26°51	1°59	24°18	12° 2	1°19	13° 3	22° 7	27°38	27°D50	29°12	1°48	27° 7	T 26
F 27	22 48 10	10°10'54	14°22	28°40	3° 9	24°55	12°11	1°20	13° 1	22° 6	27°38	27°51	29° 9	1°54	27° 4	F 27
S 28	22 52 6	11° 9'26	28°34	0♍31	4°20	25°33	12°20	1°21	12°59	22° 5	27°39	27°52	29° 6	2° 1	27° 2	S 28
S 29	22 56 3	12° 8'00	12♊44	2°22	5°31	26°10	12°30	1°22	12°57	22° 4	27°39	27°R53	29° 3	2° 8	27° 0	S 29
M30	22 59 59	13° 6'36	26°50	4°14	6°42	26°47	12°39	1°23	12°55	22° 3	27°40	27°52	29° 0	2°14	26°58	M30
T 31	23 3 56	14♍ 5'15	10♋52	6♍ 6	7♌54	27♋24	12♏49	1♊24	12♈53	22♑ 3	27♊40	27♎49	28♎56	2♐21	26♑57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n25	18n 0	2s39	14n15	4s 0	21n48	1s43	23n58	0n42	13s39	0n54	18n23	1s57	4n47	0s41	21s20	0n19	19n37	3s54	11s33	11s42	17s38	13s50	6n55
M 2	16 7	19 11	3 38	14 38	3 47	21 49	1 39	23 56	0 42	13 42	0 54	18 24	1 57	4 47	0 41	21 20	0 19	19 37	3 54	11 32	11 41	17 38	13 51	6 55
T 3	15 50	19 9	4 23	15 1	3 32	21 51	1 35	23 54	0 43	13 44	0 54	18 24	1 57	4 46	0 41	21 20	0 19	19 37	3 54	11 30	11 40	17 39	13 51	6 54
W 4	15 32	17 54	4 52	15 23	3 16	21 51	1 32	23 52	0 44	13 46	0 54	18 25	1 57	4 46	0 41	21 20	0 19	19 37	3 54	11 27	11 39	17 40	13 52	6 54
T 5	15 14	15 33	5 2	15 45	2 59	21 51	1 28	23 49	0 44	13 48	0 54	18 26	1 58	4 45	0 41	21 21	0 19	19 37	3 54	11 24	11 38	17 40	13 53	6 54
F 6	14 56	12 19	4 54	16 5	2 42	21 51	1 24	23 47	0 45	13 51	0 53	18 26	1 58	4 45	0 41	21 21	0 19	19 37	3 54	11 20	11 37	17 41	13 54	6 54
S 7	14 38	8 28	4 29	16 24	2 24	21 50	1 21	23 44	0 46	13 53	0 53	18 27	1 58	4 45	0 41	21 21	0 19	19 37	3 54	11 16	11 36	17 42	13 54	6 54
S 8	14 19	4 16	3 49	16 41	2 6	21 48	1 17	23 41	0 46	13 55	0 53	18 27	1 58	4 44	0 41	21 21	0 18	19 37	3 54	11 13	11 35	17 42	13 55	6 53
M 9	14 0	0s 1	2 58	16 57	1 48	21 46	1 13	23 38	0 47	13 58	0 53	18 28	1 58	4 44	0 41	21 22	0 18	19 37	3 54	11 10	11 33	17 43	13 56	6 53
T 10	13 41	4 12	1 59	17 10	1 30	21 43	1 9	23 34	0 48	14 0	0 52	18 28	1 58	4 43	0 41	21 22	0 18	19 37	3 54	11 8	11 32	17 44	13 57	6 53
W11	13 22	8 6	0 56	17 21	1 12	21 40	1 6	23 31	0 48	14 3	0 52	18 29	1 58	4 42	0 41	21 22	0 18	19 37	3 54	11 8	11 31	17 44	13 57	6 53
T 12	13 2	11 34	0n 9	17 29	0 54	21 36	1 2	23 27	0 49	14 5	0 52	18 29	1 59	4 42	0 41	21 22	0 18	19 37	3 54	11 7	11 30	17 45	13 58	6 52
F 13	12 43	14 30	1 12	17 34	0 38	21 31	0 58	23 23	0 50	14 8	0 52	18 29	1 59	4 41	0 41	21 23	0 18	19 37	3 54	11 8	11 29	17 45	13 59	6 52
S 14	12 23	16 48	2 12	17 37	0 21	21 26	0 54	23 19	0 50	14 10	0 52	18 30	1 59	4 41	0 41	21 23	0 18	19 37	3 54	11 8	11 28	17 46	14 0	6 52
S 15	12 2	18 23	3 6	17 37	0 6	21 20	0 51	23 15	0 51	14 13	0 51	18 30	1 59	4 40	0 41	21 23	0 18	19 37	3 54	11 8	11 27	17 47	14 1	6 52
M16	11 42	19 9	3 52	17 33	0n 9	21 14	0 47	23 11	0 52	14 16	0 51	18 30	1 59	4 40	0 41	21 23	0 18	19 37	3 54	11 7	11 26	17 47	14 1	6 51
T 17	11 22	19 4	4 29	17 27	0 23	21 7	0 43	23 6	0 52	14 18	0 51	18 31	1 59	4 39	0 41	21 23	0 18	19 37	3 54	11 5	11 24	17 48	14 2	6 51
W18	11 1	18 6	4 54	17 17	0 36	20 59	0 40	23 1	0 53	14 21	0 51	18 31	2 0	4 38	0 41	21 24	0 18	19 37	3 54	11 3	11 23	17 49	14 3	6 51
T 19	10 40	16 14	5 5	17 4	0 47	20 51	0 36	22 57	0 54	14 24	0 50	18 31	2 0	4 38	0 41	21 24	0 18	19 37	3 54	11 0	11 22	17 49	14 4	6 51
F 20	10 19	13 33	5 2	16 48	0 58	20 42	0 32	22 52	0 54	14 27	0 50	18 31	2 0	4 37	0 41	21 24	0 18	19 37	3 54	10 57	11 21	17 50	14 4	6 50
S 21	9 58	10 8	4 42	16 29	1 8	20 33	0 29	22 47	0 55	14 29	0 50	18 32	2 0	4 36	0 41	21 24	0 18	19 37	3 54	10 54	11 20	17 50	14 5	6 50
S 22	9 36	6 7	4 7	16 7	1 16	20 23	0 25	22 41	0 56	14 32	0 50	18 32	2 0	4 36	0 41	21 24	0 18	19 37	3 54	10 50	11 19	17 51	14 6	6 50
M23	9 15	1 43	3 17	15 42	1 24	20 13	0 21	22 36	0 56	14 35	0 50	18 32	2 0	4 35	0 41	21 25	0 18	19 37	3 54	10 48	11 18	17 52	14 7	6 49
T 24	8 53	2n51	2 15	15 14	1 30	20 2	0 18	22 30	0 57	14 38	0 49	18 32	2 0	4 34	0 41	21 25	0 18	19 37	3 54	10 46	11 17	17 52	14 7	6 49
W25	8 31	7 18	1 3	14 44	1 36	19 50	0 14	22 24	0 58	14 41	0 49	18 32	2 1	4 33	0 41	21 25	0 18	19 37	3 54	10 45	11 15	17 53	14 8	6 49
T 26	8 9	11 23	0s13	14 11	1 40	19 38	0 11	22 18	0 58	14 44	0 49	18 32	2 1	4 33	0 41	21 25	0 18	19 37	3 54	10 45	11 14	17 53	14 9	6 48
F 27	7 47	14 49	1 28	13 37	1 44	19 25	0 7	22 12	0 59	14 47	0 49	18 33	2 1	4 32	0 41	21 25	0 18	19 37	3 54	10 45	11 13	17 54	14 10	6 48
S 28	7 25	17 21	2 38	13 0	1 47	19 12	0 4	22 6	1 0	14 50	0 49	18 33	2 1	4 31	0 41	21 26	0 18	19 37	3 54	10 46	11 12	17 55	14 10	6 48
S 29	7 2	18 48	3 39	12 22	1 49	18 58	0 0	22 0	1 0	14 53	0 48	18 33	2 1	4 30	0 41	21 26	0 18	19 37	3 54	10 46	11 11	17 55	14 11	6 47
M30	6 40	19 5	4 25	11 42	1 50	18 44	0n 3	21 53	1 1	14 56	0 48	18 33	2 1	4 29	0 41	21 26	0 18	19 37	3 55	10 46	11 10	17 56	14 12	6 47
T 31	6n17	18n11	4s56	11n 1	1n50	18n29	0n 7	21n47	1n 2	14s59	0n48	18n33	2s 2	4n29	0s41	21s26	0n18	19n37	3s55	10s45	11s 9	17s56	14s13	6n46

Julian Day Number = 2150804.5, Delta T = 14m13s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'34, Lahiri = 12°22'34 Julian Calendar 1 Aug. 1176 == Greg. Calendar 8 Aug. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

SEPTEMBER 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 7 52	15♍ 3'56	24♋48	7♍58	9♌ 5	28♋ 1	12♏59	1♊24	12°R51	22°R 2	27♊41	27°R45	28♎53	2♐28	26°R55	W 1
T 2	23 11 49	16° 2'40	8♌34	9°50	10°16	28°38	13° 8	1°25	12♈49	22♉ 1	27°41	27♎39	28°50	2°34	26♉53	T 2
F 3	23 15 46	17° 1'25	22°10	11°41	11°28	29°15	13°18	1°25	12°47	22° 0	27°42	27°32	28°47	2°41	26°51	F 3
S 4	23 19 42	18° 0'13	5♍32	13°33	12°39	29°52	13°28	1°26	12°45	21°59	27°42	27°25	28°44	2°48	26°50	S 4
S 5	23 23 39	18°59'02	18°39	15°23	13°51	0♌29	13°38	1°26	12°42	21°59	27°43	27°19	28°40	2°54	26°48	S 5
M 6	23 27 35	19°57'54	1♎29	17°13	15° 3	1° 5	13°49	1°R26	12°40	21°58	27°43	27°15	28°37	3° 1	26°47	M 6
T 7	23 31 32	20°56'48	14° 3	19° 3	16°15	1°42	13°59	1°26	12°38	21°57	27°43	27°12	28°34	3° 8	26°45	T 7
W 8	23 35 28	21°55'43	26°21	20°51	17°27	2°19	14° 9	1°26	12°36	21°57	27°44	27°D11	28°31	3°14	26°44	W 8
T 9	23 39 25	22°54'41	8♏27	22°39	18°39	2°55	14°20	1°26	12°34	21°56	27°44	27°12	28°28	3°21	26°42	T 9
F 10	23 43 21	23°53'40	20°23	24°26	19°51	3°32	14°31	1°25	12°31	21°56	27°44	27°13	28°25	3°28	26°41	F 10
S 11	23 47 18	24°52'42	2♐13	26°12	21° 3	4° 8	14°41	1°25	12°29	21°55	27°44	27°15	28°21	3°34	26°40	S 11
S 12	23 51 15	25°51'45	14° 3	27°57	22°16	4°44	14°52	1°24	12°27	21°55	27°45	27°17	28°18	3°41	26°39	S 12
M13	23 55 11	26°50'50	25°56	29°42	23°28	5°21	15° 3	1°24	12°24	21°54	27°45	27°R17	28°15	3°48	26°38	M13
T 14	23 59 8	27°49'57	7♑58	1♎25	24°40	5°57	15°14	1°23	12°22	21°54	27°45	27°17	28°12	3°54	26°37	T 14
W15	0 3 4	28°49'05	20°13	3° 8	25°53	6°33	15°25	1°22	12°20	21°53	27°45	27°15	28° 9	4° 1	26°36	W15
T 16	0 7 1	29°48'16	2♒47	4°50	27° 6	7° 9	15°36	1°21	12°17	21°53	27°45	27°12	28° 6	4° 8	26°35	T 16
F 17	0 10 57	0♎47'28	15°42	6°31	28°18	7°45	15°47	1°20	12°15	21°53	27°45	27° 8	28° 2	4°14	26°34	F 17
S 18	0 14 54	1°46'42	28°59	8°11	29°31	8°21	15°58	1°19	12°12	21°52	27°45	27° 4	27°59	4°21	26°33	S 18
S 19	0 18 50	2°45'58	12♓39	9°51	0♍44	8°57	16°10	1°17	12°10	21°52	27°45	27° 0	27°56	4°28	26°33	S 19
M20	0 22 47	3°45'16	26°41	11°29	1°57	9°33	16°21	1°16	12° 8	21°52	27°46	26°57	27°53	4°34	26°32	M20
T 21	0 26 43	4°44'36	10♈59	13° 7	3°10	10° 8	16°33	1°14	12° 5	21°52	27°R46	26°56	27°50	4°41	26°32	T 21
W22	0 30 40	5°43'58	25°29	14°45	4°23	10°44	16°44	1°13	12° 3	21°51	27°46	26°D55	27°46	4°48	26°31	W22
T 23	0 34 37	6°43'23	10♉ 6	16°21	5°36	11°20	16°56	1°11	12° 0	21°51	27°45	26°55	27°43	4°54	26°31	T 23
F 24	0 38 33	7°42'49	24°42	17°57	6°49	11°55	17° 8	1° 9	11°58	21°51	27°45	26°56	27°40	5° 1	26°31	F 24
S 25	0 42 30	8°42'18	9♊13	19°32	8° 3	12°31	17°19	1° 7	11°56	21°51	27°45	26°58	27°37	5° 8	26°30	S 25
S 26	0 46 26	9°41'50	23°35	21° 6	9°16	13° 6	17°31	1° 5	11°53	21°51	27°45	26°59	27°34	5°14	26°30	S 26
M27	0 50 23	10°41'24	7♋44	22°40	10°30	13°41	17°43	1° 3	11°51	21°D51	27°45	26°R59	27°31	5°21	26°30	M27
T 28	0 54 19	11°41'00	21°40	24°13	11°43	14°16	17°55	1° 1	11°48	21°51	27°45	26°59	27°27	5°28	26°D30	T 28
W29	0 58 16	12°40'38	5♌20	25°46	12°57	14°52	18° 7	0°58	11°46	21°51	27°45	26°58	27°24	5°34	26°30	W29
T 30	1 2 12	13♎40'19	18♌47	27♎18	14♍10	15♌27	18♏19	0♊56	11♈43	21♉51	27♊45	26♎57	27♎21	5♐41	26♉30	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n55	16n12	5s 9	10n19	1n49	18n13	0n10	21n40	1n 3	15s 2	0n48	18n33	2s 2	4n28	0s41	21s26	0n18	19n37	3s55	10s43	11s 8	17s57	14s13	6n46
T 2	5 32	13 18	5 4	9 35	1 48	17 57	0 13	21 33	1 3	15 6	0 48	18 33	2 2	4 27	0 41	21 26	0 18	19 37	3 55	10 41	11 6	17 57	14 14	6 46
F 3	5 9	9 44	4 42	8 51	1 47	17 41	0 16	21 26	1 4	15 9	0 47	18 33	2 2	4 26	0 41	21 26	0 18	19 37	3 55	10 38	11 5	17 58	14 15	6 45
S 4	4 46	5 44	4 4	8 6	1 44	17 24	0 20	21 19	1 5	15 12	0 47	18 32	2 2	4 25	0 41	21 27	0 18	19 37	3 55	10 36	11 4	17 59	14 15	6 45
S 5	4 23	1 32	3 14	7 21	1 42	17 6	0 23	21 12	1 5	15 15	0 47	18 32	2 2	4 24	0 41	21 27	0 18	19 37	3 55	10 34	11 3	17 59	14 16	6 45
M 6	3 59	2s40	2 16	6 35	1 38	16 48	0 26	21 4	1 6	15 18	0 47	18 32	2 3	4 24	0 41	21 27	0 18	19 37	3 55	10 32	11 2	18 0	14 17	6 44
T 7	3 36	6 39	1 11	5 48	1 35	16 30	0 29	20 57	1 7	15 22	0 47	18 32	2 3	4 23	0 41	21 27	0 18	19 37	3 55	10 31	11 1	18 0	14 17	6 44
W 8	3 13	10 17	0 5	5 2	1 31	16 11	0 32	20 49	1 7	15 25	0 47	18 32	2 3	4 22	0 41	21 27	0 18	19 37	3 55	10 31	11 0	18 1	14 18	6 43
T 9	2 50	13 25	1n 1	4 15	1 26	15 51	0 35	20 42	1 8	15 28	0 46	18 32	2 3	4 21	0 41	21 27	0 18	19 37	3 55	10 31	10 58	18 1	14 19	6 43
F 10	2 26	15 56	2 4	3 28	1 22	15 31	0 38	20 34	1 9	15 32	0 46	18 32	2 3	4 20	0 41	21 27	0 18	19 37	3 55	10 32	10 57	18 2	14 19	6 42
S 11	2 3	17 45	3 0	2 41	1 17	15 11	0 41	20 26	1 9	15 35	0 46	18 31	2 3	4 19	0 41	21 27	0 18	19 37	3 55	10 32	10 56	18 2	14 20	6 42
S 12	1 39	18 48	3 49	1 54	1 11	14 50	0 43	20 18	1 10	15 38	0 46	18 31	2 3	4 18	0 41	21 28	0 18	19 37	3 55	10 33	10 55	18 3	14 21	6 42
M13	1 16	19 1	4 28	1 7	1 6	14 29	0 46	20 10	1 11	15 42	0 46	18 31	2 4	4 17	0 41	21 28	0 18	19 36	3 55	10 33	10 54	18 3	14 21	6 41
T 14	0 52	18 22	4 56	0 21	1 0	14 7	0 49	20 1	1 11	15 45	0 46	18 30	2 4	4 16	0 41	21 28	0 18	19 36	3 55	10 33	10 53	18 4	14 22	6 41
W15	0 28	16 53	5 12	0s26	0 54	13 45	0 51	19 53	1 12	15 48	0 45	18 30	2 4	4 16	0 41	21 28	0 18	19 36	3 55	10 32	10 52	18 5	14 22	6 40
T 16	0 5	14 33	5 12	1 12	0 48	13 23	0 54	19 44	1 13	15 52	0 45	18 30	2 4	4 15	0 41	21 28	0 18	19 36	3 55	10 31	10 51	18 5	14 23	6 40
F 17	0s19	11 28	4 58	1 58	0 42	13 0	0 56	19 36	1 14	15 55	0 45	18 29	2 4	4 14	0 41	21 28	0 18	19 36	3 55	10 30	10 49	18 6	14 24	6 39
S 18	0 43	7 42	4 27	2 43	0 35	12 37	0 59	19 27	1 14	15 58	0 45	18 29	2 4	4 13	0 41	21 28	0 18	19 36	3 55	10 28	10 48	18 6	14 24	6 39
S 19	1 6	3 27	3 40	3 29	0 29	12 13	1 1	19 18	1 15	16 2	0 45	18 29	2 4	4 12	0 41	21 28	0 18	19 36	3 55	10 27	10 47	18 7	14 25	6 39
M20	1 30	1n 6	2 39	4 14	0 22	11 49	1 3	19 9	1 16	16 5	0 45	18 28	2 5	4 11	0 41	21 28	0 18	19 36	3 55	10 26	10 46	18 7	14 25	6 38
T 21	1 54	5 42	1 27	4 58	0 15	11 25	1 6	19 0	1 16	16 9	0 44	18 28	2 5	4 10	0 41	21 28	0 18	19 36	3 55	10 25	10 45	18 8	14 26	6 38
W22	2 17	10 1	0 8	5 42	0 8	11 0	1 8	18 51	1 17	16 12	0 44	18 27	2 5	4 9	0 41	21 28	0 18	19 36	3 55	10 25	10 44	18 8	14 26	6 37
T 23	2 41	13 46	1s12	6 26	0 2	10 35	1 10	18 42	1 18	16 16	0 44	18 27	2 5	4 8	0 41	21 28	0 18	19 36	3 55	10 25	10 43	18 9	14 27	6 37
F 24	3 4	16 38	2 28	7 9	0s 5	10 9	1 12	18 33	1 18	16 19	0 44	18 26	2 5	4 7	0 41	21 28	0 18	19 36	3 55	10 26	10 41	18 9	14 27	6 36
S 25	3 28	18 25	3 33	7 52	0 12	9 44	1 14	18 23	1 19	16 23	0 44	18 26	2 5	4 6	0 41	21 28	0 18	19 36	3 55	10 26	10 40	18 10	14 28	6 36
S 26	3 51	18 59	4 24	8 34	0 19	9 18	1 16	18 14	1 20	16 26	0 44	18 25	2 5	4 5	0 41	21 28	0 18	19 36	3 56	10 26	10 39	18 10	14 28	6 35
M27	4 15	18 21	4 59	9 15	0 26	8 52	1 18	18 5	1 21	16 30	0 44	18 25	2 6	4 4	0 41	21 28	0 18	19 36	3 56	10 27	10 38	18 11	14 29	6 35
T 28	4 38	16 36	5 15	9 56	0 33	8 25	1 19	17 55	1 21	16 33	0 43	18 24	2 6	4 3	0 41	21 28	0 17	19 36	3 56	10 27	10 37	18 11	14 29	6 34
W29	5 2	13 57	5 13	10 37	0 40	7 58	1 21	17 45	1 22	16 37	0 43	18 24	2 6	4 2	0 41	21 28	0 17	19 36	3 56	10 26	10 36	18 12	14 30	6 34
T 30	5s25	10n36	4s54	11s17	0s47	7n31	1n22	17n36	1n23	16s40	0n43	18n23	2s 6	4n 1	0s41	21s29	0n17	19n36	3s56	10s26	10s34	18s12	14s30	6n34

Julian Day Number = 2150835.5, Delta T = 14m13s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'38, Lahiri = 12°22'38 Julian Calendar 1 Sept. 1176 == Greg. Calendar 8 Sept. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

OCTOBER 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 6 9	14♎40'02	1♍58	28♎49	15♍24	16♌ 2	18♏32	0°R53	11°R41	21♑51	27°R44	26°R55	27♎18	5♐48	26♑30	F 1
S 2	1 10 6	15°39'47	14°56	0♏20	16°38	16°36	18°44	0♊51	11♈38	21°51	27♊44	26♎53	27°15	5°54	26°31	S 2
S 3	1 14 2	16°39'35	27°40	1°50	17°52	17°11	18°56	0°48	11°36	21°52	27°44	26°52	27°11	6° 1	26°31	S 3
M 4	1 17 59	17°39'24	10♎11	3°19	19° 6	17°46	19° 8	0°45	11°33	21°52	27°44	26°51	27° 8	6° 8	26°31	M 4
T 5	1 21 55	18°39'16	22°30	4°48	20°19	18°21	19°21	0°42	11°31	21°52	27°43	26°D51	27° 5	6°14	26°32	T 5
W 6	1 25 52	19°39'09	4♏39	6°16	21°33	18°55	19°33	0°39	11°29	21°52	27°43	26°51	27° 2	6°21	26°32	W 6
T 7	1 29 48	20°39'05	16°39	7°43	22°48	19°30	19°46	0°36	11°26	21°53	27°43	26°51	26°59	6°28	26°33	T 7
F 8	1 33 45	21°39'02	28°32	9°10	24° 2	20° 4	19°58	0°33	11°24	21°53	27°42	26°52	26°56	6°35	26°34	F 8
S 9	1 37 41	22°39'01	10♐21	10°37	25°16	20°38	20°11	0°29	11°21	21°53	27°42	26°52	26°52	6°41	26°34	S 9
S 10	1 41 38	23°39'02	22°10	12° 2	26°30	21°13	20°24	0°26	11°19	21°54	27°41	26°53	26°49	6°48	26°35	S 10
M11	1 45 35	24°39'05	4♑ 2	13°27	27°44	21°47	20°36	0°23	11°17	21°54	27°41	26°53	26°46	6°55	26°36	M11
T 12	1 49 31	25°39'09	16° 2	14°51	28°58	22°21	20°49	0°19	11°14	21°55	27°40	26°53	26°43	7° 1	26°37	T 12
W13	1 53 28	26°39'15	28°15	16°14	0♎13	22°55	21° 2	0°15	11°12	21°55	27°40	26°53	26°40	7° 8	26°38	W13
T 14	1 57 24	27°39'23	10♒44	17°36	1°27	23°28	21°15	0°12	11°10	21°56	27°39	26°53	26°37	7°15	26°39	T 14
F 15	2 1 21	28°39'32	23°34	18°58	2°42	24° 2	21°28	0° 8	11° 7	21°56	27°39	26°53	26°33	7°21	26°40	F 15
S 16	2 5 17	29°39'42	6♓49	20°18	3°56	24°36	21°41	0° 4	11° 5	21°57	27°38	26°54	26°30	7°28	26°42	S 16
S 17	2 9 14	0♏39'55	20°30	21°37	5°11	25° 9	21°54	0° 0	11° 3	21°58	27°38	26°54	26°27	7°35	26°43	S 17
M18	2 13 10	1°40'08	4♈37	22°55	6°25	25°43	22° 7	29♉56	11° 1	21°58	27°37	26°54	26°24	7°41	26°44	M18
T 19	2 17 7	2°40'24	19° 8	24°12	7°40	26°16	22°20	29°52	10°58	21°59	27°37	26°55	26°21	7°48	26°46	T 19
W20	2 21 3	3°40'41	3♉57	25°27	8°54	26°49	22°33	29°48	10°56	22° 0	27°36	26°R55	26°17	7°55	26°47	W20
T 21	2 25 0	4°41'00	18°57	26°41	10° 9	27°22	22°46	29°44	10°54	22° 1	27°35	26°54	26°14	8° 1	26°49	T 21
F 22	2 28 57	5°41'21	4♊ 0	27°52	11°24	27°55	22°59	29°39	10°52	22° 2	27°35	26°53	26°11	8° 8	26°51	F 22
S 23	2 32 53	6°41'44	18°56	29° 2	12°38	28°28	23°12	29°35	10°50	22° 2	27°34	26°52	26° 8	8°15	26°52	S 23
S 24	2 36 50	7°42'09	3♋39	0♐ 9	13°53	29° 1	23°25	29°31	10°47	22° 3	27°33	26°51	26° 5	8°21	26°54	S 24
M25	2 40 46	8°42'35	18° 2	1°14	15° 8	29°34	23°38	29°26	10°45	22° 4	27°32	26°50	26° 2	8°28	26°56	M25
T 26	2 44 43	9°43'04	2♌ 4	2°15	16°23	0♍ 6	23°52	29°22	10°43	22° 5	27°32	26°49	25°58	8°35	26°58	T 26
W27	2 48 39	10°43'34	15°43	3°14	17°38	0°39	24° 5	29°17	10°41	22° 6	27°31	26°D49	25°55	8°41	27° 0	W27
T 28	2 52 36	11°44'07	28°59	4° 8	18°52	1°11	24°18	29°13	10°39	22° 7	27°30	26°50	25°52	8°48	27° 2	T 28
F 29	2 56 33	12°44'41	11♍56	4°58	20° 7	1°44	24°32	29° 8	10°37	22° 8	27°29	26°51	25°49	8°55	27° 4	F 29
S 30	3 0 29	13°45'17	24°36	5°44	21°22	2°16	24°45	29° 3	10°35	22° 9	27°29	26°52	25°46	9° 1	27° 6	S 30
S 31	3 4 26	14♏45'55	7♎ 2	6♐24	22♎37	2♍48	24♏58	28♉59	10♈33	22♑10	27♊28	26♎54	25♎42	9♐ 8	27♑ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s48	6n47	4s19	11s56	0s53	7n 4	1n24	17n26	1n24	16s44	0n43	18n22	2s 6	4n 0	0s41	21s29	0n17	19n36	3s56	10s25	10s33	18s12	14s31	6n33
S 2	6 11	2 42	3 32	12 34	1 0	6 37	1 25	17 16	1 24	16 47	0 43	18 22	2 6	3 59	0 41	21 29	0 17	19 36	3 56	10 25	10 32	18 13	14 31	6 33
S 3	6 35	1s26	2 35	13 12	1 7	6 9	1 27	17 6	1 25	16 51	0 43	18 21	2 6	3 58	0 41	21 28	0 17	19 36	3 56	10 24	10 31	18 13	14 31	6 32
M 4	6 58	5 27	1 31	13 49	1 13	5 41	1 28	16 56	1 26	16 54	0 43	18 20	2 6	3 57	0 41	21 28	0 17	19 36	3 56	10 24	10 30	18 14	14 32	6 32
T 5	7 20	9 10	0 24	14 26	1 20	5 13	1 29	16 46	1 26	16 58	0 42	18 20	2 6	3 57	0 41	21 28	0 17	19 36	3 56	10 24	10 29	18 14	14 32	6 31
W 6	7 43	12 27	0n43	15 1	1 26	4 45	1 30	16 36	1 27	17 1	0 42	18 19	2 6	3 56	0 41	21 28	0 17	19 36	3 56	10 24	10 28	18 15	14 33	6 31
T 7	8 6	15 10	1 48	15 36	1 32	4 16	1 31	16 26	1 28	17 5	0 42	18 18	2 7	3 55	0 41	21 28	0 17	19 36	3 56	10 24	10 26	18 15	14 33	6 30
F 8	8 28	17 12	2 47	16 10	1 38	3 48	1 32	16 15	1 29	17 8	0 42	18 17	2 7	3 54	0 41	21 28	0 17	19 36	3 56	10 24	10 25	18 16	14 33	6 30
S 9	8 51	18 29	3 39	16 43	1 44	3 19	1 33	16 5	1 29	17 12	0 42	18 17	2 7	3 53	0 41	21 28	0 17	19 36	3 56	10 24	10 24	18 16	14 34	6 29
S 10	9 13	18 58	4 22	17 15	1 50	2 50	1 34	15 55	1 30	17 15	0 42	18 16	2 7	3 52	0 41	21 28	0 17	19 35	3 56	10 24	10 23	18 17	14 34	6 29
M11	9 35	18 36	4 53	17 47	1 55	2 21	1 35	15 45	1 31	17 19	0 42	18 15	2 7	3 51	0 41	21 28	0 17	19 35	3 56	10 24	10 22	18 17	14 34	6 28
T 12	9 57	17 24	5 12	18 17	2 1	1 52	1 35	15 34	1 32	17 22	0 42	18 14	2 7	3 50	0 41	21 28	0 17	19 35	3 56	10 24	10 21	18 17	14 34	6 28
W13	10 19	15 25	5 18	18 47	2 6	1 23	1 36	15 24	1 32	17 26	0 41	18 13	2 7	3 49	0 41	21 28	0 17	19 35	3 56	10 24	10 20	18 18	14 35	6 27
T 14	10 41	12 40	5 9	19 15	2 11	0 54	1 36	15 13	1 33	17 29	0 41	18 13	2 7	3 48	0 41	21 28	0 17	19 35	3 56	10 24	10 18	18 18	14 35	6 27
F 15	11 3	9 15	4 44	19 42	2 15	0 24	1 37	15 3	1 34	17 33	0 41	18 12	2 7	3 47	0 41	21 28	0 17	19 35	3 56	10 24	10 17	18 19	14 35	6 27
S 16	11 24	5 16	4 4	20 9	2 20	0s 5	1 37	14 52	1 35	17 36	0 41	18 11	2 7	3 46	0 41	21 28	0 17	19 35	3 56	10 25	10 16	18 19	14 35	6 26
S 17	11 45	0 53	3 9	20 34	2 24	0 34	1 37	14 41	1 36	17 40	0 41	18 10	2 7	3 46	0 41	21 28	0 17	19 35	3 56	10 25	10 15	18 19	14 36	6 26
M18	12 6	3n41	2 1	20 58	2 28	1 4	1 38	14 31	1 36	17 43	0 41	18 9	2 7	3 45	0 41	21 28	0 17	19 35	3 56	10 25	10 14	18 20	14 36	6 25
T 19	12 27	8 11	0 43	21 20	2 31	1 33	1 38	14 20	1 37	17 46	0 41	18 8	2 7	3 44	0 41	21 28	0 17	19 35	3 56	10 25	10 13	18 20	14 36	6 25
W20	12 48	12 17	0s39	21 42	2 34	2 3	1 38	14 9	1 38	17 50	0 41	18 7	2 7	3 43	0 41	21 27	0 17	19 35	3 56	10 25	10 11	18 21	14 36	6 24
T 21	13 8	15 37	1 59	22 2	2 36	2 32	1 38	13 59	1 39	17 53	0 41	18 6	2 8	3 42	0 41	21 27	0 17	19 35	3 56	10 25	10 10	18 21	14 36	6 24
F 22	13 29	17 54	3 12	22 21	2 38	3 2	1 38	13 48	1 39	17 57	0 40	18 5	2 8	3 41	0 41	21 27	0 17	19 35	3 56	10 24	10 9	18 22	14 36	6 23
S 23	13 49	18 55	4 10	22 38	2 40	3 31	1 37	13 37	1 40	18 0	0 40	18 4	2 8	3 41	0 41	21 27	0 17	19 35	3 56	10 24	10 8	18 22	14 36	6 23
S 24	14 8	18 38	4 52	22 53	2 41	4 0	1 37	13 27	1 41	18 4	0 40	18 3	2 8	3 40	0 41	21 27	0 17	19 35	3 56	10 24	10 7	18 22	14 37	6 22
M25	14 28	17 9	5 13	23 8	2 41	4 30	1 37	13 16	1 42	18 7	0 40	18 2	2 8	3 39	0 41	21 27	0 17	19 35	3 56	10 23	10 6	18 23	14 37	6 22
T 26	14 47	14 39	5 16	23 20	2 41	4 59	1 37	13 5	1 43	18 10	0 40	18 1	2 8	3 38	0 41	21 27	0 17	19 35	3 56	10 23	10 5	18 23	14 37	6 22
W27	15 6	11 25	5 0	23 30	2 40	5 28	1 36	12 54	1 43	18 14	0 40	18 1	2 8	3 37	0 41	21 27	0 17	19 35	3 56	10 23	10 3	18 23	14 37	6 21
T 28	15 25	7 41	4 29	23 39	2 38	5 57	1 35	12 43	1 44	18 17	0 40	18 0	2 8	3 37	0 41	21 26	0 17	19 35	3 56	10 23	10 2	18 24	14 37	6 21
F 29	15 44	3 40	3 44	23 46	2 35	6 26	1 35	12 32	1 45	18 21	0 40	17 59	2 8	3 36	0 41	21 26	0 17	19 35	3 56	10 24	10 1	18 24	14 37	6 20
S 30	16 2	0s26	2 49	23 51	2 32	6 55	1 34	12 22	1 46	18 24	0 40	17 58	2 8	3 35	0 41	21 26	0 17	19 35	3 56	10 24	10 0	18 25	14 37	6 20
S 31	16s20	4s27	1s48	23s53	2s27	7s24	1n33	12n11	1n47	18s27	0n40	17n57	2s 8	3n34	0s41	21s26	0n17	19n35	3s56	10s25	9s59	18s25	14s37	6n19

Julian Day Number = 2150865.5, Delta T = 14m13s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'42, Lahiri = 12°22'43 Julian Calendar 1 Oct. 1176 == Greg. Calendar 8 Oct. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

NOVEMBER 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 8 22	15♏46'34	19♎16	6♐58	23♎52	3♍19	25♏12	28°R54	10°R32	22♑12	27°R27	26♎55	25♎39	9♐15	27♑11	M 1
T 2	3 12 19	16°47'15	1♏21	7°25	25° 7	3°51	25°25	28♉49	10♈30	22°13	27♊26	26°R55	25°36	9°22	27°13	T 2
W 3	3 16 15	17°47'57	13°20	7°44	26°22	4°23	25°39	28°44	10°28	22°14	27°25	26°54	25°33	9°28	27°16	W 3
T 4	3 20 12	18°48'41	25°13	7°56	27°38	4°54	25°52	28°40	10°26	22°15	27°24	26°52	25°30	9°35	27°18	T 4
F 5	3 24 8	19°49'27	7♐ 4	7°R58	28°53	5°26	26° 5	28°35	10°24	22°16	27°23	26°48	25°27	9°42	27°21	F 5
S 6	3 28 5	20°50'14	18°53	7°50	0♏ 8	5°57	26°19	28°30	10°23	22°18	27°22	26°44	25°23	9°48	27°23	S 6
S 7	3 32 1	21°51'01	0♑43	7°32	1°23	6°28	26°32	28°25	10°21	22°19	27°21	26°40	25°20	9°55	27°26	S 7
M 8	3 35 58	22°51'51	12°37	7° 3	2°38	6°59	26°46	28°20	10°19	22°20	27°20	26°35	25°17	10° 2	27°29	M 8
T 9	3 39 55	23°52'41	24°37	6°23	3°53	7°29	26°59	28°15	10°18	22°22	27°19	26°32	25°14	10° 8	27°31	T 9
W10	3 43 51	24°53'32	6♒48	5°33	5° 8	8° 0	27°13	28°10	10°16	22°23	27°18	26°29	25°11	10°15	27°34	W10
T 11	3 47 48	25°54'24	19°13	4°32	6°24	8°31	27°26	28° 5	10°15	22°25	27°17	26°27	25° 8	10°22	27°37	T 11
F 12	3 51 44	26°55'17	1♓56	3°23	7°39	9° 1	27°40	28° 0	10°13	22°26	27°16	26°D27	25° 4	10°28	27°40	F 12
S 13	3 55 41	27°56'10	15° 2	2° 7	8°54	9°31	27°53	27°55	10°12	22°28	27°15	26°28	25° 1	10°35	27°43	S 13
S 14	3 59 37	28°57'05	28°33	0°46	10° 9	10° 1	28° 7	27°50	10°10	22°29	27°14	26°30	24°58	10°42	27°46	S 14
M15	4 3 34	29°58'00	12♈31	29♏23	11°25	10°31	28°20	27°45	10° 9	22°31	27°13	26°31	24°55	10°48	27°49	M15
T 16	4 7 30	0♐58'56	26°58	28° 1	12°40	11° 0	28°34	27°40	10° 8	22°32	27°12	26°R32	24°52	10°55	27°52	T 16
W17	4 11 27	1°59'53	11♉48	26°42	13°55	11°30	28°48	27°35	10° 7	22°34	27°11	26°31	24°48	11° 2	27°56	W17
T 18	4 15 24	3° 0'51	26°57	25°30	15°10	11°59	29° 1	27°31	10° 5	22°35	27°10	26°28	24°45	11° 8	27°59	T 18
F 19	4 19 20	4° 1'50	12♊15	24°26	16°26	12°28	29°15	27°26	10° 4	22°37	27° 9	26°24	24°42	11°15	28° 2	F 19
S 20	4 23 17	5° 2'50	27°31	23°31	17°41	12°57	29°28	27°21	10° 3	22°39	27° 8	26°18	24°39	11°22	28° 6	S 20
S 21	4 27 13	6° 3'51	12♋35	22°48	18°56	13°26	29°42	27°16	10° 2	22°40	27° 7	26°12	24°36	11°29	28° 9	S 21
M22	4 31 10	7° 4'53	27°17	22°15	20°12	13°55	29°55	27°11	10° 1	22°42	27° 5	26° 6	24°33	11°35	28°13	M22
T 23	4 35 6	8° 5'56	11♌33	21°54	21°27	14°23	0♐ 8	27° 6	10° 0	22°44	27° 4	26° 2	24°29	11°42	28°16	T 23
W24	4 39 3	9° 7'00	25°20	21°D44	22°43	14°51	0°22	27° 1	9°59	22°46	27° 3	25°59	24°26	11°49	28°20	W24
T 25	4 43 0	10° 8'05	8♍39	21°44	23°58	15°19	0°35	26°57	9°58	22°47	27° 2	25°D58	24°23	11°55	28°23	T 25
F 26	4 46 56	11° 9'11	21°33	21°54	25°13	15°47	0°49	26°52	9°57	22°49	27° 1	25°58	24°20	12° 2	28°27	F 26
S 27	4 50 53	12°10'17	4♎ 6	22°13	26°29	16°15	1° 2	26°47	9°57	22°51	27° 0	26° 0	24°17	12° 9	28°31	S 27
S 28	4 54 49	13°11'25	16°22	22°40	27°44	16°42	1°16	26°43	9°56	22°53	26°58	26° 1	24°14	12°15	28°34	S 28
M29	4 58 46	14°12'34	28°26	23°14	29° 0	17° 9	1°29	26°38	9°55	22°55	26°57	26°R 1	24°10	12°22	28°38	M29
T 30	5 2 42	15♐13'43	10♏21	23♏55	0♐15	17♍36	1♐42	26♉33	9♈54	22♑57	26♊56	26♎ 0	24♎ 7	12♐29	28♑42	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s38	8s13	0s42	23s53	2s21	7s52	1n33	12n 0	1n48	18s31	0n39	17n56	2s 8	3n34	0s41	21s26	0n17	19n35	3s56	10s25	9s58	18s25	14s37	6n19
T 2	16 56	11 37	0n25	23 51	2 14	8 20	1 32	11 49	1 48	18 34	0 39	17 54	2 8	3 33	0 41	21 26	0 17	19 35	3 56	10 25	9 56	18 26	14 37	6 19
W 3	17 13	14 29	1 29	23 46	2 6	8 49	1 31	11 38	1 49	18 37	0 39	17 53	2 8	3 32	0 41	21 26	0 17	19 35	3 56	10 25	9 55	18 26	14 37	6 18
T 4	17 30	16 44	2 30	23 38	1 56	9 17	1 30	11 28	1 50	18 40	0 39	17 52	2 8	3 32	0 41	21 25	0 17	19 35	3 56	10 24	9 54	18 26	14 37	6 18
F 5	17 46	18 14	3 23	23 28	1 45	9 44	1 29	11 17	1 51	18 44	0 39	17 51	2 8	3 31	0 41	21 25	0 17	19 35	3 56	10 23	9 53	18 27	14 37	6 17
S 6	18 3	18 57	4 8	23 14	1 32	10 12	1 28	11 6	1 52	18 47	0 39	17 50	2 7	3 30	0 41	21 25	0 17	19 35	3 56	10 21	9 52	18 27	14 37	6 17
S 7	18 18	18 50	4 42	22 57	1 18	10 39	1 26	10 55	1 53	18 50	0 39	17 49	2 7	3 30	0 41	21 25	0 17	19 35	3 56	10 20	9 51	18 27	14 36	6 17
M 8	18 34	17 53	5 4	22 36	1 2	11 7	1 25	10 45	1 53	18 53	0 39	17 48	2 7	3 29	0 41	21 25	0 17	19 35	3 56	10 18	9 49	18 28	14 36	6 16
T 9	18 49	16 9	5 13	22 13	0 45	11 33	1 24	10 34	1 54	18 57	0 39	17 47	2 7	3 28	0 41	21 24	0 17	19 35	3 56	10 17	9 48	18 28	14 36	6 16
W10	19 4	13 40	5 9	21 45	0 27	12 0	1 22	10 23	1 55	19 0	0 39	17 46	2 7	3 28	0 40	21 24	0 17	19 35	3 56	10 16	9 47	18 28	14 36	6 15
T 11	19 19	10 32	4 49	21 15	0 7	12 26	1 21	10 12	1 56	19 3	0 39	17 45	2 7	3 27	0 40	21 24	0 17	19 35	3 56	10 15	9 46	18 29	14 36	6 15
F 12	19 33	6 51	4 16	20 42	0n13	12 52	1 19	10 2	1 57	19 6	0 39	17 44	2 7	3 27	0 40	21 24	0 17	19 35	3 56	10 15	9 45	18 29	14 36	6 15
S 13	19 47	2 44	3 28	20 7	0 34	13 18	1 18	9 51	1 58	19 9	0 38	17 43	2 7	3 26	0 40	21 23	0 17	19 35	3 56	10 15	9 44	18 29	14 35	6 14
S 14	20 1	1n40	2 27	19 31	0 54	13 43	1 16	9 41	1 59	19 12	0 38	17 42	2 7	3 26	0 40	21 23	0 17	19 35	3 56	10 16	9 42	18 30	14 35	6 14
M15	20 14	6 8	1 16	18 54	1 14	14 8	1 15	9 30	2 0	19 15	0 38	17 41	2 7	3 25	0 40	21 23	0 16	19 35	3 56	10 16	9 41	18 30	14 35	6 14
T 16	20 27	10 24	0s 2	18 18	1 32	14 33	1 13	9 20	2 1	19 18	0 38	17 40	2 7	3 25	0 40	21 23	0 16	19 35	3 56	10 17	9 40	18 30	14 35	6 13
W17	20 39	14 8	1 22	17 44	1 49	14 57	1 11	9 9	2 1	19 21	0 38	17 39	2 7	3 24	0 40	21 23	0 16	19 35	3 56	10 16	9 39	18 31	14 34	6 13
T 18	20 51	17 0	2 38	17 13	2 4	15 21	1 9	8 59	2 2	19 24	0 38	17 38	2 7	3 24	0 40	21 22	0 16	19 35	3 56	10 15	9 38	18 31	14 34	6 12
F 19	21 3	18 40	3 43	16 45	2 17	15 45	1 8	8 48	2 3	19 27	0 38	17 37	2 7	3 23	0 40	21 22	0 16	19 35	3 56	10 14	9 37	18 31	14 34	6 12
S 20	21 14	18 59	4 32	16 21	2 27	16 8	1 6	8 38	2 4	19 30	0 38	17 36	2 6	3 23	0 40	21 22	0 16	19 34	3 56	10 12	9 35	18 32	14 34	6 12
S 21	21 25	17 56	5 2	16 2	2 36	16 31	1 4	8 28	2 5	19 33	0 38	17 35	2 6	3 23	0 40	21 22	0 16	19 34	3 56	10 9	9 34	18 32	14 33	6 11
M22	21 35	15 43	5 10	15 48	2 42	16 53	1 2	8 18	2 6	19 36	0 38	17 34	2 6	3 22	0 40	21 21	0 16	19 34	3 56	10 7	9 33	18 32	14 33	6 11
T 23	21 45	12 36	4 59	15 39	2 46	17 15	1 0	8 7	2 7	19 39	0 38	17 33	2 6	3 22	0 40	21 21	0 16	19 34	3 56	10 6	9 32	18 32	14 32	6 11
W24	21 55	8 53	4 31	15 34	2 48	17 36	0 58	7 57	2 8	19 42	0 38	17 32	2 6	3 22	0 40	21 21	0 16	19 34	3 56	10 5	9 31	18 33	14 32	6 10
T 25	22 4	4 50	3 48	15 34	2 49	17 57	0 56	7 47	2 9	19 45	0 38	17 31	2 6	3 21	0 40	21 20	0 16	19 34	3 56	10 4	9 30	18 33	14 32	6 10
F 26	22 13	0 40	2 56	15 37	2 48	18 17	0 53	7 37	2 10	19 48	0 38	17 30	2 6	3 21	0 40	21 20	0 16	19 35	3 56	10 4	9 28	18 33	14 31	6 10
S 27	22 21	3s24	1 56	15 44	2 46	18 37	0 51	7 27	2 11	19 51	0 37	17 29	2 6	3 21	0 40	21 20	0 16	19 35	3 56	10 5	9 27	18 34	14 31	6 10
S 28	22 29	7 16	0 52	15 54	2 43	18 57	0 49	7 18	2 12	19 54	0 37	17 28	2 5	3 20	0 40	21 20	0 16	19 35	3 56	10 5	9 26	18 34	14 30	6 9
M29	22 36	10 46	0n13	16 6	2 38	19 15	0 47	7 8	2 13	19 56	0 37	17 27	2 5	3 20	0 40	21 19	0 16	19 35	3 56	10 6	9 25	18 34	14 30	6 9
T 30	22s43	13s47	1n17	16s21	2n33	19s34	0n45	6n58	2n14	19s59	0n37	17n26	2s 5	3n20	0s40	21s19	0n16	19n35	3s56	10s 5	9s24	18s34	14s30	6n 9

Julian Day Number = 2150896.5, Delta T = 14m13s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'46, Lahiri = 12°22'47 Julian Calendar 1 Nov. 1176 == Greg. Calendar 8 Nov. 1176

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ASTRODIENST EPHEMERIS for the year 1176
geocentric

DECEMBER 1176 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 6 39	16♐14'53	22♏12	24♏41	1♐30	18♍ 3	1♐56	26°R29	9°R54	22♉58	26°R55	25°R56	24♎ 4	12♐35	28♉46	W 1
T 2	5 10 35	17°16'04	4♐ 2	25°33	2°46	18°30	2° 9	26♉24	9♈53	23° 0	26♊54	25♎50	24° 1	12°42	28°50	T 2
F 3	5 14 32	18°17'15	15°51	26°29	4° 1	18°56	2°22	26°20	9°53	23° 2	26°52	25°42	23°58	12°49	28°54	F 3
S 4	5 18 29	19°18'26	27°43	27°29	5°17	19°22	2°36	26°16	9°52	23° 4	26°51	25°32	23°54	12°55	28°58	S 4
S 5	5 22 25	20°19'38	9♉38	28°33	6°32	19°48	2°49	26°11	9°52	23° 6	26°50	25°20	23°51	13° 2	29° 2	S 5
M 6	5 26 22	21°20'50	21°38	29°39	7°48	20°13	3° 2	26° 7	9°52	23° 8	26°49	25° 9	23°48	13° 9	29° 6	M 6
T 7	5 30 18	22°22'02	3♒45	0♐49	9° 3	20°39	3°15	26° 3	9°51	23°10	26°48	24°59	23°45	13°16	29°10	T 7
W 8	5 34 15	23°23'15	16° 0	2° 0	10°19	21° 4	3°28	25°59	9°51	23°12	26°46	24°50	23°42	13°22	29°14	W 8
T 9	5 38 11	24°24'27	28°26	3°14	11°34	21°29	3°42	25°55	9°51	23°14	26°45	24°44	23°39	13°29	29°18	T 9
F 10	5 42 8	25°25'39	11♓ 7	4°30	12°49	21°53	3°55	25°51	9°51	23°16	26°44	24°41	23°35	13°36	29°23	F 10
S 11	5 46 4	26°26'51	24° 6	5°47	14° 5	22°17	4° 8	25°47	9°51	23°18	26°43	24°D40	23°32	13°42	29°27	S 11
S 12	5 50 1	27°28'02	7♈26	7° 6	15°20	22°41	4°21	25°43	9°D51	23°21	26°41	24°40	23°29	13°49	29°31	S 12
M13	5 53 58	28°29'14	21°11	8°26	16°36	23° 5	4°34	25°39	9°51	23°23	26°40	24°R41	23°26	13°56	29°35	M13
T 14	5 57 54	29°30'25	5♉22	9°48	17°51	23°28	4°47	25°35	9°51	23°25	26°39	24°40	23°23	14° 2	29°40	T 14
W15	6 1 51	0♉31'36	19°58	11°10	19° 7	23°51	5° 0	25°32	9°51	23°27	26°38	24°38	23°20	14° 9	29°44	W15
T 16	6 5 47	1°32'47	4♊56	12°33	20°22	24°14	5°12	25°28	9°51	23°29	26°36	24°33	23°16	14°16	29°48	T 16
F 17	6 9 44	2°33'57	20° 9	13°58	21°37	24°36	5°25	25°25	9°51	23°31	26°35	24°25	23°13	14°22	29°53	F 17
S 18	6 13 40	3°35'07	5♋26	15°23	22°53	24°59	5°38	25°22	9°52	23°33	26°34	24°15	23°10	14°29	29°57	S 18
S 19	6 17 37	4°36'18	20°37	16°49	24° 8	25°20	5°51	25°18	9°52	23°35	26°33	24° 4	23° 7	14°36	0♒ 2	S 19
M20	6 21 33	5°37'27	5♌31	18°15	25°24	25°42	6° 3	25°15	9°52	23°38	26°32	23°54	23° 4	14°43	0° 6	M20
T 21	6 25 30	6°38'37	19°59	19°43	26°39	26° 3	6°16	25°12	9°53	23°40	26°30	23°44	23° 0	14°49	0°11	T 21
W22	6 29 27	7°39'47	3♍57	21°10	27°54	26°24	6°29	25° 9	9°53	23°42	26°29	23°38	22°57	14°56	0°15	W22
T 23	6 33 23	8°40'56	17°25	22°39	29°10	26°44	6°41	25° 6	9°54	23°44	26°28	23°34	22°54	15° 3	0°20	T 23
F 24	6 37 20	9°42'06	0♎25	24° 8	0♉25	27° 4	6°54	25° 3	9°55	23°47	26°27	23°32	22°51	15° 9	0°24	F 24
S 25	6 41 16	10°43'15	12°59	25°38	1°41	27°24	7° 6	25° 1	9°55	23°49	26°26	23°D31	22°48	15°16	0°29	S 25
S 26	6 45 13	11°44'24	25°15	27° 8	2°56	27°43	7°18	24°58	9°56	23°51	26°24	23°R32	22°45	15°23	0°34	S 26
M27	6 49 9	12°45'33	7♏16	28°39	4°12	28° 2	7°31	24°55	9°57	23°53	26°23	23°31	22°41	15°29	0°38	M27
T 28	6 53 6	13°46'41	19° 8	0♉10	5°27	28°21	7°43	24°53	9°58	23°55	26°22	23°28	22°38	15°36	0°43	T 28
W29	6 57 2	14°47'50	0♐57	1°42	6°42	28°39	7°55	24°51	9°58	23°58	26°21	23°23	22°35	15°43	0°48	W29
T 30	7 0 59	15°48'58	12°45	3°14	7°58	28°57	8° 7	24°49	9°59	24° 0	26°20	23°15	22°32	15°50	0°52	T 30
F 31	7 4 56	16♉50'05	24♐36	4♉47	9♉13	29♍14	8♐19	24♉46	10♈ 0	24♉ 2	26♊19	23♎ 3	22♎29	15♐56	0♒57	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s50	16s12	2n16	16s38	2n28	19s52	0n42	6n49	2n15	20s 2	0n37	17n26	2s 5	3n20	0s40	21s19	0n16	19n35	3s56	10s 4	9s22	18s35	14s29	6n 8
T 2	22 56	17 56	3 10	16 56	2 22	20 9	0 40	6 39	2 16	20 4	0 37	17 25	2 5	3 20	0 40	21 18	0 16	19 35	3 56	10 2	9 21	18 35	14 29	6 8
F 3	23 1	18 54	3 55	17 16	2 15	20 26	0 38	6 30	2 17	20 7	0 37	17 24	2 5	3 19	0 40	21 18	0 16	19 35	3 56	9 58	9 20	18 35	14 28	6 8
S 4	23 7	19 1	4 30	17 36	2 8	20 42	0 35	6 20	2 18	20 10	0 37	17 23	2 4	3 19	0 40	21 18	0 16	19 35	3 56	9 55	9 19	18 35	14 27	6 8
S 5	23 11	18 19	4 53	17 58	2 1	20 57	0 33	6 11	2 19	20 12	0 37	17 22	2 4	3 19	0 40	21 17	0 16	19 35	3 56	9 51	9 18	18 36	14 27	6 7
M 6	23 16	16 47	5 4	18 20	1 53	21 12	0 31	6 2	2 20	20 15	0 37	17 21	2 4	3 19	0 40	21 17	0 16	19 35	3 56	9 46	9 17	18 36	14 26	6 7
T 7	23 19	14 31	5 1	18 42	1 45	21 26	0 28	5 53	2 21	20 18	0 37	17 21	2 4	3 19	0 40	21 17	0 16	19 35	3 56	9 43	9 15	18 36	14 26	6 7
W 8	23 23	11 35	4 44	19 4	1 37	21 40	0 26	5 44	2 22	20 20	0 37	17 20	2 4	3 19	0 39	21 16	0 16	19 35	3 56	9 40	9 14	18 36	14 25	6 6
T 9	23 25	8 6	4 14	19 26	1 29	21 53	0 24	5 35	2 23	20 23	0 37	17 19	2 3	3 19	0 39	21 16	0 16	19 35	3 56	9 37	9 13	18 37	14 25	6 6
F 10	23 28	4 11	3 31	19 48	1 21	22 5	0 21	5 26	2 24	20 25	0 37	17 18	2 3	3 19	0 39	21 16	0 16	19 35	3 56	9 36	9 12	18 37	14 24	6 6
S 11	23 30	0n 2	2 36	20 10	1 13	22 17	0 19	5 18	2 25	20 28	0 37	17 18	2 3	3 19	0 39	21 15	0 16	19 35	3 56	9 36	9 11	18 37	14 23	6 6
S 12	23 31	4 21	1 31	20 32	1 5	22 28	0 16	5 9	2 26	20 30	0 37	17 17	2 3	3 19	0 39	21 15	0 16	19 35	3 55	9 36	9 10	18 37	14 23	6 6
M13	23 32	8 35	0 19	20 53	0 57	22 38	0 14	5 1	2 27	20 33	0 37	17 16	2 3	3 19	0 39	21 15	0 16	19 35	3 55	9 36	9 8	18 37	14 22	6 5
T 14	23 33	12 29	0s57	21 13	0 49	22 48	0 11	4 53	2 29	20 35	0 37	17 16	2 2	3 19	0 39	21 14	0 16	19 35	3 55	9 36	9 7	18 38	14 21	6 5
W15	23 33	15 43	2 10	21 33	0 40	22 57	0 9	4 44	2 30	20 37	0 37	17 15	2 2	3 19	0 39	21 14	0 16	19 35	3 55	9 35	9 6	18 38	14 21	6 5
T 16	23 32	17 59	3 17	21 52	0 32	23 5	0 6	4 36	2 31	20 40	0 37	17 14	2 2	3 19	0 39	21 14	0 16	19 35	3 55	9 33	9 5	18 38	14 20	6 5
F 17	23 31	19 1	4 10	22 10	0 25	23 13	0 4	4 28	2 32	20 42	0 36	17 14	2 2	3 19	0 39	21 13	0 16	19 35	3 55	9 30	9 4	18 38	14 19	6 5
S 18	23 30	18 40	4 46	22 28	0 17	23 20	0 1	4 21	2 33	20 44	0 36	17 13	2 2	3 19	0 39	21 13	0 16	19 35	3 55	9 27	9 2	18 39	14 19	6 4
S 19	23 28	16 59	5 2	22 44	0 9	23 26	0s 1	4 13	2 34	20 47	0 36	17 13	2 1	3 20	0 39	21 13	0 16	19 35	3 55	9 23	9 1	18 39	14 18	6 4
M20	23 25	14 11	4 56	23 0	0 1	23 31	0 3	4 5	2 35	20 49	0 36	17 12	2 1	3 20	0 39	21 12	0 16	19 35	3 55	9 19	9 0	18 39	14 17	6 4
T 21	23 23	10 35	4 31	23 14	0s 6	23 36	0 6	3 58	2 36	20 51	0 36	17 12	2 1	3 20	0 39	21 12	0 16	19 35	3 55	9 15	8 59	18 39	14 16	6 4
W22	23 19	6 31	3 51	23 28	0 13	23 40	0 8	3 51	2 38	20 53	0 36	17 11	2 1	3 20	0 39	21 12	0 16	19 35	3 55	9 13	8 58	18 39	14 16	6 4
T 23	23 15	2 15	2 59	23 41	0 20	23 43	0 11	3 44	2 39	20 55	0 36	17 11	2 0	3 21	0 39	21 11	0 16	19 35	3 55	9 11	8 57	18 40	14 15	6 4
F 24	23 11	1s59	1 59	23 52	0 27	23 46	0 13	3 37	2 40	20 58	0 36	17 10	2 0	3 21	0 39	21 11	0 16	19 35	3 55	9 11	8 55	18 40	14 14	6 3
S 25	23 7	6 0	0 56	24 2	0 34	23 47	0 15	3 30	2 41	21 0	0 36	17 10	2 0	3 21	0 39	21 10	0 16	19 35	3 55	9 10	8 54	18 40	14 13	6 3
S 26	23 1	9 40	0n 9	24 12	0 41	23 48	0 18	3 23	2 42	21 2	0 36	17 9	2 0	3 21	0 39	21 10	0 16	19 35	3 54	9 10	8 53	18 40	14 12	6 3
M27	22 56	12 52	1 12	24 20	0 47	23 49	0 20	3 17	2 44	21 4	0 36	17 9	1 59	3 22	0 39	21 10	0 16	19 35	3 54	9 10	8 52	18 40	14 11	6 3
T 28	22 50	15 29	2 11	24 26	0 54	23 48	0 23	3 11	2 45	21 6	0 36	17 9	1 59	3 22	0 39	21 9	0 16	19 35	3 54	9 9	8 51	18 40	14 11	6 3
W29	22 43	17 26	3 4	24 32	1 0	23 47	0 25	3 4	2 46	21 8	0 36	17 8	1 59	3 22	0 39	21 9	0 16	19 35	3 54	9 7	8 49	18 41	14 10	6 3
T 30	22 36	18 38	3 49	24 36	1 5	23 45	0 27	2 59	2 47	21 10	0 36	17 8	1 59	3 23	0 39	21 9	0 16	19 35	3 54	9 4	8 48	18 41	14 9	6 3
F 31	22s29	19s 2	4n24	24s38	1s11	23s43	0s29	2n53	2n48	21s12	0n36	17n 8	1s58	3n23	0s39	21s 8	0n16	19n36	3s54	9s 0	8s47	18s41	14s 8	6n 2

Julian Day Number = 2150926.5, Delta T = 14m12s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'50, Lahiri = 12°22'51 Julian Calendar 1 Dec. 1176 == Greg. Calendar 8 Dec. 1176

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

JANUARY 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 52	17♑51'12	6♑32	6♑21	10♑29	29♍31	8♐31	24°R44	10♈ 1	24♑ 5	26°R17	22°R50	22♎26	16♐ 3	1♒ 2	S 1
S 2	7 12 49	18°52'18	18°35	7°55	11°44	29°47	8°43	24♉43	10° 2	24° 7	26♊16	22♎35	22°22	16°10	1° 7	S 2
M 3	7 16 45	19°53'23	0♒46	9°29	12°59	0♎ 3	8°55	24°41	10° 3	24° 9	26°15	22°20	22°19	16°16	1°11	M 3
T 4	7 20 42	20°54'28	13° 5	11° 5	14°15	0°19	9° 7	24°39	10° 5	24°11	26°14	22° 6	22°16	16°23	1°16	T 4
W 5	7 24 38	21°55'31	25°32	12°40	15°30	0°34	9°18	24°38	10° 6	24°14	26°13	21°54	22°13	16°30	1°21	W 5
T 6	7 28 35	22°56'34	8♓10	14°17	16°45	0°48	9°30	24°36	10° 7	24°16	26°12	21°46	22°10	16°36	1°26	T 6
F 7	7 32 31	23°57'35	20°59	15°54	18° 1	1° 2	9°41	24°35	10° 8	24°18	26°11	21°40	22° 6	16°43	1°30	F 7
S 8	7 36 28	24°58'35	4♈ 2	17°32	19°16	1°16	9°53	24°34	10°10	24°20	26°10	21°38	22° 3	16°50	1°35	S 8
S 9	7 40 25	25°59'34	17°21	19°10	20°31	1°29	10° 4	24°32	10°11	24°23	26° 9	21°37	22° 0	16°56	1°40	S 9
M10	7 44 21	27° 0'32	0♉58	20°49	21°47	1°41	10°16	24°31	10°13	24°25	26° 8	21°37	21°57	17° 3	1°45	M10
T 11	7 48 18	28° 1'28	14°55	22°28	23° 2	1°53	10°27	24°31	10°14	24°27	26° 7	21°36	21°54	17°10	1°49	T 11
W12	7 52 14	29° 2'23	29°12	24° 9	24°17	2° 4	10°38	24°30	10°16	24°30	26° 6	21°34	21°51	17°17	1°54	W12
T 13	7 56 11	0♒ 3'17	13♊49	25°50	25°33	2°15	10°49	24°29	10°17	24°32	26° 5	21°28	21°47	17°23	1°59	T 13
F 14	8 0 7	1° 4'09	28°41	27°31	26°48	2°25	11° 0	24°29	10°19	24°34	26° 4	21°20	21°44	17°30	2° 4	F 14
S 15	8 4 4	2° 5'00	13♋40	29°14	28° 3	2°35	11°11	24°28	10°21	24°36	26° 3	21°10	21°41	17°37	2° 9	S 15
S 16	8 8 1	3° 5'50	28°37	0♒57	29°18	2°44	11°22	24°28	10°22	24°39	26° 2	20°58	21°38	17°43	2°13	S 16
M17	8 11 57	4° 6'38	13♌23	2°41	0♒34	2°53	11°32	24°28	10°24	24°41	26° 1	20°47	21°35	17°50	2°18	M17
T 18	8 15 54	5° 7'26	27°50	4°26	1°49	3° 1	11°43	24°D27	10°26	24°43	26° 0	20°37	21°32	17°57	2°23	T 18
W19	8 19 50	6° 8'11	11♍51	6°11	3° 4	3° 8	11°53	24°28	10°28	24°45	25°59	20°29	21°28	18° 3	2°28	W19
T 20	8 23 47	7° 8'56	25°24	7°58	4°19	3°15	12° 4	24°28	10°30	24°48	25°58	20°24	21°25	18°10	2°33	T 20
F 21	8 27 43	8° 9'40	8♎30	9°44	5°35	3°21	12°14	24°28	10°32	24°50	25°57	20°22	21°22	18°17	2°37	F 21
S 22	8 31 40	9°10'22	21°10	11°32	6°50	3°26	12°24	24°28	10°34	24°52	25°56	20°D21	21°19	18°24	2°42	S 22
S 23	8 35 36	10°11'04	3♏30	13°20	8° 5	3°31	12°34	24°29	10°36	24°54	25°55	20°21	21°16	18°30	2°47	S 23
M24	8 39 33	11°11'44	15°34	15° 9	9°20	3°35	12°44	24°29	10°38	24°57	25°55	20°R21	21°12	18°37	2°52	M24
T 25	8 43 29	12°12'23	27°28	16°59	10°35	3°38	12°54	24°30	10°40	24°59	25°54	20°20	21° 9	18°44	2°56	T 25
W26	8 47 26	13°13'01	9♐18	18°49	11°50	3°41	13° 4	24°31	10°42	25° 1	25°53	20°17	21° 6	18°50	3° 1	W26
T 27	8 51 23	14°13'37	21° 7	20°40	13° 6	3°43	13°14	24°32	10°44	25° 3	25°52	20°11	21° 3	18°57	3° 6	T 27
F 28	8 55 19	15°14'13	3♑ 1	22°30	14°21	3°44	13°23	24°33	10°46	25° 5	25°52	20° 2	21° 0	19° 4	3°11	F 28
S 29	8 59 16	16°14'47	15° 3	24°22	15°36	3°R44	13°33	24°34	10°49	25° 7	25°51	19°51	20°57	19°11	3°15	S 29
S 30	9 3 12	17°15'19	27°14	26°13	16°51	3°44	13°42	24°35	10°51	25°10	25°50	19°39	20°53	19°17	3°20	S 30
M31	9 7 9	18♒15'50	9♒36	28♒ 4	18♒ 6	3♎43	13♐51	24♉37	10♈53	25♑12	25♊49	19♎27	20♎50	19♐24	3♒25	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s21	18s36	4n48	24s40	1s17	23s39	0s32	2n47	2n50	21s14	0n36	17n 8	1s58	3n24	0s39	21s 8	0n16	19n36	3s54	8s55	8s46	18s41	14s 7	6n 2
S 2	22 12	17 19	4 59	24 40	1 22	23 35	0 34	2 42	2 51	21 16	0 36	17 7	1 58	3 24	0 39	21 7	0 16	19 36	3 54	8 49	8 45	18 41	14 6	6 2
M 3	22 4	15 15	4 56	24 39	1 27	23 30	0 36	2 36	2 52	21 17	0 36	17 7	1 58	3 25	0 38	21 7	0 16	19 36	3 54	8 44	8 44	18 41	14 5	6 2
T 4	21 55	12 29	4 40	24 36	1 31	23 25	0 38	2 31	2 53	21 19	0 36	17 7	1 57	3 25	0 38	21 7	0 16	19 36	3 54	8 39	8 42	18 42	14 4	6 2
W 5	21 45	9 8	4 10	24 31	1 36	23 18	0 40	2 27	2 55	21 21	0 36	17 7	1 57	3 26	0 38	21 6	0 16	19 36	3 54	8 34	8 41	18 42	14 3	6 2
T 6	21 35	5 20	3 28	24 26	1 40	23 11	0 42	2 22	2 56	21 23	0 36	17 7	1 57	3 26	0 38	21 6	0 16	19 36	3 53	8 31	8 40	18 42	14 2	6 2
F 7	21 25	1 14	2 34	24 18	1 44	23 4	0 44	2 18	2 57	21 25	0 36	17 7	1 57	3 27	0 38	21 5	0 16	19 36	3 53	8 29	8 39	18 42	14 1	6 2
S 8	21 14	3n 1	1 32	24 10	1 47	22 55	0 46	2 13	2 58	21 26	0 36	17 7	1 56	3 27	0 38	21 5	0 16	19 36	3 53	8 28	8 38	18 42	14 1	6 2
S 9	21 2	7 11	0 23	23 59	1 50	22 46	0 48	2 9	3 0	21 28	0 36	17 7	1 56	3 28	0 38	21 5	0 16	19 36	3 53	8 28	8 36	18 42	14 0	6 2
M10	20 51	11 5	0s49	23 47	1 53	22 36	0 50	2 5	3 1	21 30	0 36	17 7	1 56	3 28	0 38	21 4	0 16	19 36	3 53	8 28	8 35	18 42	13 59	6 2
T 11	20 39	14 28	2 0	23 34	1 56	22 26	0 52	2 2	3 2	21 31	0 36	17 7	1 55	3 29	0 38	21 4	0 16	19 36	3 53	8 27	8 34	18 42	13 58	6 2
W12	20 26	17 4	3 5	23 19	1 58	22 14	0 54	1 59	3 3	21 33	0 36	17 7	1 55	3 30	0 38	21 4	0 16	19 36	3 53	8 26	8 33	18 43	13 57	6 2
T 13	20 14	18 36	3 59	23 2	2 0	22 2	0 56	1 55	3 5	21 34	0 36	17 7	1 55	3 30	0 38	21 3	0 16	19 36	3 53	8 25	8 32	18 43	13 56	6 2
F 14	20 0	18 54	4 38	22 44	2 2	21 50	0 58	1 52	3 6	21 36	0 36	17 7	1 55	3 31	0 38	21 3	0 16	19 37	3 53	8 21	8 30	18 43	13 54	6 2
S 15	19 47	17 54	4 58	22 24	2 3	21 37	0 59	1 50	3 7	21 38	0 36	17 7	1 54	3 32	0 38	21 2	0 16	19 37	3 53	8 18	8 29	18 43	13 53	6 2
S 16	19 33	15 40	4 58	22 2	2 3	21 23	1 1	1 47	3 9	21 39	0 36	17 7	1 54	3 32	0 38	21 2	0 16	19 37	3 52	8 13	8 28	18 43	13 52	6 2
M17	19 19	12 26	4 38	21 39	2 4	21 8	1 3	1 45	3 10	21 41	0 36	17 8	1 54	3 33	0 38	21 2	0 16	19 37	3 52	8 9	8 27	18 43	13 51	6 2
T 18	19 4	8 31	4 0	21 14	2 4	20 53	1 4	1 43	3 11	21 42	0 36	17 8	1 54	3 34	0 38	21 1	0 16	19 37	3 52	8 5	8 26	18 43	13 50	6 2
W19	18 49	4 14	3 9	20 48	2 3	20 38	1 6	1 41	3 12	21 43	0 36	17 8	1 53	3 35	0 38	21 1	0 16	19 37	3 52	8 2	8 24	18 43	13 49	6 2
T 20	18 34	0s 8	2 8	20 19	2 2	20 21	1 7	1 40	3 14	21 45	0 36	17 9	1 53	3 36	0 38	21 0	0 16	19 37	3 52	8 0	8 23	18 43	13 48	6 2
F 21	18 18	4 20	1 3	19 49	2 1	20 4	1 9	1 39	3 15	21 46	0 36	17 9	1 53	3 36	0 38	21 0	0 16	19 37	3 52	7 59	8 22	18 44	13 47	6 2
S 22	18 2	8 14	0n 4	19 18	1 59	19 47	1 10	1 38	3 16	21 48	0 36	17 9	1 52	3 37	0 38	21 0	0 16	19 37	3 52	7 59	8 21	18 44	13 46	6 2
S 23	17 46	11 39	1 9	18 44	1 56	19 29	1 12	1 37	3 17	21 49	0 36	17 10	1 52	3 38	0 38	20 59	0 16	19 37	3 52	7 59	8 20	18 44	13 45	6 2
M24	17 30	14 30	2 10	18 9	1 53	19 10	1 13	1 36	3 19	21 50	0 36	17 10	1 52	3 39	0 38	20 59	0 16	19 37	3 52	7 59	8 18	18 44	13 44	6 2
T 25	17 13	16 42	3 4	17 33	1 49	18 51	1 14	1 36	3 20	21 51	0 36	17 10	1 52	3 40	0 38	20 58	0 16	19 38	3 51	7 59	8 17	18 44	13 43	6 2
W26	16 55	18 9	3 50	16 55	1 45	18 31	1 15	1 36	3 21	21 53	0 36	17 11	1 51	3 41	0 38	20 58	0 16	19 38	3 51	7 57	8 16	18 44	13 42	6 2
T 27	16 38	18 50	4 25	16 15	1 40	18 11	1 16	1 37	3 22	21 54	0 36	17 11	1 51	3 41	0 38	20 58	0 16	19 38	3 51	7 55	8 15	18 44	13 40	6 2
F 28	16 20	18 41	4 50	15 34	1 35	17 50	1 17	1 37	3 23	21 55	0 36	17 12	1 51	3 42	0 38	20 57	0 15	19 38	3 51	7 52	8 14	18 44	13 39	6 2
S 29	16 2	17 41	5 2	14 51	1 29	17 29	1 18	1 38	3 25	21 56	0 36	17 13	1 50	3 43	0 38	20 57	0 15	19 38	3 51	7 48	8 13	18 44	13 38	6 2
S 30	15 44	15 54	5 0	14 7	1 22	17 7	1 19	1 39	3 26	21 57	0 36	17 13	1 50	3 44	0 38	20 57	0 15	19 38	3 51	7 43	8 11	18 44	13 37	6 2
M31	15s25	13s21	4n45	13s22	1s15	16s45	1s20	1n41	3n27	21s58	0n36	17n14	1s50	3n45	0s38	20s56	0n15	19n38	3s51	7s39	8s10	18s44	13s36	6n 2

Julian Day Number = 2150957.5, Delta T = 14m12s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'55, Lahiri = 12°22'55 Julian Calendar 1 Jan. 1177 == Greg. Calendar 8 Jan. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

FEBRUARY 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 5	19♒16'19	22♒10	29♒54	19♒21	3°R41	14♐ 0	24♉38	10♈56	25♋14	25°R49	19°R16	20♎47	19♐31	3♒29	T 1
W 2	9 15 2	20°16'47	4♓56	1♓44	20°36	3♎38	14° 9	24°40	10°58	25°16	25♊48	19♎ 7	20°44	19°37	3°34	W 2
T 3	9 18 58	21°17'12	17°53	3°33	21°51	3°35	14°18	24°41	11° 1	25°18	25°47	19° 0	20°41	19°44	3°39	T 3
F 4	9 22 55	22°17'36	1♈ 1	5°21	23° 6	3°31	14°27	24°43	11° 3	25°20	25°47	18°56	20°38	19°51	3°43	F 4
S 5	9 26 52	23°17'58	14°20	7° 7	24°21	3°26	14°36	24°45	11° 6	25°22	25°46	18°D54	20°34	19°57	3°48	S 5
S 6	9 30 48	24°18'18	27°51	8°52	25°36	3°20	14°44	24°47	11° 8	25°24	25°46	18°54	20°31	20° 4	3°52	S 6
M 7	9 34 45	25°18'36	11♉33	10°33	26°51	3°14	14°52	24°49	11°11	25°26	25°45	18°55	20°28	20°11	3°57	M 7
T 8	9 38 41	26°18'52	25°28	12°12	28° 6	3° 7	15° 1	24°52	11°14	25°28	25°45	18°R56	20°25	20°18	4° 2	T 8
W 9	9 42 38	27°19'06	9♊36	13°47	29°21	2°59	15° 9	24°54	11°16	25°30	25°44	18°55	20°22	20°24	4° 6	W 9
T 10	9 46 34	28°19'18	23°54	15°17	0♓36	2°50	15°17	24°56	11°19	25°32	25°44	18°53	20°18	20°31	4°11	T 10
F 11	9 50 31	29°19'28	8♋22	16°43	1°51	2°40	15°25	24°59	11°22	25°34	25°43	18°48	20°15	20°38	4°15	F 11
S 12	9 54 27	0♓19'35	22°53	18° 4	3° 6	2°30	15°32	25° 2	11°24	25°36	25°43	18°41	20°12	20°44	4°19	S 12
S 13	9 58 24	1°19'41	7♌23	19°19	4°21	2°19	15°40	25° 4	11°27	25°38	25°42	18°34	20° 9	20°51	4°24	S 13
M14	10 2 21	2°19'44	21°46	20°27	5°36	2° 7	15°47	25° 7	11°30	25°40	25°42	18°26	20° 6	20°58	4°28	M14
T 15	10 6 17	3°19'45	5♍54	21°28	6°51	1°54	15°54	25°10	11°33	25°42	25°41	18°19	20° 3	21° 4	4°33	T 15
W16	10 10 14	4°19'45	19°43	22°22	8° 6	1°41	16° 2	25°13	11°36	25°44	25°41	18°14	19°59	21°11	4°37	W16
T 17	10 14 10	5°19'42	3♎ 9	23° 8	9°20	1°27	16° 9	25°17	11°39	25°46	25°41	18°11	19°56	21°18	4°41	T 17
F 18	10 18 7	6°19'38	16°13	23°45	10°35	1°12	16°15	25°20	11°42	25°48	25°40	18°D10	19°53	21°25	4°45	F 18
S 19	10 22 3	7°19'32	28°55	24°14	11°50	0°57	16°22	25°23	11°45	25°50	25°40	18°10	19°50	21°31	4°50	S 19
S 20	10 26 0	8°19'24	11♏18	24°34	13° 5	0°41	16°29	25°27	11°48	25°51	25°40	18°12	19°47	21°38	4°54	S 20
M21	10 29 56	9°19'15	23°26	24°46	14°19	0°24	16°35	25°30	11°51	25°53	25°40	18°13	19°43	21°45	4°58	M21
T 22	10 33 53	10°19'03	5♐24	24°R48	15°34	0° 7	16°41	25°34	11°54	25°55	25°39	18°R14	19°40	21°51	5° 2	T 22
W23	10 37 50	11°18'51	17°16	24°42	16°49	29♍48	16°47	25°38	11°57	25°57	25°39	18°14	19°37	21°58	5° 6	W23
T 24	10 41 46	12°18'36	29° 8	24°28	18° 4	29°30	16°53	25°42	12° 0	25°58	25°39	18°13	19°34	22° 5	5°10	T 24
F 25	10 45 43	13°18'19	11♑ 4	24° 6	19°18	29°11	16°59	25°46	12° 3	26° 0	25°39	18°10	19°31	22°12	5°14	F 25
S 26	10 49 39	14°18'01	23° 8	23°37	20°33	28°51	17° 5	25°50	12° 6	26° 2	25°39	18° 5	19°28	22°18	5°18	S 26
S 27	10 53 36	15°17'41	5♒25	23° 1	21°48	28°31	17°10	25°54	12° 9	26° 3	25°39	18° 0	19°24	22°25	5°22	S 27
M28	10 57 32	16♓17'19	17♒56	22♓20	23♓ 2	28♍10	17♐16	25♉58	12♈12	26♋ 5	25♊39	17♎54	19♎21	22♐32	5♒26	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s 6	10s 9	4n15	12s35	1s 6	16s22	1s21	1n43	3n28	22s 0	0n36	17n14	1s50	3n46	0s38	20s56	0n15	19n38	3s50	7s34	8s 9	18s44	13s35	6n 2	T 1
W 2	14 47	6 27	3 32	11 48	0 58	15 59	1 22	1 45	3 29	22 1	0 36	17 15	1 49	3 47	0 37	20 55	0 15	19 38	3 50	7 31	8 8	18 44	13 34	6 3	W 2
T 3	14 28	2 23	2 38	11 0	0 48	15 35	1 23	1 47	3 30	22 2	0 36	17 16	1 49	3 48	0 37	20 55	0 15	19 38	3 50	7 28	8 7	18 44	13 32	6 3	T 3
F 4	14 8	1n51	1 34	10 11	0 38	15 11	1 23	1 49	3 31	22 3	0 36	17 16	1 49	3 49	0 37	20 55	0 15	19 39	3 50	7 27	8 5	18 45	13 31	6 3	F 4
S 5	13 49	6 3	0 24	9 21	0 27	14 47	1 24	1 52	3 32	22 4	0 36	17 17	1 49	3 50	0 37	20 54	0 15	19 39	3 50	7 26	8 4	18 45	13 30	6 3	S 5
S 6	13 29	10 1	0s48	8 32	0 16	14 22	1 24	1 55	3 33	22 5	0 36	17 18	1 48	3 51	0 37	20 54	0 15	19 39	3 50	7 26	8 3	18 45	13 29	6 3	S 6
M 7	13 8	13 29	1 59	7 42	0 4	13 56	1 25	1 59	3 34	22 6	0 36	17 19	1 48	3 52	0 37	20 54	0 15	19 39	3 50	7 27	8 2	18 45	13 28	6 3	M 7
T 8	12 48	16 15	3 3	6 53	0n 9	13 31	1 25	2 3	3 35	22 6	0 36	17 19	1 48	3 53	0 37	20 53	0 15	19 39	3 50	7 27	8 1	18 45	13 27	6 3	T 8
W 9	12 27	18 4	3 58	6 5	0 22	13 5	1 25	2 7	3 36	22 7	0 36	17 20	1 47	3 54	0 37	20 53	0 15	19 39	3 49	7 27	7 59	18 45	13 25	6 3	W 9
T 10	12 7	18 46	4 39	5 17	0 35	12 39	1 26	2 11	3 37	22 8	0 36	17 21	1 47	3 55	0 37	20 52	0 15	19 39	3 49	7 26	7 58	18 45	13 24	6 4	T 10
F 11	11 46	18 15	5 2	4 31	0 49	12 12	1 26	2 15	3 37	22 9	0 36	17 22	1 47	3 57	0 37	20 52	0 15	19 39	3 49	7 24	7 57	18 45	13 23	6 4	F 11
S 12	11 24	16 33	5 6	3 46	1 3	11 45	1 26	2 20	3 38	22 10	0 36	17 23	1 47	3 58	0 37	20 52	0 15	19 40	3 49	7 21	7 56	18 45	13 22	6 4	S 12
S 13	11 3	13 49	4 51	3 4	1 17	11 18	1 26	2 25	3 39	22 11	0 36	17 24	1 46	3 59	0 37	20 51	0 15	19 40	3 49	7 18	7 55	18 45	13 21	6 4	S 13
M14	10 41	10 15	4 17	2 24	1 32	10 50	1 26	2 30	3 39	22 12	0 36	17 25	1 46	4 0	0 37	20 51	0 15	19 40	3 49	7 15	7 53	18 45	13 20	6 4	M14
T 15	10 20	6 10	3 28	1 46	1 46	10 22	1 26	2 36	3 40	22 12	0 36	17 26	1 46	4 1	0 37	20 51	0 15	19 40	3 49	7 13	7 52	18 45	13 18	6 4	T 15
W16	9 58	1 50	2 28	1 12	2 0	9 54	1 26	2 42	3 40	22 13	0 36	17 27	1 46	4 2	0 37	20 50	0 15	19 40	3 48	7 11	7 51	18 45	13 17	6 5	W16
T 17	9 36	2s29	1 20	0 42	2 14	9 26	1 26	2 48	3 41	22 14	0 36	17 28	1 45	4 3	0 37	20 50	0 15	19 40	3 48	7 10	7 50	18 45	13 16	6 5	T 17
F 18	9 14	6 34	0 11	0 15	2 27	8 57	1 26	2 54	3 41	22 14	0 36	17 29	1 45	4 5	0 37	20 50	0 15	19 40	3 48	7 9	7 48	18 45	13 15	6 5	F 18
S 19	8 51	10 14	0n58	0n 9	2 40	8 28	1 25	3 0	3 41	22 15	0 36	17 30	1 45	4 6	0 37	20 49	0 15	19 40	3 48	7 9	7 47	18 45	13 14	6 5	S 19
S 20	8 29	13 21	2 2	0 27	2 51	7 59	1 25	3 7	3 42	22 16	0 36	17 31	1 45	4 7	0 37	20 49	0 15	19 41	3 48	7 10	7 46	18 45	13 12	6 5	S 20
M21	8 7	15 49	3 0	0 42	3 2	7 30	1 24	3 14	3 42	22 16	0 36	17 32	1 44	4 8	0 37	20 49	0 15	19 41	3 48	7 10	7 45	18 45	13 11	6 6	M21
T 22	7 44	17 33	3 49	0 52	3 12	7 0	1 24	3 21	3 42	22 17	0 36	17 33	1 44	4 9	0 37	20 48	0 15	19 41	3 48	7 11	7 44	18 45	13 10	6 6	T 22
W23	7 21	18 30	4 27	0 57	3 20	6 30	1 23	3 28	3 42	22 18	0 36	17 34	1 44	4 11	0 37	20 48	0 15	19 41	3 47	7 11	7 42	18 45	13 9	6 6	W23
T 24	6 58	18 38	4 54	0 58	3 27	6 0	1 23	3 35	3 42	22 18	0 36	17 35	1 44	4 12	0 37	20 48	0 15	19 41	3 47	7 10	7 41	18 45	13 8	6 6	T 24
F 25	6 35	17 57	5 9	0 54	3 32	5 30	1 22	3 43	3 42	22 19	0 36	17 37	1 43	4 13	0 37	20 47	0 15	19 41	3 47	7 9	7 40	18 45	13 7	6 7	F 25
S 26	6 12	16 27	5 10	0 45	3 36	5 0	1 21	3 51	3 41	22 19	0 36	17 38	1 43	4 14	0 37	20 47	0 15	19 41	3 47	7 7	7 39	18 45	13 5	6 7	S 26
S 27	5 49	14 11	4 57	0 33	3 38	4 30	1 20	3 58	3 41	22 20	0 36	17 39	1 43	4 15	0 37	20 47	0 15	19 42	3 47	7 5	7 38	18 45	13 4	6 7	S 27
M28	5s26	11s14	4n30	0n16	3n38	4s 0	1s20	4n 6	3n41	22s20	0n36	17n40	1s43	4n17	0s37	20s46	0n15	19n42	3s47	7s 3	7s36	18s45	13s 3	6n 7	M28

Julian Day Number = 2150988.5, Delta T = 14m12s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°15'59, Lahiri = 12°22'59 Julian Calendar 1 Feb. 1177 == Greg. Calendar 8 Feb. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

MARCH 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 29	17♓16'55	0♓43	21°R33	24♓17	27°R49	17♐21	26♉ 2	12♈15	26♋ 7	25°R39	17°R49	19♎18	22♐38	5♒30	T 1
W 2	11 5 25	18°16'29	13°47	20♓44	25°31	27♍27	17°26	26° 7	12°19	26° 8	25♊39	17♎44	19°15	22°45	5°34	W 2
T 3	11 9 22	19°16'01	27° 5	19°52	26°46	27° 5	17°31	26°11	12°22	26°10	25°D38	17°41	19°12	22°52	5°38	T 3
F 4	11 13 18	20°15'31	10♈38	18°58	28° 0	26°43	17°35	26°16	12°25	26°11	25°39	17°40	19° 9	22°58	5°41	F 4
S 5	11 17 15	21°14'59	24°23	18° 4	29°15	26°20	17°40	26°21	12°28	26°13	25°39	17°D40	19° 5	23° 5	5°45	S 5
S 6	11 21 12	22°14'24	8♉17	17°12	0♈30	25°57	17°44	26°25	12°32	26°14	25°39	17°41	19° 2	23°12	5°49	S 6
M 7	11 25 8	23°13'47	22°18	16°21	1°44	25°34	17°48	26°30	12°35	26°16	25°39	17°42	18°59	23°19	5°52	M 7
T 8	11 29 5	24°13'08	6♊25	15°33	2°58	25°11	17°52	26°35	12°38	26°17	25°39	17°44	18°56	23°25	5°56	T 8
W 9	11 33 1	25°12'27	20°36	14°48	4°13	24°48	17°56	26°40	12°41	26°19	25°39	17°R44	18°53	23°32	5°59	W 9
T 10	11 36 58	26°11'43	4♋48	14° 8	5°27	24°25	17°59	26°45	12°45	26°20	25°39	17°44	18°49	23°39	6° 3	T 10
F 11	11 40 54	27°10'57	18°59	13°32	6°42	24° 1	18° 3	26°50	12°48	26°21	25°39	17°43	18°46	23°45	6° 6	F 11
S 12	11 44 51	28°10'08	3♌ 7	13° 2	7°56	23°38	18° 6	26°56	12°52	26°23	25°39	17°41	18°43	23°52	6°10	S 12
S 13	11 48 47	29° 9'17	17° 9	12°37	9°10	23°15	18° 9	27° 1	12°55	26°24	25°40	17°39	18°40	23°59	6°13	S 13
M14	11 52 44	0♈ 8'24	1♍ 2	12°18	10°25	22°52	18°12	27° 6	12°58	26°25	25°40	17°36	18°37	24° 6	6°16	M14
T 15	11 56 41	1° 7'28	14°42	12° 4	11°39	22°29	18°15	27°12	13° 2	26°26	25°40	17°34	18°34	24°12	6°20	T 15
W16	12 0 37	2° 6'30	28° 8	11°56	12°53	22° 7	18°17	27°17	13° 5	26°28	25°41	17°33	18°30	24°19	6°23	W16
T 17	12 4 34	3° 5'30	11♎17	11°D53	14° 7	21°44	18°20	27°23	13° 8	26°29	25°41	17°D32	18°27	24°26	6°26	T 17
F 18	12 8 30	4° 4'29	24°10	11°56	15°22	21°22	18°22	27°29	13°12	26°30	25°41	17°32	18°24	24°32	6°29	F 18
S 19	12 12 27	5° 3'25	6♏46	12° 5	16°36	21° 0	18°24	27°34	13°15	26°31	25°42	17°32	18°21	24°39	6°32	S 19
S 20	12 16 23	6° 2'19	19° 6	12°18	17°50	20°39	18°26	27°40	13°19	26°32	25°42	17°33	18°18	24°46	6°35	S 20
M21	12 20 20	7° 1'12	1♐14	12°36	19° 4	20°18	18°27	27°46	13°22	26°33	25°42	17°34	18°14	24°53	6°38	M21
T 22	12 24 16	8° 0'02	13°13	13° 0	20°18	19°57	18°29	27°52	13°25	26°34	25°43	17°35	18°11	24°59	6°41	T 22
W23	12 28 13	8°58'51	25° 6	13°27	21°32	19°37	18°30	27°58	13°29	26°35	25°43	17°36	18° 8	25° 6	6°44	W23
T 24	12 32 10	9°57'38	6♑59	13°59	22°46	19°18	18°31	28° 4	13°32	26°36	25°44	17°R36	18° 5	25°13	6°47	T 24
F 25	12 36 6	10°56'24	18°56	14°35	24° 0	18°59	18°32	28°10	13°36	26°37	25°44	17°36	18° 2	25°19	6°49	F 25
S 26	12 40 3	11°55'07	1♒ 1	15°15	25°14	18°40	18°33	28°16	13°39	26°38	25°45	17°36	17°59	25°26	6°52	S 26
S 27	12 43 59	12°53'49	13°19	15°59	26°28	18°22	18°33	28°23	13°43	26°39	25°45	17°35	17°55	25°33	6°55	S 27
M28	12 47 56	13°52'29	25°54	16°46	27°42	18° 5	18°33	28°29	13°46	26°40	25°46	17°35	17°52	25°40	6°57	M28
T 29	12 51 52	14°51'07	8♓47	17°37	28°56	17°48	18°R34	28°35	13°50	26°40	25°46	17°35	17°49	25°46	7° 0	T 29
W30	12 55 49	15°49'44	22° 2	18°30	0♉10	17°32	18°34	28°42	13°53	26°41	25°47	17°34	17°46	25°53	7° 2	W30
T 31	12 59 45	16♈48'18	5♈38	19♓27	1♉24	17♍17	18♐33	28♉48	13♈56	26♋42	25♊48	17♎34	17♎43	26♐ 0	7♒ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 3	7s42	3n49	0s 4	3n36	3s29	1s19	4n14	3n40	22s21	0n36	17n41	1s42	4n18	0s37	20s46	0n15	19n42	3s47	7s 1	7s35	18s45	13s 2	6n 8
W 2	4 39	3 43	2 55	0 27	3 32	2 58	1 18	4 22	3 40	22 21	0 36	17 43	1 42	4 19	0 37	20 46	0 15	19 42	3 46	6 59	7 34	18 45	13 1	6 8
T 3	4 16	0n32	1 50	0 53	3 26	2 28	1 17	4 31	3 39	22 22	0 36	17 44	1 42	4 21	0 37	20 46	0 15	19 42	3 46	6 58	7 33	18 45	13 0	6 8
F 4	3 53	4 49	0 38	1 21	3 18	1 57	1 15	4 39	3 38	22 22	0 36	17 45	1 42	4 22	0 37	20 45	0 15	19 42	3 46	6 58	7 32	18 45	12 58	6 8
S 5	3 29	8 55	0s37	1 50	3 9	1 26	1 14	4 47	3 37	22 23	0 36	17 47	1 41	4 23	0 37	20 45	0 15	19 42	3 46	6 58	7 30	18 44	12 57	6 9
S 6	3 6	12 35	1 51	2 21	2 58	0 55	1 13	4 55	3 36	22 23	0 36	17 48	1 41	4 24	0 37	20 45	0 15	19 43	3 46	6 58	7 29	18 44	12 56	6 9
M 7	2 42	15 32	2 59	2 51	2 46	0 24	1 12	5 3	3 35	22 23	0 36	17 49	1 41	4 26	0 37	20 44	0 15	19 43	3 46	6 59	7 28	18 44	12 55	6 9
T 8	2 18	17 35	3 57	3 22	2 33	0n 7	1 10	5 12	3 34	22 24	0 36	17 51	1 41	4 27	0 37	20 44	0 15	19 43	3 46	6 59	7 27	18 44	12 54	6 10
W 9	1 55	18 33	4 40	3 52	2 19	0 38	1 9	5 20	3 33	22 24	0 36	17 52	1 40	4 28	0 37	20 44	0 15	19 43	3 45	6 59	7 26	18 44	12 53	6 10
T 10	1 31	18 21	5 7	4 21	2 5	1 9	1 8	5 28	3 31	22 24	0 36	17 53	1 40	4 30	0 37	20 44	0 15	19 43	3 45	6 59	7 24	18 44	12 52	6 10
F 11	1 8	17 0	5 15	4 49	1 50	1 39	1 6	5 36	3 30	22 25	0 36	17 55	1 40	4 31	0 37	20 43	0 15	19 43	3 45	6 59	7 23	18 44	12 50	6 11
S 12	0 44	14 37	5 4	5 15	1 34	2 10	1 5	5 44	3 29	22 25	0 36	17 56	1 40	4 32	0 37	20 43	0 15	19 43	3 45	6 58	7 22	18 44	12 49	6 11
S 13	0 20	11 24	4 34	5 39	1 18	2 41	1 3	5 51	3 27	22 25	0 36	17 58	1 40	4 34	0 37	20 43	0 15	19 44	3 45	6 57	7 21	18 44	12 48	6 11
M14	0n 3	7 35	3 49	6 1	1 3	3 12	1 1	5 59	3 25	22 25	0 36	17 59	1 39	4 35	0 37	20 43	0 15	19 44	3 45	6 56	7 19	18 44	12 47	6 11
T 15	0 27	3 25	2 52	6 20	0 47	3 43	1 0	6 6	3 24	22 26	0 36	18 1	1 39	4 36	0 37	20 42	0 15	19 44	3 45	6 55	7 18	18 44	12 46	6 12
W16	0 51	0s52	1 45	6 38	0 32	4 13	0 58	6 14	3 22	22 26	0 36	18 2	1 39	4 38	0 37	20 42	0 15	19 44	3 44	6 55	7 17	18 44	12 45	6 12
T 17	1 14	5 1	0 34	6 52	0 17	4 44	0 56	6 21	3 20	22 26	0 36	18 3	1 39	4 39	0 37	20 42	0 15	19 44	3 44	6 55	7 16	18 44	12 44	6 12
F 18	1 38	8 51	0n37	7 5	0 2	5 14	0 54	6 28	3 18	22 26	0 36	18 5	1 39	4 40	0 37	20 42	0 15	19 44	3 44	6 55	7 15	18 44	12 43	6 13
S 19	2 1	12 11	1 44	7 14	0s12	5 45	0 52	6 35	3 16	22 27	0 36	18 6	1 38	4 42	0 37	20 42	0 15	19 44	3 44	6 55	7 13	18 44	12 42	6 13
S 20	2 25	14 55	2 46	7 22	0 25	6 15	0 50	6 41	3 14	22 27	0 36	18 8	1 38	4 43	0 37	20 41	0 15	19 45	3 44	6 55	7 12	18 43	12 41	6 13
M21	2 48	16 55	3 39	7 27	0 38	6 45	0 48	6 48	3 12	22 27	0 36	18 9	1 38	4 44	0 37	20 41	0 15	19 45	3 44	6 56	7 11	18 43	12 40	6 14
T 22	3 11	18 9	4 22	7 29	0 51	7 15	0 46	6 54	3 9	22 27	0 36	18 11	1 38	4 46	0 37	20 41	0 15	19 45	3 44	6 56	7 10	18 43	12 39	6 14
W23	3 35	18 34	4 53	7 30	1 2	7 45	0 44	6 59	3 7	22 27	0 36	18 13	1 38	4 47	0 37	20 41	0 15	19 45	3 43	6 56	7 9	18 43	12 37	6 15
T 24	3 58	18 10	5 12	7 28	1 14	8 14	0 42	7 5	3 5	22 27	0 36	18 14	1 37	4 48	0 37	20 41	0 15	19 45	3 43	6 56	7 7	18 43	12 36	6 15
F 25	4 21	16 58	5 17	7 23	1 24	8 44	0 40	7 10	3 2	22 27	0 36	18 16	1 37	4 50	0 37	20 40	0 15	19 45	3 43	6 56	7 6	18 43	12 35	6 15
S 26	4 44	15 0	5 8	7 17	1 34	9 13	0 38	7 15	3 0	22 27	0 36	18 17	1 37	4 51	0 37	20 40	0 15	19 46	3 43	6 56	7 5	18 43	12 34	6 16
S 27	5 7	12 20	4 46	7 8	1 43	9 42	0 36	7 20	2 57	22 27	0 36	18 19	1 37	4 52	0 37	20 40	0 15	19 46	3 43	6 56	7 4	18 43	12 33	6 16
M28	5 30	9 2	4 9	6 58	1 52	10 11	0 33	7 25	2 55	22 27	0 36	18 20	1 37	4 54	0 37	20 40	0 15	19 46	3 43	6 56	7 2	18 43	12 32	6 16
T 29	5 53	5 14	3 19	6 45	2 0	10 40	0 31	7 29	2 52	22 27	0 36	18 22	1 36	4 55	0 37	20 40	0 15	19 46	3 43	6 56	7 1	18 42	12 31	6 17
W30	6 15	1 5	2 17	6 31	2 7	11 8	0 29	7 33	2 50	22 27	0 36	18 23	1 36	4 56	0 37	20 40	0 15	19 46	3 42	6 56	7 0	18 42	12 30	6 17
T 31	6n38	3n15	1n 6	6s15	2s14	11n36	0s27	7n36	2n47	22s27	0n36	18n25	1s36	4n58	0s37	20s40	0n15	19n46	3s42	6s56	6s59	18s42	12s30	6n18

Julian Day Number = 2151016.5, Delta T = 14m12s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'03, Lahiri = 12°23'03 Julian Calendar 1 March 1177 == Greg. Calendar 8 March 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

APRIL 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 3 42	17♈46'51	19♈32	20♓27	2♉38	17°R 3	18°R33	28♉55	14♈ 0	26♑43	25♊48	17°R34	17♎40	26♐ 6	7♒ 7	F 1
S 2	13 7 38	18°45'22	3♉43	21°30	3°52	16♍49	18♐32	29° 1	14° 3	26°43	25°49	17♎34	17°36	26°13	7° 9	S 2
S 3	13 11 35	19°43'50	18° 6	22°35	5° 6	16°36	18°31	29° 8	14° 7	26°44	25°50	17°34	17°33	26°20	7°11	S 3
M 4	13 15 32	20°42'17	2♊34	23°43	6°19	16°24	18°30	29°15	14°10	26°45	25°50	17°34	17°30	26°27	7°13	M 4
T 5	13 19 28	21°40'42	17° 4	24°53	7°33	16°12	18°29	29°21	14°14	26°45	25°51	17°33	17°27	26°33	7°15	T 5
W 6	13 23 25	22°39'05	1♋30	26° 6	8°47	16° 2	18°28	29°28	14°17	26°46	25°52	17°33	17°24	26°40	7°17	W 6
T 7	13 27 21	23°37'25	15°48	27°21	10° 1	15°52	18°26	29°35	14°20	26°46	25°53	17°33	17°20	26°47	7°19	T 7
F 8	13 31 18	24°35'43	29°56	28°38	11°14	15°43	18°24	29°42	14°24	26°47	25°53	17°D33	17°17	26°53	7°21	F 8
S 9	13 35 14	25°34'00	13♌51	29°57	12°28	15°34	18°23	29°49	14°27	26°47	25°54	17°33	17°14	27° 0	7°23	S 9
S 10	13 39 11	26°32'13	27°32	1♈19	13°42	15°27	18°20	29°56	14°31	26°48	25°55	17°34	17°11	27° 7	7°25	S 10
M11	13 43 7	27°30'25	11♍ 0	2°43	14°55	15°20	18°18	0♊ 3	14°34	26°48	25°56	17°35	17° 8	27°14	7°26	M11
T 12	13 47 4	28°28'35	24°15	4° 8	16° 9	15°14	18°16	0°10	14°37	26°48	25°57	17°35	17° 5	27°20	7°28	T 12
W13	13 51 1	29°26'43	7♎16	5°36	17°22	15° 9	18°13	0°17	14°41	26°49	25°58	17°36	17° 1	27°27	7°30	W13
T 14	13 54 57	0♉24'49	20° 4	7° 6	18°36	15° 5	18°10	0°24	14°44	26°49	25°59	17°R36	16°58	27°34	7°31	T 14
F 15	13 58 54	1°22'53	2♏39	8°38	19°49	15° 1	18° 7	0°31	14°47	26°49	26° 0	17°36	16°55	27°40	7°33	F 15
S 16	14 2 50	2°20'56	15° 2	10°11	21° 3	14°59	18° 4	0°38	14°51	26°49	26° 0	17°35	16°52	27°47	7°34	S 16
S 17	14 6 47	3°18'57	27°15	11°47	22°16	14°57	18° 1	0°46	14°54	26°50	26° 1	17°33	16°49	27°54	7°35	S 17
M18	14 10 43	4°16'57	9♐19	13°25	23°29	14°56	17°57	0°53	14°57	26°50	26° 2	17°30	16°45	28° 1	7°37	M18
T 19	14 14 40	5°14'55	21°16	15° 4	24°43	14°D55	17°53	1° 0	15° 1	26°50	26° 3	17°28	16°42	28° 7	7°38	T 19
W20	14 18 36	6°12'52	3♑ 9	16°46	25°56	14°56	17°49	1° 8	15° 4	26°50	26° 4	17°25	16°39	28°14	7°39	W20
T 21	14 22 33	7°10'47	15° 2	18°30	27° 9	14°57	17°45	1°15	15° 7	26°50	26° 5	17°23	16°36	28°21	7°40	T 21
F 22	14 26 30	8° 8'41	26°58	20°15	28°23	14°59	17°41	1°22	15°10	26°R50	26° 6	17°21	16°33	28°27	7°41	F 22
S 23	14 30 26	9° 6'33	9♒ 2	22° 3	29°36	15° 1	17°37	1°30	15°14	26°50	26° 8	17°D21	16°30	28°34	7°42	S 23
S 24	14 34 23	10° 4'25	21°18	23°52	0♊49	15° 4	17°32	1°37	15°17	26°50	26° 9	17°21	16°26	28°41	7°43	S 24
M25	14 38 19	11° 2'15	3♓51	25°43	2° 2	15° 8	17°28	1°45	15°20	26°50	26°10	17°23	16°23	28°48	7°43	M25
T 26	14 42 16	12° 0'04	16°44	27°37	3°16	15°13	17°23	1°52	15°23	26°50	26°11	17°24	16°20	28°54	7°44	T 26
W27	14 46 12	12°57'51	0♈ 2	29°32	4°29	15°19	17°18	2° 0	15°26	26°50	26°12	17°25	16°17	29° 1	7°45	W27
T 28	14 50 9	13°55'37	13°44	1♉29	5°42	15°25	17°13	2° 8	15°29	26°50	26°13	17°R26	16°14	29° 8	7°45	T 28
F 29	14 54 5	14°53'23	27°52	3°28	6°55	15°31	17° 7	2°15	15°33	26°49	26°14	17°26	16°11	29°14	7°46	F 29
S 30	14 58 2	15♉51'06	12♉21	5♉29	8♊ 8	15♍39	17♐ 2	2♊23	15♈36	26♑49	26♊15	17♎24	16♎ 7	29♐21	7♒46	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 0	7n31	0s11	5s56	2s20	12n 4	0s24	7n39	2n44	22s27	0n36	18n27	1s36	4n59	0s37	20s39	0n15	19n47	3s42	6s56	6s58	18s42	12s29	6n18
S 2	7 23	11 26	1 28	5 37	2 25	12 31	0 22	7 42	2 42	22 27	0 36	18 28	1 36	5 0	0 37	20 39	0 15	19 47	3 42	6 56	6 56	18 42	12 28	6 18
S 3	7 45	14 43	2 41	5 15	2 30	12 58	0 19	7 45	2 39	22 27	0 36	18 30	1 35	5 2	0 36	20 39	0 15	19 47	3 42	6 56	6 55	18 42	12 27	6 19
M 4	8 7	17 6	3 45	4 52	2 34	13 25	0 17	7 47	2 36	22 27	0 36	18 31	1 35	5 3	0 36	20 39	0 15	19 47	3 42	6 55	6 54	18 42	12 26	6 19
T 5	8 29	18 23	4 33	4 27	2 38	13 52	0 14	7 49	2 33	22 27	0 36	18 33	1 35	5 4	0 36	20 39	0 15	19 47	3 42	6 55	6 53	18 41	12 25	6 20
W 6	8 51	18 27	5 5	4 1	2 41	14 18	0 12	7 51	2 31	22 27	0 36	18 35	1 35	5 6	0 36	20 39	0 15	19 47	3 42	6 55	6 51	18 41	12 24	6 20
T 7	9 13	17 21	5 17	3 33	2 43	14 44	0 10	7 52	2 28	22 27	0 36	18 36	1 35	5 7	0 36	20 39	0 15	19 47	3 41	6 55	6 50	18 41	12 23	6 20
F 8	9 34	15 12	5 10	3 4	2 45	15 9	0 7	7 53	2 25	22 27	0 35	18 38	1 35	5 8	0 36	20 39	0 15	19 48	3 41	6 55	6 49	18 41	12 22	6 21
S 9	9 56	12 12	4 44	2 33	2 46	15 34	0 4	7 54	2 22	22 27	0 35	18 40	1 35	5 10	0 36	20 39	0 15	19 48	3 41	6 55	6 48	18 41	12 21	6 21
S 10	10 17	8 34	4 3	2 1	2 47	15 59	0 2	7 54	2 20	22 26	0 35	18 41	1 34	5 11	0 36	20 38	0 15	19 48	3 41	6 55	6 47	18 41	12 21	6 22
M11	10 38	4 33	3 9	1 28	2 47	16 24	0n 1	7 54	2 17	22 26	0 35	18 43	1 34	5 12	0 36	20 38	0 15	19 48	3 41	6 56	6 45	18 41	12 20	6 22
T 12	10 59	0 22	2 6	0 53	2 46	16 47	0 3	7 54	2 14	22 26	0 35	18 44	1 34	5 14	0 36	20 38	0 15	19 48	3 41	6 56	6 44	18 40	12 19	6 22
W13	11 19	3s46	0 57	0 17	2 45	17 11	0 6	7 54	2 12	22 26	0 35	18 46	1 34	5 15	0 36	20 38	0 15	19 48	3 41	6 56	6 43	18 40	12 18	6 23
T 14	11 40	7 40	0n14	0n20	2 43	17 34	0 8	7 53	2 9	22 26	0 35	18 48	1 34	5 16	0 37	20 38	0 15	19 49	3 40	6 56	6 42	18 40	12 17	6 23
F 15	12 0	11 9	1 22	0 58	2 41	17 57	0 11	7 52	2 6	22 25	0 35	18 49	1 34	5 18	0 37	20 38	0 15	19 49	3 40	6 56	6 40	18 40	12 17	6 24
S 16	12 20	14 6	2 26	1 38	2 38	18 19	0 13	7 50	2 3	22 25	0 35	18 51	1 33	5 19	0 37	20 38	0 15	19 49	3 40	6 56	6 39	18 40	12 16	6 24
S 17	12 40	16 21	3 22	2 18	2 35	18 40	0 16	7 49	2 1	22 25	0 35	18 53	1 33	5 20	0 37	20 38	0 15	19 49	3 40	6 55	6 38	18 40	12 15	6 25
M18	13 0	17 51	4 8	3 0	2 31	19 2	0 19	7 47	1 58	22 25	0 35	18 54	1 33	5 21	0 37	20 38	0 15	19 49	3 40	6 54	6 37	18 39	12 14	6 25
T 19	13 20	18 33	4 43	3 43	2 26	19 22	0 21	7 44	1 55	22 24	0 35	18 56	1 33	5 23	0 37	20 38	0 15	19 49	3 40	6 53	6 36	18 39	12 14	6 25
W20	13 39	18 25	5 5	4 27	2 21	19 43	0 24	7 42	1 53	22 24	0 35	18 58	1 33	5 24	0 37	20 38	0 15	19 49	3 40	6 52	6 34	18 39	12 13	6 26
T 21	13 58	17 29	5 15	5 11	2 16	20 2	0 26	7 39	1 50	22 24	0 35	18 59	1 33	5 25	0 37	20 38	0 15	19 50	3 40	6 51	6 33	18 39	12 12	6 26
F 22	14 17	15 46	5 11	5 57	2 10	20 21	0 29	7 36	1 48	22 23	0 35	19 1	1 33	5 26	0 37	20 38	0 15	19 50	3 40	6 51	6 32	18 39	12 12	6 27
S 23	14 36	13 22	4 53	6 43	2 3	20 40	0 32	7 32	1 45	22 23	0 35	19 2	1 33	5 28	0 37	20 38	0 15	19 50	3 39	6 50	6 31	18 38	12 11	6 27
S 24	14 54	10 20	4 22	7 30	1 56	20 58	0 34	7 29	1 42	22 23	0 35	19 4	1 32	5 29	0 37	20 38	0 15	19 50	3 39	6 51	6 29	18 38	12 10	6 28
M25	15 12	6 46	3 37	8 18	1 49	21 15	0 37	7 25	1 40	22 22	0 35	19 6	1 32	5 30	0 37	20 38	0 15	19 50	3 39	6 51	6 28	18 38	12 10	6 28
T 26	15 30	2 47	2 41	9 6	1 41	21 32	0 39	7 21	1 37	22 22	0 35	19 7	1 32	5 31	0 37	20 38	0 15	19 50	3 39	6 52	6 27	18 38	12 9	6 28
W27	15 48	1n27	1 34	9 55	1 32	21 49	0 42	7 16	1 35	22 21	0 35	19 9	1 32	5 33	0 37	20 38	0 15	19 50	3 39	6 52	6 26	18 38	12 9	6 29
T 28	16 5	5 45	0 20	10 44	1 24	22 4	0 44	7 12	1 32	22 21	0 35	19 11	1 32	5 34	0 37	20 38	0 15	19 51	3 39	6 52	6 25	18 37	12 8	6 29
F 29	16 22	9 52	0s57	11 34	1 14	22 19	0 47	7 7	1 30	22 21	0 35	19 12	1 32	5 35	0 37	20 38	0 15	19 51	3 39	6 52	6 23	18 37	12 7	6 30
S 30	16n39	13n31	2s12	12n23	1s 5	22n34	0n49	7n 2	1n28	22s20	0n35	19n14	1s32	5n36	0s37	20s38	0n15	19n51	3s39	6s52	6s22	18s37	12s 7	6n30

Julian Day Number = 2151047.5, Delta T = 14m12s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'07, Lahiri = 12°23'07 Julian Calendar 1 Apr. 1177 == Greg. Calendar 8 Apr. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

MAY 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 59	16♉48'49	27♉ 7	7♉32	9♊21	15♍47	16°R56	2♊30	15♈39	26°R49	26♊17	17°R21	16♎ 4	29♐28	7♒47	S 1
M 2	15 5 55	17°46'30	12♊ 2	9°36	10°34	15°56	16♐51	2°38	15°42	26♑49	26°18	17♎17	16° 1	29°35	7°47	M 2
T 3	15 9 52	18°44'10	26°58	11°42	11°47	16° 5	16°45	2°46	15°45	26°48	26°19	17°13	15°58	29°41	7°47	T 3
W 4	15 13 48	19°41'48	11♋45	13°49	13° 0	16°15	16°39	2°54	15°48	26°48	26°20	17° 9	15°55	29°48	7°48	W 4
T 5	15 17 45	20°39'25	26°18	15°58	14°13	16°26	16°33	3° 1	15°51	26°48	26°22	17° 6	15°51	29°55	7°48	T 5
F 6	15 21 41	21°37'00	10♌33	18° 8	15°26	16°37	16°27	3° 9	15°54	26°47	26°23	17° 4	15°48	0♑ 1	7°R48	F 6
S 7	15 25 38	22°34'34	24°26	20°18	16°38	16°49	16°20	3°17	15°57	26°47	26°24	17°D 3	15°45	0° 8	7°48	S 7
S 8	15 29 34	23°32'06	7♍59	22°30	17°51	17° 2	16°14	3°25	16° 0	26°46	26°25	17° 4	15°42	0°15	7°48	S 8
M 9	15 33 31	24°29'37	21°12	24°41	19° 4	17°15	16° 7	3°32	16° 2	26°46	26°27	17° 5	15°39	0°22	7°47	M 9
T 10	15 37 28	25°27'06	4♎ 8	26°53	20°17	17°28	16° 1	3°40	16° 5	26°45	26°28	17° 7	15°36	0°28	7°47	T 10
W11	15 41 24	26°24'34	16°50	29° 5	21°29	17°42	15°54	3°48	16° 8	26°45	26°29	17°R 8	15°32	0°35	7°47	W11
T 12	15 45 21	27°22'01	29°19	1♊16	22°42	17°57	15°47	3°56	16°11	26°44	26°31	17° 7	15°29	0°42	7°47	T 12
F 13	15 49 17	28°19'26	11♏38	3°27	23°55	18°12	15°40	4° 4	16°14	26°43	26°32	17° 4	15°26	0°48	7°46	F 13
S 14	15 53 14	29°16'51	23°49	5°37	25° 7	18°28	15°33	4°11	16°16	26°43	26°33	17° 0	15°23	0°55	7°46	S 14
S 15	15 57 10	0♊14'15	5♐52	7°45	26°20	18°44	15°26	4°19	16°19	26°42	26°35	16°53	15°20	1° 2	7°45	S 15
M16	16 1 7	1°11'37	17°50	9°52	27°32	19° 1	15°19	4°27	16°22	26°41	26°36	16°46	15°17	1° 9	7°44	M16
T 17	16 5 3	2° 8'59	29°45	11°58	28°45	19°18	15°12	4°35	16°24	26°41	26°37	16°37	15°13	1°15	7°44	T 17
W18	16 9 0	3° 6'20	11♑37	14° 2	29°57	19°36	15° 5	4°43	16°27	26°40	26°39	16°29	15°10	1°22	7°43	W18
T 19	16 12 57	4° 3'41	23°30	16° 4	1♋10	19°54	14°57	4°51	16°30	26°39	26°40	16°22	15° 7	1°29	7°42	T 19
F 20	16 16 53	5° 1'01	5♒26	18° 4	2°22	20°12	14°50	4°58	16°32	26°38	26°41	16°16	15° 4	1°35	7°41	F 20
S 21	16 20 50	5°58'20	17°28	20° 1	3°34	20°32	14°42	5° 6	16°35	26°37	26°43	16°12	15° 1	1°42	7°40	S 21
S 22	16 24 46	6°55'38	29°42	21°57	4°47	20°51	14°35	5°14	16°37	26°36	26°44	16°10	14°57	1°49	7°39	S 22
M23	16 28 43	7°52'56	12♓12	23°50	5°59	21°11	14°27	5°22	16°40	26°35	26°46	16°D10	14°54	1°56	7°38	M23
T 24	16 32 39	8°50'14	25° 1	25°41	7°11	21°31	14°20	5°30	16°42	26°35	26°47	16°11	14°51	2° 2	7°37	T 24
W25	16 36 36	9°47'31	8♈14	27°29	8°24	21°52	14°12	5°38	16°44	26°34	26°49	16°11	14°48	2° 9	7°36	W25
T 26	16 40 32	10°44'48	21°55	29°15	9°36	22°13	14° 5	5°45	16°47	26°33	26°50	16°R12	14°45	2°16	7°35	T 26
F 27	16 44 29	11°42'05	6♉ 4	0♋59	10°48	22°35	13°57	5°53	16°49	26°32	26°51	16°10	14°42	2°23	7°33	F 27
S 28	16 48 26	12°39'21	20°39	2°40	12° 0	22°57	13°49	6° 1	16°51	26°31	26°53	16° 6	14°38	2°29	7°32	S 28
S 29	16 52 22	13°36'37	5♊36	4°18	13°12	23°19	13°42	6° 9	16°54	26°29	26°54	16° 0	14°35	2°36	7°31	S 29
M30	16 56 19	14°33'52	20°47	5°54	14°24	23°42	13°34	6°17	16°56	26°28	26°56	15°52	14°32	2°43	7°29	M30
T 31	17 0 15	15♊31'07	6♋ 1	7♋28	15♋36	24♍ 5	13♐26	6♊24	16♈58	26♑27	26♊57	15♎44	14♎29	2♑49	7♒28	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n56	16n21	3s20	13n13	0s55	22n48	0n51	6n56	1n25	22s20	0n35	19n15	1s32	5n37	0s37	20s38	0n15	19n51	3s38	6s51	6s21	18s37	12s 6	6n31
M 2	17 12	18 7	4 15	14 2	0 45	23 1	0 54	6 51	1 23	22 19	0 34	19 17	1 31	5 38	0 37	20 38	0 15	19 51	3 38	6 49	6 20	18 36	12 6	6 31
T 3	17 28	18 38	4 53	14 52	0 35	23 13	0 56	6 45	1 21	22 19	0 34	19 19	1 31	5 40	0 37	20 38	0 15	19 51	3 38	6 47	6 18	18 36	12 5	6 32
W 4	17 44	17 52	5 11	15 40	0 24	23 25	0 58	6 39	1 18	22 18	0 34	19 20	1 31	5 41	0 37	20 38	0 15	19 51	3 38	6 46	6 17	18 36	12 5	6 32
T 5	18 0	15 56	5 8	16 28	0 14	23 37	1 1	6 33	1 16	22 18	0 34	19 22	1 31	5 42	0 37	20 39	0 15	19 52	3 38	6 45	6 16	18 36	12 4	6 32
F 6	18 15	13 4	4 46	17 15	0 3	23 47	1 3	6 26	1 14	22 17	0 34	19 23	1 31	5 43	0 37	20 39	0 15	19 52	3 38	6 44	6 15	18 35	12 4	6 33
S 7	18 30	9 32	4 8	18 1	0n 7	23 57	1 5	6 19	1 12	22 16	0 34	19 25	1 31	5 44	0 37	20 39	0 15	19 52	3 38	6 44	6 14	18 35	12 4	6 33
S 8	18 44	5 34	3 17	18 46	0 18	24 6	1 7	6 12	1 9	22 16	0 34	19 26	1 31	5 45	0 37	20 39	0 15	19 52	3 38	6 44	6 12	18 35	12 3	6 34
M 9	18 59	1 25	2 16	19 29	0 28	24 15	1 10	6 5	1 7	22 15	0 34	19 28	1 31	5 46	0 37	20 39	0 15	19 52	3 38	6 45	6 11	18 35	12 3	6 34
T 10	19 12	2s43	1 10	20 10	0 38	24 23	1 12	5 58	1 5	22 15	0 34	19 30	1 31	5 47	0 37	20 39	0 15	19 52	3 38	6 45	6 10	18 34	12 2	6 35
W11	19 26	6 40	0 2	20 49	0 48	24 30	1 14	5 51	1 3	22 14	0 34	19 31	1 31	5 49	0 37	20 39	0 15	19 52	3 37	6 45	6 9	18 34	12 2	6 35
T 12	19 39	10 15	1n 6	21 27	0 58	24 36	1 16	5 43	1 1	22 13	0 34	19 33	1 31	5 50	0 37	20 39	0 15	19 53	3 37	6 45	6 7	18 34	12 2	6 35
F 13	19 52	13 21	2 9	22 1	1 7	24 42	1 18	5 35	0 59	22 13	0 34	19 34	1 30	5 51	0 37	20 39	0 15	19 53	3 37	6 44	6 6	18 34	12 1	6 36
S 14	20 5	15 49	3 5	22 34	1 15	24 47	1 20	5 27	0 57	22 12	0 33	19 36	1 30	5 52	0 37	20 40	0 15	19 53	3 37	6 42	6 5	18 33	12 1	6 36
S 15	20 17	17 33	3 53	23 4	1 23	24 51	1 22	5 19	0 55	22 11	0 33	19 37	1 30	5 53	0 37	20 40	0 15	19 53	3 37	6 40	6 4	18 33	12 1	6 37
M16	20 29	18 31	4 30	23 31	1 30	24 55	1 24	5 10	0 53	22 11	0 33	19 39	1 30	5 54	0 37	20 40	0 15	19 53	3 37	6 37	6 2	18 33	12 1	6 37
T 17	20 41	18 38	4 54	23 55	1 37	24 58	1 25	5 2	0 51	22 10	0 33	19 40	1 30	5 55	0 37	20 40	0 15	19 53	3 37	6 34	6 1	18 33	12 0	6 38
W18	20 52	17 57	5 6	24 17	1 43	25 0	1 27	4 53	0 49	22 9	0 33	19 42	1 30	5 56	0 37	20 40	0 15	19 53	3 37	6 30	6 0	18 32	12 0	6 38
T 19	21 3	16 29	5 5	24 36	1 48	25 1	1 29	4 44	0 47	22 9	0 33	19 43	1 30	5 57	0 37	20 40	0 15	19 53	3 37	6 28	5 59	18 32	12 0	6 38
F 20	21 14	14 18	4 51	24 53	1 53	25 2	1 30	4 35	0 45	22 8	0 33	19 45	1 30	5 58	0 37	20 40	0 15	19 54	3 37	6 25	5 58	18 32	12 0	6 39
S 21	21 24	11 29	4 23	25 6	1 57	25 2	1 32	4 26	0 43	22 7	0 33	19 46	1 30	5 59	0 37	20 41	0 15	19 54	3 37	6 24	5 56	18 31	12 0	6 39
S 22	21 34	8 8	3 43	25 17	2 0	25 1	1 33	4 16	0 41	22 6	0 33	19 48	1 30	6 0	0 37	20 41	0 15	19 54	3 36	6 23	5 55	18 31	12 0	6 40
M23	21 43	4 22	2 52	25 26	2 2	24 59	1 35	4 7	0 39	22 6	0 32	19 49	1 30	6 0	0 37	20 41	0 15	19 54	3 36	6 23	5 54	18 31	11 59	6 40
T 24	21 52	0 17	1 51	25 32	2 4	24 57	1 36	3 57	0 38	22 5	0 32	19 51	1 30	6 1	0 37	20 41	0 15	19 54	3 36	6 23	5 53	18 31	11 59	6 40
W25	22 1	3n56	0 43	25 36	2 5	24 54	1 38	3 47	0 36	22 4	0 32	19 52	1 30	6 2	0 37	20 41	0 15	19 54	3 36	6 24	5 51	18 30	11 59	6 41
T 26	22 9	8 6	0s31	25 37	2 5	24 50	1 39	3 37	0 34	22 3	0 32	19 53	1 30	6 3	0 37	20 42	0 15	19 54	3 36	6 24	5 50	18 30	11 59	6 41
F 27	22 17	11 57	1 44	25 36	2 4	24 46	1 40	3 27	0 32	22 3	0 32	19 55	1 29	6 4	0 37	20 42	0 15	19 54	3 36	6 23	5 49	18 30	11 59	6 42
S 28	22 25	15 12	2 54	25 34	2 3	24 41	1 41	3 17	0 31	22 2	0 32	19 56	1 29	6 5	0 37	20 42	0 15	19 54	3 36	6 22	5 48	18 29	11 59	6 42
S 29	22 32	17 31	3 53	25 29	2 1	24 35	1 42	3 6	0 29	22 1	0 32	19 58	1 29	6 6	0 37	20 42	0 15	19 55	3 36	6 19	5 46	18 29	11 59	6 42
M30	22 39	18 38	4 36	25 22	1 58	24 28	1 43	2 56	0 27	22 0	0 32	19 59	1 29	6 7	0 37	20 42	0 15	19 55	3 36	6 16	5 45	18 29	11 59	6 43
T 31	22n45	18n25	5s 0	25n14	1n55	24n21	1n44	2n45	0n25	21s59	0n31	20n 0	1s29	6n 7	0s37	20s43	0n15	19n55	3s36	6s13	5s44	18s28	11s59	6n43

Julian Day Number = 2151077.5, Delta T = 14m11s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'11, Lahiri = 12°23'12 Julian Calendar 1 May 1177 == Greg. Calendar 8 May 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

JUNE 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 4 12	16♊28'21	21♋ 8	8♋59	16♋48	24♍28	13°R19	6♊32	17♈ 0	26°R26	26♊59	15°R35	14♎26	2♑56	7°R26	W 1
T 2	17 8 8	17°25'35	5♌58	10°28	18° 0	24°52	13♐11	6°40	17° 2	26♑25	27° 0	15♎28	14°23	3° 3	7♒24	T 2
F 3	17 12 5	18°22'48	20°25	11°54	19°12	25°17	13° 3	6°48	17° 4	26°24	27° 2	15°23	14°19	3°10	7°23	F 3
S 4	17 16 1	19°20'00	4♍25	13°17	20°24	25°41	12°56	6°56	17° 6	26°23	27° 3	15°20	14°16	3°16	7°21	S 4
S 5	17 19 58	20°17'12	17°58	14°38	21°35	26° 6	12°48	7° 3	17° 8	26°21	27° 5	15°D19	14°13	3°23	7°19	S 5
M 6	17 23 55	21°14'23	1♎ 7	15°56	22°47	26°31	12°41	7°11	17°10	26°20	27° 6	15°19	14°10	3°30	7°17	M 6
T 7	17 27 51	22°11'34	13°55	17°11	23°59	26°57	12°33	7°19	17°12	26°19	27° 8	15°R20	14° 7	3°36	7°15	T 7
W 8	17 31 48	23° 8'44	26°25	18°23	25°10	27°23	12°26	7°26	17°14	26°18	27° 9	15°19	14° 3	3°43	7°13	W 8
T 9	17 35 44	24° 5'53	8♏43	19°33	26°22	27°49	12°18	7°34	17°16	26°16	27°11	15°17	14° 0	3°50	7°11	T 9
F 10	17 39 41	25° 3'03	20°50	20°40	27°33	28°15	12°11	7°42	17°17	26°15	27°12	15°12	13°57	3°57	7° 9	F 10
S 11	17 43 37	26° 0'12	2♐51	21°43	28°45	28°42	12° 4	7°49	17°19	26°14	27°14	15° 4	13°54	4° 3	7° 7	S 11
S 12	17 47 34	26°57'21	14°48	22°44	29°56	29° 9	11°56	7°57	17°21	26°12	27°15	14°54	13°51	4°10	7° 5	S 12
M13	17 51 30	27°54'30	26°41	23°41	1♑ 8	29°37	11°49	8° 4	17°22	26°11	27°17	14°42	13°48	4°17	7° 2	M13
T 14	17 55 27	28°51'38	8♑34	24°36	2°19	0♎ 4	11°42	8°12	17°24	26°10	27°18	14°29	13°44	4°24	7° 0	T 14
W15	17 59 24	29°48'47	20°27	25°27	3°30	0°32	11°35	8°19	17°26	26° 8	27°20	14°16	13°41	4°30	6°58	W15
T 16	18 3 20	0♋45'56	2♒22	26°14	4°41	1° 0	11°28	8°27	17°27	26° 7	27°21	14° 5	13°38	4°37	6°55	T 16
F 17	18 7 17	1°43'05	14°21	26°58	5°52	1°29	11°22	8°34	17°29	26° 5	27°23	13°55	13°35	4°44	6°53	F 17
S 18	18 11 13	2°40'14	26°26	27°37	7° 4	1°58	11°15	8°42	17°30	26° 4	27°24	13°48	13°32	4°50	6°50	S 18
S 19	18 15 10	3°37'24	8♓41	28°14	8°15	2°27	11° 8	8°49	17°31	26° 2	27°26	13°43	13°29	4°57	6°48	S 19
M20	18 19 6	4°34'34	21°10	28°46	9°26	2°56	11° 2	8°56	17°33	26° 1	27°27	13°41	13°25	5° 4	6°45	M20
T 21	18 23 3	5°31'45	3♈56	29°14	10°36	3°25	10°55	9° 4	17°34	25°59	27°28	13°D40	13°22	5°11	6°43	T 21
W22	18 26 59	6°28'56	17° 4	29°37	11°47	3°55	10°49	9°11	17°35	25°58	27°30	13°R40	13°19	5°17	6°40	W22
T 23	18 30 56	7°26'07	0♉38	29°56	12°58	4°25	10°43	9°18	17°36	25°56	27°31	13°40	13°16	5°24	6°37	T 23
F 24	18 34 53	8°23'19	14°40	0♌11	14° 9	4°55	10°37	9°26	17°37	25°55	27°33	13°37	13°13	5°31	6°35	F 24
S 25	18 38 49	9°20'32	29° 9	0°21	15°20	5°26	10°31	9°33	17°39	25°53	27°34	13°33	13° 9	5°37	6°32	S 25
S 26	18 42 46	10°17'46	14♊ 3	0°26	16°30	5°57	10°25	9°40	17°40	25°52	27°36	13°25	13° 6	5°44	6°29	S 26
M27	18 46 42	11°15'00	29°14	0°R27	17°41	6°28	10°20	9°47	17°41	25°50	27°37	13°16	13° 3	5°51	6°26	M27
T 28	18 50 39	12°12'15	14♋33	0°22	18°51	6°59	10°14	9°54	17°42	25°49	27°39	13° 5	13° 0	5°58	6°23	T 28
W29	18 54 35	13° 9'29	29°48	0°13	20° 2	7°30	10° 9	10° 1	17°42	25°47	27°40	12°54	12°57	6° 4	6°20	W29
T 30	18 58 32	14♋ 6'45	14♌48	29♋59	21♌12	8♎ 2	10♐ 3	10♊ 8	17♈43	25♑46	27♊42	12♎45	12♎54	6♑11	6♒17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n51	16n53	5s 3	25n 4	1n50	24n13	1n45	2n34	0n24	21s59	0n31	20n 2	1s29	6n 8	0s37	20s43	0n15	19n55	3s36	6s10	5s43	18s28	11s59	6n43
T 2	22 57	14 15	4 45	24 53	1 46	24 5	1 46	2 23	0 22	21 58	0 31	20 3	1 29	6 9	0 37	20 43	0 15	19 55	3 36	6 7	5 41	18 28	11 59	6 44
F 3	23 2	10 48	4 10	24 40	1 40	23 55	1 47	2 12	0 21	21 57	0 31	20 4	1 29	6 10	0 37	20 43	0 15	19 55	3 36	6 5	5 40	18 27	11 59	6 44
S 4	23 7	6 50	3 20	24 26	1 34	23 45	1 47	2 1	0 19	21 56	0 31	20 6	1 29	6 10	0 37	20 43	0 15	19 55	3 36	6 4	5 39	18 27	11 59	6 44
S 5	23 11	2 37	2 20	24 11	1 27	23 35	1 48	1 49	0 17	21 55	0 31	20 7	1 29	6 11	0 37	20 44	0 15	19 55	3 35	6 3	5 38	18 27	12 0	6 45
M 6	23 15	1s36	1 15	23 55	1 20	23 23	1 48	1 38	0 16	21 55	0 31	20 8	1 29	6 12	0 37	20 44	0 15	19 55	3 35	6 4	5 37	18 27	12 0	6 45
T 7	23 19	5 38	0 8	23 38	1 12	23 11	1 49	1 26	0 14	21 54	0 30	20 10	1 29	6 13	0 37	20 44	0 15	19 55	3 35	6 4	5 35	18 26	12 0	6 45
W 8	23 22	9 20	0n59	23 20	1 4	22 59	1 49	1 15	0 13	21 53	0 30	20 11	1 29	6 13	0 37	20 44	0 15	19 56	3 35	6 3	5 34	18 26	12 0	6 46
T 9	23 25	12 33	2 1	23 1	0 55	22 45	1 49	1 3	0 11	21 52	0 30	20 12	1 29	6 14	0 37	20 45	0 15	19 56	3 35	6 3	5 33	18 25	12 0	6 46
F 10	23 27	15 12	2 57	22 42	0 45	22 32	1 49	0 51	0 10	21 51	0 30	20 14	1 29	6 15	0 37	20 45	0 15	19 56	3 35	6 1	5 32	18 25	12 0	6 46
S 11	23 29	17 9	3 44	22 22	0 35	22 17	1 49	0 39	0 9	21 51	0 30	20 15	1 29	6 15	0 37	20 45	0 15	19 56	3 35	5 58	5 30	18 25	12 1	6 47
S 12	23 30	18 21	4 21	22 1	0 24	22 2	1 49	0 27	0 7	21 50	0 30	20 16	1 29	6 16	0 37	20 45	0 15	19 56	3 35	5 54	5 29	18 24	12 1	6 47
M13	23 32	18 44	4 46	21 40	0 13	21 46	1 49	0 15	0 6	21 49	0 29	20 17	1 29	6 16	0 37	20 46	0 15	19 56	3 35	5 49	5 28	18 24	12 1	6 47
T 14	23 32	18 17	4 59	21 19	0 2	21 30	1 49	0 2	0 4	21 48	0 29	20 18	1 29	6 17	0 37	20 46	0 15	19 56	3 35	5 44	5 27	18 24	12 1	6 48
W15	23 33	17 3	4 59	20 58	0s10	21 13	1 49	0s10	0 3	21 47	0 29	20 20	1 29	6 18	0 37	20 46	0 15	19 56	3 35	5 39	5 25	18 23	12 2	6 48
T 16	23 32	15 5	4 46	20 37	0 23	20 56	1 49	0 23	0 2	21 47	0 29	20 21	1 29	6 18	0 37	20 47	0 15	19 56	3 35	5 34	5 24	18 23	12 2	6 48
F 17	23 32	12 27	4 20	20 16	0 36	20 38	1 48	0 35	0 0	21 46	0 29	20 22	1 29	6 19	0 37	20 47	0 15	19 56	3 35	5 31	5 23	18 23	12 2	6 48
S 18	23 31	9 16	3 42	19 55	0 49	20 19	1 48	0 48	0s 1	21 45	0 29	20 23	1 29	6 19	0 38	20 47	0 15	19 56	3 35	5 28	5 22	18 22	12 3	6 49
S 19	23 30	5 40	2 54	19 35	1 3	20 0	1 47	1 1	0 2	21 44	0 28	20 24	1 29	6 20	0 38	20 47	0 15	19 56	3 35	5 26	5 20	18 22	12 3	6 49
M20	23 28	1 44	1 56	19 15	1 17	19 41	1 46	1 14	0 4	21 44	0 28	20 25	1 29	6 20	0 38	20 48	0 15	19 57	3 35	5 25	5 19	18 22	12 3	6 49
T 21	23 26	2n21	0 51	18 55	1 31	19 21	1 45	1 27	0 5	21 43	0 28	20 27	1 29	6 21	0 38	20 48	0 15	19 57	3 35	5 25	5 18	18 21	12 4	6 50
W22	23 23	6 27	0s18	18 36	1 46	19 0	1 45	1 40	0 6	21 42	0 28	20 28	1 29	6 21	0 38	20 48	0 15	19 57	3 35	5 25	5 17	18 21	12 4	6 50
T 23	23 20	10 22	1 28	18 18	2 0	18 39	1 44	1 53	0 8	21 42	0 28	20 29	1 29	6 22	0 38	20 49	0 15	19 57	3 35	5 25	5 15	18 20	12 5	6 50
F 24	23 17	13 49	2 36	18 0	2 15	18 17	1 43	2 6	0 9	21 41	0 28	20 30	1 29	6 22	0 38	20 49	0 15	19 57	3 34	5 24	5 14	18 20	12 5	6 50
S 25	23 13	16 33	3 36	17 44	2 30	17 55	1 41	2 19	0 10	21 40	0 27	20 31	1 29	6 22	0 38	20 49	0 15	19 57	3 34	5 22	5 13	18 20	12 6	6 50
S 26	23 9	18 15	4 22	17 28	2 44	17 33	1 40	2 33	0 11	21 39	0 27	20 32	1 29	6 23	0 38	20 49	0 15	19 57	3 34	5 19	5 12	18 19	12 6	6 51
M27	23 4	18 41	4 52	17 14	2 58	17 10	1 39	2 46	0 13	21 39	0 27	20 33	1 29	6 23	0 38	20 50	0 15	19 57	3 34	5 15	5 11	18 19	12 7	6 51
T 28	22 59	17 46	5 0	17 1	3 13	16 47	1 37	3 0	0 14	21 38	0 27	20 34	1 29	6 23	0 38	20 50	0 15	19 57	3 34	5 11	5 9	18 18	12 7	6 51
W29	22 53	15 36	4 48	16 50	3 26	16 23	1 36	3 13	0 15	21 38	0 27	20 35	1 29	6 24	0 38	20 50	0 15	19 57	3 34	5 7	5 8	18 18	12 8	6 51
T 30	22n48	12n24	4s15	16n40	3s40	15n59	1n34	3s27	0s16	21s37	0n27	20n36	1s29	6n24	0s38	20s51	0n15	19n57	3s34	5s 3	5s 7	18s18	12s 8	6n51

Julian Day Number = 2151108.5, Delta T = 14m11s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'15, Lahiri = 12°23'16 Julian Calendar 1 June 1177 == Greg. Calendar 8 June 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

JULY 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 2 28	15♋ 4'00	29♌25	29°R40	22♌22	8♎34	9°R58	10♊15	17♈44	25°R44	27♊43	12°R38	12♎50	6♑18	6°R15	F 1
S 2	19 6 25	16° 1'16	13♍33	29♋17	23°33	9° 6	9♐53	10°22	17°45	25♑42	27°45	12♎34	12°47	6°25	6♒12	S 2
S 3	19 10 22	16°58'33	27°13	28°50	24°43	9°38	9°49	10°29	17°46	25°41	27°46	12°32	12°44	6°31	6° 9	S 3
M 4	19 14 18	17°55'49	10♎25	28°18	25°53	10°11	9°44	10°36	17°46	25°39	27°47	12°31	12°41	6°38	6° 5	M 4
T 5	19 18 15	18°53'06	23°12	27°43	27° 3	10°43	9°39	10°42	17°47	25°38	27°49	12°31	12°38	6°45	6° 2	T 5
W 6	19 22 11	19°50'23	5♏40	27° 5	28°13	11°16	9°35	10°49	17°47	25°36	27°50	12°30	12°35	6°51	5°59	W 6
T 7	19 26 8	20°47'41	17°53	26°25	29°23	11°50	9°31	10°56	17°48	25°34	27°52	12°28	12°31	6°58	5°56	T 7
F 8	19 30 4	21°45'00	29°55	25°42	0♍33	12°23	9°27	11° 2	17°48	25°33	27°53	12°23	12°28	7° 5	5°53	F 8
S 9	19 34 1	22°42'18	11♐51	24°59	1°42	12°56	9°23	11° 9	17°49	25°31	27°54	12°15	12°25	7°12	5°50	S 9
S 10	19 37 57	23°39'38	23°44	24°14	2°52	13°30	9°19	11°15	17°49	25°29	27°56	12° 5	12°22	7°18	5°47	S 10
M11	19 41 54	24°36'58	5♑36	23°31	4° 1	14° 4	9°16	11°22	17°50	25°28	27°57	11°53	12°19	7°25	5°44	M11
T 12	19 45 51	25°34'19	17°29	22°48	5°11	14°38	9°13	11°28	17°50	25°26	27°58	11°40	12°15	7°32	5°40	T 12
W13	19 49 47	26°31'41	29°26	22° 8	6°20	15°12	9° 9	11°35	17°50	25°25	28° 0	11°27	12°12	7°39	5°37	W13
T 14	19 53 44	27°29'04	11♒26	21°30	7°29	15°47	9° 6	11°41	17°50	25°23	28° 1	11°15	12° 9	7°45	5°34	T 14
F 15	19 57 40	28°26'28	23°33	20°56	8°39	16°21	9° 4	11°47	17°50	25°21	28° 3	11° 5	12° 6	7°52	5°31	F 15
S 16	20 1 37	29°23'53	5♓46	20°25	9°48	16°56	9° 1	11°53	17°50	25°20	28° 4	10°57	12° 3	7°59	5°28	S 16
S 17	20 5 33	0♌21'19	18° 9	20° 0	10°57	17°31	8°58	11°59	17°R50	25°18	28° 5	10°53	12° 0	8° 5	5°24	S 17
M18	20 9 30	1°18'46	0♈44	19°40	12° 5	18° 6	8°56	12° 6	17°50	25°16	28° 6	10°51	11°56	8°12	5°21	M18
T 19	20 13 26	2°16'15	13°33	19°26	13°14	18°41	8°54	12°12	17°50	25°15	28° 8	10°D50	11°53	8°19	5°18	T 19
W20	20 17 23	3°13'45	26°41	19°18	14°23	19°17	8°52	12°17	17°50	25°13	28° 9	10°R51	11°50	8°26	5°15	W20
T 21	20 21 20	4°11'16	10♉10	19°D16	15°31	19°52	8°50	12°23	17°50	25°12	28°10	10°51	11°47	8°32	5°11	T 21
F 22	20 25 16	5° 8'49	24° 3	19°22	16°40	20°28	8°49	12°29	17°50	25°10	28°11	10°49	11°44	8°39	5° 8	F 22
S 23	20 29 13	6° 6'23	8♊21	19°34	17°48	21° 4	8°48	12°35	17°50	25° 8	28°13	10°46	11°40	8°46	5° 5	S 23
S 24	20 33 9	7° 3'59	23° 1	19°53	18°57	21°40	8°46	12°41	17°49	25° 7	28°14	10°40	11°37	8°52	5° 2	S 24
M25	20 37 6	8° 1'37	7♋58	20°19	20° 5	22°16	8°45	12°46	17°49	25° 5	28°15	10°32	11°34	8°59	4°58	M25
T 26	20 41 2	8°59'16	23° 5	20°53	21°13	22°53	8°45	12°52	17°48	25° 4	28°16	10°23	11°31	9° 6	4°55	T 26
W27	20 44 59	9°56'56	8♌12	21°33	22°21	23°30	8°44	12°57	17°48	25° 2	28°17	10°14	11°28	9°13	4°52	W27
T 28	20 48 55	10°54'37	23° 9	22°20	23°29	24° 6	8°44	13° 3	17°47	25° 1	28°19	10° 6	11°25	9°19	4°49	T 28
F 29	20 52 52	11°52'20	7♍46	23°14	24°36	24°43	8°43	13° 8	17°47	24°59	28°20	10° 0	11°21	9°26	4°45	F 29
S 30	20 56 49	12°50'04	21°58	24°15	25°44	25°20	8°D43	13°13	17°46	24°57	28°21	9°57	11°18	9°33	4°42	S 30
S 31	21 0 45	13♌47'49	5♎42	25♋22	26♍51	25♎57	8♐43	13♊18	17♈46	24♑56	28♊22	9°D55	11♎15	9♑40	4♒39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n41	8n30	3s27	16n31	3s52	15n34	1n33	3s40	0s17	21s36	0n26	20n37	1s29	6n24	0s38	20s51	0n15	19n57	3s34	5s 1	5s 6	18s17	12s 9	6n52
S 2	22 35	4 14	2 27	16 25	4 4	15 9	1 31	3 54	0 18	21 36	0 26	20 38	1 29	6 25	0 38	20 51	0 15	19 57	3 34	4 59	5 4	18 17	12 9	6 52
S 3	22 28	0s 7	1 20	16 20	4 15	14 44	1 29	4 8	0 19	21 35	0 26	20 39	1 29	6 25	0 38	20 52	0 15	19 57	3 34	4 58	5 3	18 16	12 10	6 52
M 4	22 20	4 19	0 11	16 16	4 24	14 19	1 27	4 22	0 21	21 35	0 26	20 40	1 29	6 25	0 38	20 52	0 15	19 57	3 34	4 58	5 2	18 16	12 10	6 52
T 5	22 12	8 11	0n56	16 15	4 33	13 53	1 25	4 36	0 22	21 34	0 26	20 41	1 29	6 25	0 38	20 52	0 15	19 57	3 34	4 58	5 1	18 16	12 11	6 52
W 6	22 4	11 36	1 59	16 15	4 40	13 26	1 23	4 50	0 23	21 34	0 25	20 42	1 29	6 26	0 38	20 52	0 15	19 57	3 34	4 58	4 59	18 15	12 12	6 52
T 7	21 56	14 26	2 55	16 17	4 46	13 0	1 20	5 4	0 24	21 34	0 25	20 43	1 29	6 26	0 38	20 53	0 15	19 58	3 34	4 57	4 58	18 15	12 12	6 52
F 8	21 47	16 36	3 43	16 21	4 50	12 33	1 18	5 18	0 25	21 33	0 25	20 44	1 29	6 26	0 38	20 53	0 15	19 58	3 34	4 55	4 57	18 14	12 13	6 52
S 9	21 37	18 1	4 20	16 26	4 52	12 6	1 16	5 32	0 26	21 33	0 25	20 44	1 29	6 26	0 38	20 53	0 15	19 58	3 34	4 52	4 56	18 14	12 13	6 53
S 10	21 28	18 38	4 45	16 33	4 53	11 38	1 13	5 46	0 27	21 32	0 25	20 45	1 29	6 26	0 38	20 54	0 15	19 58	3 34	4 48	4 54	18 13	12 14	6 53
M11	21 18	18 27	4 59	16 41	4 52	11 10	1 11	6 0	0 28	21 32	0 24	20 46	1 29	6 26	0 38	20 54	0 15	19 58	3 34	4 43	4 53	18 13	12 15	6 53
T 12	21 7	17 27	4 59	16 51	4 49	10 42	1 8	6 14	0 29	21 32	0 24	20 47	1 29	6 26	0 38	20 54	0 15	19 58	3 34	4 38	4 52	18 12	12 15	6 53
W13	20 56	15 42	4 46	17 2	4 44	10 14	1 5	6 28	0 30	21 31	0 24	20 48	1 29	6 26	0 38	20 55	0 15	19 58	3 34	4 33	4 51	18 12	12 16	6 53
T 14	20 45	13 15	4 20	17 14	4 38	9 46	1 2	6 43	0 31	21 31	0 24	20 49	1 29	6 26	0 38	20 55	0 15	19 58	3 34	4 28	4 49	18 12	12 17	6 53
F 15	20 34	10 13	3 43	17 27	4 30	9 17	0 59	6 57	0 32	21 31	0 24	20 49	1 29	6 26	0 38	20 55	0 15	19 58	3 34	4 24	4 48	18 11	12 18	6 53
S 16	20 22	6 44	2 55	17 41	4 21	8 48	0 56	7 11	0 33	21 31	0 23	20 50	1 29	6 26	0 38	20 56	0 15	19 58	3 34	4 21	4 47	18 11	12 18	6 53
S 17	20 10	2 54	1 57	17 56	4 10	8 19	0 53	7 26	0 34	21 30	0 23	20 51	1 29	6 26	0 38	20 56	0 15	19 58	3 34	4 19	4 46	18 10	12 19	6 53
M18	19 57	1n 7	0 54	18 11	3 58	7 50	0 50	7 40	0 35	21 30	0 23	20 52	1 29	6 26	0 38	20 56	0 15	19 58	3 34	4 19	4 44	18 10	12 20	6 53
T 19	19 44	5 9	0s14	18 26	3 44	7 20	0 47	7 54	0 36	21 30	0 23	20 53	1 29	6 26	0 38	20 57	0 14	19 58	3 34	4 18	4 43	18 9	12 21	6 53
W20	19 31	9 2	1 23	18 41	3 30	6 50	0 43	8 9	0 37	21 30	0 23	20 53	1 29	6 26	0 38	20 57	0 14	19 58	3 34	4 19	4 42	18 9	12 21	6 53
T 21	19 18	12 34	2 29	18 56	3 15	6 21	0 40	8 23	0 38	21 30	0 23	20 54	1 29	6 26	0 38	20 57	0 14	19 58	3 34	4 19	4 41	18 8	12 22	6 53
F 22	19 4	15 30	3 29	19 11	3 0	5 51	0 36	8 37	0 38	21 30	0 22	20 55	1 30	6 26	0 38	20 57	0 14	19 58	3 34	4 18	4 39	18 8	12 23	6 53
S 23	18 50	17 34	4 17	19 25	2 43	5 21	0 33	8 52	0 39	21 30	0 22	20 55	1 30	6 26	0 38	20 58	0 14	19 58	3 34	4 17	4 38	18 7	12 24	6 53
S 24	18 35	18 32	4 50	19 38	2 27	4 50	0 29	9 6	0 40	21 30	0 22	20 56	1 30	6 26	0 38	20 58	0 14	19 58	3 34	4 14	4 37	18 7	12 24	6 53
M25	18 20	18 15	5 3	19 51	2 10	4 20	0 25	9 21	0 41	21 30	0 22	20 57	1 30	6 26	0 38	20 58	0 14	19 58	3 34	4 11	4 36	18 7	12 25	6 53
T 26	18 5	16 41	4 56	20 3	1 54	3 50	0 22	9 35	0 42	21 30	0 22	20 57	1 30	6 25	0 39	20 59	0 14	19 58	3 34	4 8	4 34	18 6	12 26	6 53
W27	17 50	13 58	4 29	20 13	1 37	3 19	0 18	9 49	0 43	21 30	0 21	20 58	1 30	6 25	0 39	20 59	0 14	19 58	3 34	4 4	4 33	18 6	12 27	6 53
T 28	17 34	10 21	3 43	20 22	1 20	2 49	0 14	10 4	0 44	21 30	0 21	20 59	1 30	6 25	0 39	20 59	0 14	19 58	3 34	4 1	4 32	18 5	12 28	6 53
F 29	17 18	6 10	2 43	20 29	1 4	2 18	0 10	10 18	0 44	21 30	0 21	20 59	1 30	6 25	0 39	21 0	0 14	19 58	3 34	3 59	4 31	18 5	12 28	6 53
S 30	17 2	1 45	1 35	20 34	0 48	1 47	0 5	10 33	0 45	21 31	0 21	21 0	1 30	6 25	0 39	21 0	0 14	19 58	3 34	3 57	4 29	18 4	12 29	6 53
S 31	16n45	2s37	0s23	20n37	0s33	1n17	0n 1	10s47	0s46	21s31	0n21	21n 0	1s30	6n24	0s39	21s 0	0n14	19n58	3s34	3s57	4s28	18s 4	12s30	6n53

Julian Day Number = 2151138.5, Delta T = 14m11s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'20, Lahiri = 12°23'20 Julian Calendar 1 July 1177 == Greg. Calendar 8 July 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

AUGUST 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 4 42	14♌45'35	18♎59	26♋35	27♍59	26♎35	8♐44	13♊23	17°R45	24°R54	28♊23	9♎55	11♎12	9♑46	4°R36	M 1
T 2	21 8 38	15°43'23	1♏50	27°54	29° 6	27°12	8°44	13°28	17♈44	24♑53	28°24	9°56	11° 9	9°53	4♒33	T 2
W 3	21 12 35	16°41'11	14°20	29°18	0♎13	27°50	8°45	13°33	17°43	24°51	28°25	9°R57	11° 6	10° 0	4°29	W 3
T 4	21 16 31	17°39'01	26°34	0♌47	1°20	28°28	8°46	13°38	17°43	24°50	28°26	9°57	11° 2	10° 6	4°26	T 4
F 5	21 20 28	18°36'52	8♐36	2°21	2°26	29° 6	8°47	13°43	17°42	24°49	28°27	9°54	10°59	10°13	4°23	F 5
S 6	21 24 24	19°34'45	20°31	3°59	3°33	29°44	8°48	13°48	17°41	24°47	28°28	9°50	10°56	10°20	4°20	S 6
S 7	21 28 21	20°32'39	2♑23	5°41	4°39	0♏22	8°50	13°52	17°40	24°46	28°29	9°44	10°53	10°27	4°17	S 7
M 8	21 32 18	21°30'34	14°16	7°26	5°46	1° 0	8°51	13°57	17°39	24°44	28°30	9°36	10°50	10°33	4°14	M 8
T 9	21 36 14	22°28'30	26°12	9°14	6°52	1°39	8°53	14° 1	17°38	24°43	28°31	9°27	10°46	10°40	4°11	T 9
W10	21 40 11	23°26'29	8♒15	11° 5	7°58	2°17	8°55	14° 6	17°37	24°41	28°32	9°19	10°43	10°47	4° 8	W10
T 11	21 44 7	24°24'28	20°24	12°58	9° 4	2°56	8°57	14°10	17°35	24°40	28°33	9°11	10°40	10°54	4° 5	T 11
F 12	21 48 4	25°22'30	2♓42	14°52	10° 9	3°35	9° 0	14°14	17°34	24°39	28°34	9° 4	10°37	11° 0	4° 2	F 12
S 13	21 52 0	26°20'33	15° 9	16°47	11°15	4°14	9° 2	14°18	17°33	24°37	28°35	9° 0	10°34	11° 7	3°59	S 13
S 14	21 55 57	27°18'37	27°47	18°43	12°20	4°53	9° 5	14°22	17°32	24°36	28°36	8°57	10°31	11°14	3°56	S 14
M15	21 59 53	28°16'44	10♈37	20°40	13°25	5°32	9° 8	14°26	17°30	24°35	28°37	8°D57	10°27	11°20	3°53	M15
T 16	22 3 50	29°14'53	23°39	22°37	14°30	6°11	9°11	14°30	17°29	24°34	28°38	8°57	10°24	11°27	3°50	T 16
W17	22 7 47	0♍13'03	6♉56	24°33	15°34	6°51	9°14	14°34	17°28	24°32	28°38	8°59	10°21	11°34	3°48	W17
T 18	22 11 43	1°11'16	20°29	26°30	16°39	7°30	9°18	14°37	17°26	24°31	28°39	9° 0	10°18	11°41	3°45	T 18
F 19	22 15 40	2° 9'31	4♊19	28°26	17°43	8°10	9°21	14°41	17°25	24°30	28°40	9°R 0	10°15	11°47	3°42	F 19
S 20	22 19 36	3° 7'48	18°26	0♍22	18°47	8°50	9°25	14°44	17°23	24°29	28°41	8°59	10°12	11°54	3°39	S 20
S 21	22 23 33	4° 6'07	2♋50	2°17	19°51	9°30	9°29	14°48	17°22	24°27	28°42	8°57	10° 8	12° 1	3°37	S 21
M22	22 27 29	5° 4'28	17°26	4°11	20°54	10°10	9°33	14°51	17°20	24°26	28°42	8°53	10° 5	12° 7	3°34	M22
T 23	22 31 26	6° 2'52	2♌11	6° 4	21°58	10°50	9°37	14°54	17°18	24°25	28°43	8°49	10° 2	12°14	3°32	T 23
W24	22 35 22	7° 1'17	16°55	7°57	23° 1	11°30	9°42	14°57	17°17	24°24	28°44	8°44	9°59	12°21	3°29	W24
T 25	22 39 19	7°59'45	1♍33	9°48	24° 4	12°11	9°47	15° 0	17°15	24°23	28°44	8°40	9°56	12°28	3°27	T 25
F 26	22 43 16	8°58'14	15°57	11°38	25° 6	12°51	9°51	15° 3	17°13	24°22	28°45	8°37	9°52	12°34	3°24	F 26
S 27	22 47 12	9°56'45	0♎ 2	13°28	26° 9	13°32	9°56	15° 6	17°11	24°21	28°46	8°35	9°49	12°41	3°22	S 27
S 28	22 51 9	10°55'18	13°43	15°16	27°11	14°13	10° 1	15° 8	17°10	24°20	28°46	8°D35	9°46	12°48	3°20	S 28
M29	22 55 5	11°53'53	27° 1	17° 3	28°12	14°54	10° 7	15°11	17° 8	24°19	28°47	8°36	9°43	12°55	3°17	M29
T 30	22 59 2	12°52'29	9♏55	18°49	29°14	15°34	10°12	15°13	17° 6	24°18	28°47	8°37	9°40	13° 1	3°15	T 30
W31	23 2 58	13♍51'08	22♏28	20♍35	0♏15	16♏16	10♐18	15♊16	17♈ 4	24♑17	28♊48	8♎39	9♎37	13♑ 8	3♒13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n29	6s43	0n48	20n38	0s18	0n46	0s 3	11s 1	0s47	21s31	0n20	21n 1	1s30	6n24	0s39	21s 0	0n14	19n58	3s34	3s57	4s27	18s 3	12s31	6n52
T 2	16 12	10 22	1 55	20 37	0 4	0 15	0 7	11 16	0 48	21 31	0 20	21 1	1 30	6 24	0 39	21 1	0 14	19 58	3 34	3 57	4 26	18 3	12 32	6 52
W 3	15 54	13 26	2 54	20 33	0n10	0s16	0 12	11 30	0 48	21 32	0 20	21 2	1 30	6 23	0 39	21 1	0 14	19 58	3 34	3 57	4 24	18 2	12 33	6 52
T 4	15 37	15 51	3 44	20 26	0 23	0 47	0 16	11 44	0 49	21 32	0 20	21 3	1 30	6 23	0 39	21 1	0 14	19 58	3 34	3 57	4 23	18 2	12 34	6 52
F 5	15 19	17 30	4 23	20 17	0 35	1 17	0 21	11 59	0 50	21 32	0 20	21 3	1 30	6 23	0 39	21 2	0 14	19 58	3 34	3 56	4 22	18 1	12 34	6 52
S 6	15 1	18 23	4 50	20 5	0 46	1 48	0 25	12 13	0 51	21 33	0 20	21 4	1 30	6 22	0 39	21 2	0 14	19 58	3 34	3 55	4 21	18 1	12 35	6 52
S 7	14 42	18 27	5 4	19 50	0 56	2 19	0 30	12 27	0 51	21 33	0 19	21 4	1 31	6 22	0 39	21 2	0 14	19 58	3 34	3 52	4 19	18 0	12 36	6 52
M 8	14 24	17 42	5 6	19 32	1 5	2 50	0 35	12 41	0 52	21 33	0 19	21 4	1 31	6 21	0 39	21 2	0 14	19 58	3 34	3 49	4 18	18 0	12 37	6 52
T 9	14 5	16 11	4 54	19 12	1 13	3 20	0 39	12 55	0 53	21 34	0 19	21 5	1 31	6 21	0 39	21 3	0 14	19 58	3 34	3 46	4 17	17 59	12 38	6 51
W10	13 46	13 57	4 29	18 49	1 21	3 51	0 44	13 9	0 54	21 34	0 19	21 5	1 31	6 21	0 39	21 3	0 14	19 58	3 34	3 42	4 16	17 58	12 39	6 51
T 11	13 27	11 5	3 52	18 23	1 27	4 21	0 49	13 23	0 54	21 35	0 19	21 6	1 31	6 20	0 39	21 3	0 14	19 58	3 34	3 39	4 14	17 58	12 40	6 51
F 12	13 7	7 42	3 3	17 55	1 33	4 52	0 54	13 37	0 55	21 35	0 18	21 6	1 31	6 20	0 39	21 3	0 14	19 58	3 34	3 37	4 13	17 57	12 40	6 51
S 13	12 47	3 57	2 5	17 25	1 37	5 22	0 59	13 51	0 56	21 36	0 18	21 7	1 31	6 19	0 39	21 4	0 14	19 58	3 34	3 35	4 12	17 57	12 41	6 51
S 14	12 28	0n 2	1 0	16 53	1 41	5 52	1 4	14 5	0 56	21 37	0 18	21 7	1 31	6 19	0 39	21 4	0 14	19 58	3 34	3 34	4 11	17 56	12 42	6 50
M15	12 7	4 5	0s 9	16 18	1 44	6 22	1 9	14 19	0 57	21 37	0 18	21 7	1 31	6 18	0 39	21 4	0 14	19 58	3 34	3 34	4 9	17 56	12 43	6 50
T 16	11 47	8 0	1 19	15 42	1 46	6 52	1 14	14 33	0 58	21 38	0 18	21 8	1 31	6 18	0 39	21 4	0 14	19 58	3 34	3 34	4 8	17 55	12 44	6 50
W17	11 27	11 35	2 26	15 4	1 47	7 22	1 19	14 47	0 58	21 39	0 18	21 8	1 31	6 17	0 39	21 5	0 14	19 58	3 34	3 34	4 7	17 55	12 45	6 50
T 18	11 6	14 37	3 27	14 25	1 47	7 52	1 24	15 0	0 59	21 39	0 17	21 8	1 31	6 16	0 39	21 5	0 14	19 58	3 34	3 35	4 6	17 54	12 46	6 49
F 19	10 45	16 54	4 16	13 45	1 47	8 21	1 29	15 14	1 0	21 40	0 17	21 9	1 31	6 16	0 39	21 5	0 14	19 58	3 34	3 35	4 4	17 54	12 46	6 49
S 20	10 24	18 11	4 52	13 3	1 46	8 51	1 35	15 27	1 0	21 41	0 17	21 9	1 32	6 15	0 39	21 5	0 14	19 58	3 34	3 35	4 3	17 53	12 47	6 49
S 21	10 3	18 21	5 10	12 20	1 45	9 20	1 40	15 41	1 1	21 41	0 17	21 9	1 32	6 15	0 39	21 6	0 14	19 58	3 34	3 34	4 2	17 53	12 48	6 49
M22	9 41	17 18	5 8	11 37	1 43	9 49	1 45	15 54	1 1	21 42	0 17	21 10	1 32	6 14	0 39	21 6	0 14	19 58	3 34	3 32	4 1	17 52	12 49	6 48
T 23	9 20	15 7	4 46	10 53	1 40	10 18	1 50	16 7	1 2	21 43	0 17	21 10	1 32	6 13	0 39	21 6	0 14	19 58	3 34	3 30	3 59	17 51	12 50	6 48
W24	8 58	11 56	4 5	10 8	1 37	10 46	1 56	16 20	1 3	21 44	0 16	21 10	1 32	6 13	0 39	21 6	0 14	19 58	3 34	3 29	3 58	17 51	12 51	6 48
T 25	8 36	8 2	3 9	9 23	1 34	11 15	2 1	16 33	1 3	21 45	0 16	21 10	1 32	6 12	0 39	21 6	0 14	19 58	3 34	3 27	3 57	17 50	12 51	6 48
F 26	8 14	3 42	2 1	8 37	1 30	11 43	2 6	16 46	1 4	21 46	0 16	21 11	1 32	6 11	0 39	21 7	0 14	19 58	3 34	3 26	3 56	17 50	12 52	6 47
S 27	7 52	0s44	0 47	7 51	1 26	12 11	2 12	16 59	1 4	21 47	0 16	21 11	1 32	6 11	0 39	21 7	0 14	19 58	3 34	3 25	3 54	17 49	12 53	6 47
S 28	7 30	5 0	0n28	7 5	1 21	12 39	2 17	17 12	1 5	21 47	0 16	21 11	1 32	6 10	0 39	21 7	0 14	19 58	3 34	3 25	3 53	17 49	12 54	6 47
M29	7 8	8 54	1 39	6 18	1 16	13 6	2 22	17 25	1 5	21 48	0 16	21 11	1 32	6 9	0 39	21 7	0 14	19 58	3 34	3 25	3 52	17 48	12 55	6 46
T 30	6 45	12 16	2 44	5 32	1 11	13 33	2 28	17 37	1 6	21 49	0 15	21 11	1 32	6 8	0 39	21 7	0 14	19 58	3 34	3 26	3 51	17 47	12 56	6 46
W31	6n23	14s57	3n38	4n45	1n 6	14s 0	2s33	17s50	1s 6	21s50	0n15	21n12	1s33	6n 8	0s39	21s 8	0n14	19n58	3s34	3s27	3s49	17s47	12s56	6n46

Julian Day Number = 2151169.5, Delta T = 14m11s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'24, Lahiri = 12°23'24 Julian Calendar 1 Aug. 1177 == Greg. Calendar 8 Aug. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

SEPTEMBER 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 55	14♍49'48	4♐45	22♍19	1♏16	16♏57	10♐24	15♊18	17°R 2	24°R16	28♊48	8♎40	9♎33	13♑15	3°R11	T 1
F 2	23 10 51	15°48'29	16°49	24° 2	2°17	17°38	10°30	15°20	17♈ 0	24♑15	28°49	8°R41	9°30	13°21	3♒ 9	F 2
S 3	23 14 48	16°47'13	28°45	25°44	3°17	18°20	10°36	15°22	16°58	24°14	28°49	8°40	9°27	13°28	3° 7	S 3
S 4	23 18 44	17°45'58	10♑38	27°25	4°17	19° 1	10°42	15°24	16°56	24°14	28°50	8°38	9°24	13°35	3° 5	S 4
M 5	23 22 41	18°44'46	22°32	29° 5	5°16	19°43	10°48	15°26	16°54	24°13	28°50	8°36	9°21	13°42	3° 3	M 5
T 6	23 26 38	19°43'34	4♒31	0♎44	6°15	20°24	10°55	15°28	16°52	24°12	28°51	8°33	9°17	13°48	3° 1	T 6
W 7	23 30 34	20°42'25	16°38	2°23	7°14	21° 6	11° 2	15°29	16°50	24°11	28°51	8°30	9°14	13°55	2°59	W 7
T 8	23 34 31	21°41'18	28°56	4° 0	8°13	21°48	11° 9	15°31	16°48	24°11	28°51	8°28	9°11	14° 2	2°57	T 8
F 9	23 38 27	22°40'12	11♓27	5°36	9°11	22°30	11°16	15°32	16°45	24°10	28°52	8°26	9° 8	14° 8	2°56	F 9
S 10	23 42 24	23°39'09	24°11	7°12	10° 8	23°12	11°23	15°34	16°43	24° 9	28°52	8°24	9° 5	14°15	2°54	S 10
S 11	23 46 20	24°38'07	7♈ 9	8°47	11° 5	23°54	11°30	15°35	16°41	24° 9	28°52	8°D24	9° 2	14°22	2°52	S 11
M12	23 50 17	25°37'08	20°21	10°20	12° 2	24°37	11°37	15°36	16°39	24° 8	28°52	8°24	8°58	14°29	2°51	M12
T 13	23 54 13	26°36'11	3♉46	11°53	12°58	25°19	11°45	15°37	16°37	24° 8	28°53	8°25	8°55	14°35	2°49	T 13
W14	23 58 10	27°35'16	17°23	13°26	13°53	26° 2	11°53	15°38	16°34	24° 7	28°53	8°26	8°52	14°42	2°48	W14
T 15	0 2 7	28°34'24	1♊11	14°57	14°49	26°44	12° 1	15°38	16°32	24° 7	28°53	8°27	8°49	14°49	2°47	T 15
F 16	0 6 3	29°33'34	15° 9	16°27	15°43	27°27	12° 8	15°39	16°30	24° 6	28°53	8°27	8°46	14°56	2°45	F 16
S 17	0 10 0	0♎32'46	29°15	17°57	16°37	28°10	12°17	15°40	16°27	24° 6	28°53	8°R28	8°43	15° 2	2°44	S 17
S 18	0 13 56	1°32'01	13♋29	19°26	17°31	28°52	12°25	15°40	16°25	24° 5	28°53	8°28	8°39	15° 9	2°43	S 18
M19	0 17 53	2°31'18	27°46	20°54	18°24	29°35	12°33	15°40	16°23	24° 5	28°54	8°27	8°36	15°16	2°42	M19
T 20	0 21 49	3°30'37	12♌ 6	22°21	19°16	0♐18	12°42	15°40	16°20	24° 5	28°54	8°27	8°33	15°22	2°41	T 20
W21	0 25 46	4°29'59	26°22	23°47	20° 8	1° 2	12°50	15°R41	16°18	24° 4	28°54	8°26	8°30	15°29	2°40	W21
T 22	0 29 42	5°29'23	10♍32	25°12	20°59	1°45	12°59	15°40	16°16	24° 4	28°R54	8°26	8°27	15°36	2°39	T 22
F 23	0 33 39	6°28'49	24°32	26°37	21°49	2°28	13° 8	15°40	16°13	24° 4	28°54	8°26	8°23	15°43	2°38	F 23
S 24	0 37 36	7°28'18	8♎17	28° 0	22°39	3°11	13°17	15°40	16°11	24° 4	28°54	8°D26	8°20	15°49	2°37	S 24
S 25	0 41 32	8°27'48	21°46	29°23	23°28	3°55	13°26	15°40	16° 8	24° 4	28°54	8°R26	8°17	15°56	2°37	S 25
M26	0 45 29	9°27'21	4♏55	0♏45	24°16	4°38	13°35	15°39	16° 6	24° 3	28°54	8°26	8°14	16° 3	2°36	M26
T 27	0 49 25	10°26'55	17°46	2° 5	25° 3	5°22	13°45	15°39	16° 3	24° 3	28°53	8°25	8°11	16° 9	2°35	T 27
W28	0 53 22	11°26'31	0♐19	3°25	25°49	6° 6	13°54	15°38	16° 1	24° 3	28°53	8°25	8° 8	16°16	2°35	W28
T 29	0 57 18	12°26'10	12°37	4°43	26°35	6°50	14° 4	15°37	15°59	24°D 3	28°53	8°25	8° 4	16°23	2°35	T 29
F 30	1 1 15	13♎25'50	24♐42	6♏ 0	27♏20	7♐34	14♐14	15♊36	15♈56	24♑ 3	28♊53	8♎24	8♎ 1	16♑30	2♒34	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	6n 0	16s54	4n21	3n59	1n 0	14s27	2s39	18s 2	1s 7	21s51	0n15	21n12	1s33	6n 7	0s39	21s 8	0n14	19n58	3s34	3s27	3s48	17s46	12s57	6n45	T 1
F 2	5 37	18 2	4 52	3 12	0 54	14 53	2 44	18 15	1 7	21 52	0 15	21 12	1 33	6 6	0 39	21 8	0 14	19 58	3 34	3 27	3 47	17 46	12 58	6 45	F 2
S 3	5 14	18 22	5 10	2 26	0 48	15 19	2 49	18 27	1 8	21 53	0 15	21 12	1 33	6 5	0 39	21 8	0 14	19 58	3 34	3 27	3 46	17 45	12 59	6 45	S 3
S 4	4 51	17 53	5 15	1 40	0 42	15 44	2 55	18 39	1 8	21 54	0 15	21 12	1 33	6 5	0 39	21 8	0 14	19 58	3 34	3 26	3 44	17 44	13 0	6 44	S 4
M 5	4 28	16 38	5 6	0 54	0 35	16 10	3 0	18 51	1 9	21 55	0 14	21 12	1 33	6 4	0 39	21 8	0 14	19 58	3 35	3 25	3 43	17 44	13 0	6 44	M 5
T 6	4 5	14 38	4 43	0 8	0 28	16 35	3 5	19 2	1 9	21 57	0 14	21 12	1 33	6 3	0 39	21 9	0 14	19 58	3 35	3 24	3 42	17 43	13 1	6 44	T 6
W 7	3 42	11 58	4 8	0s37	0 22	16 59	3 11	19 14	1 10	21 58	0 14	21 12	1 33	6 2	0 39	21 9	0 14	19 58	3 35	3 23	3 41	17 43	13 2	6 43	W 7
T 8	3 19	8 45	3 21	1 22	0 15	17 24	3 16	19 25	1 10	21 59	0 14	21 12	1 33	6 1	0 39	21 9	0 14	19 58	3 35	3 22	3 39	17 42	13 3	6 43	T 8
F 9	2 55	5 5	2 23	2 7	0 8	17 47	3 21	19 37	1 11	22 0	0 14	21 12	1 33	6 0	0 39	21 9	0 14	19 58	3 35	3 21	3 38	17 41	13 3	6 42	F 9
S 10	2 32	1 8	1 18	2 51	0 1	18 11	3 26	19 48	1 11	22 1	0 14	21 13	1 33	6 0	0 39	21 9	0 14	19 58	3 35	3 21	3 37	17 41	13 4	6 42	S 10
S 11	2 8	2n57	0 7	3 36	0s 6	18 34	3 32	19 59	1 11	22 2	0 14	21 13	1 34	5 59	0 39	21 9	0 14	19 58	3 35	3 21	3 36	17 40	13 5	6 42	S 11
M12	1 45	6 58	1s 6	4 19	0 13	18 57	3 37	20 10	1 12	22 3	0 13	21 13	1 34	5 58	0 39	21 9	0 14	19 58	3 35	3 21	3 34	17 40	13 6	6 41	M12
T 13	1 21	10 42	2 16	5 2	0 21	19 19	3 42	20 21	1 12	22 5	0 13	21 13	1 34	5 57	0 39	21 9	0 14	19 58	3 35	3 21	3 33	17 39	13 6	6 41	T 13
W14	0 58	13 54	3 19	5 45	0 28	19 41	3 47	20 31	1 13	22 6	0 13	21 13	1 34	5 56	0 39	21 10	0 14	19 58	3 35	3 21	3 32	17 38	13 7	6 40	W14
T 15	0 34	16 22	4 12	6 27	0 35	20 2	3 52	20 42	1 13	22 7	0 13	21 13	1 34	5 55	0 39	21 10	0 14	19 58	3 35	3 22	3 31	17 38	13 8	6 40	T 15
F 16	0 11	17 53	4 51	7 9	0 42	20 23	3 57	20 52	1 13	22 8	0 13	21 13	1 34	5 54	0 39	21 10	0 14	19 57	3 35	3 22	3 29	17 37	13 8	6 40	F 16
S 17	0s13	18 20	5 13	7 50	0 50	20 44	4 2	21 2	1 14	22 9	0 13	21 13	1 34	5 54	0 39	21 10	0 14	19 57	3 35	3 22	3 28	17 37	13 9	6 39	S 17
S 18	0 37	17 37	5 16	8 31	0 57	21 4	4 7	21 12	1 14	22 11	0 12	21 12	1 34	5 53	0 39	21 10	0 13	19 57	3 35	3 22	3 27	17 36	13 10	6 39	S 18
M19	1 0	15 48	4 59	9 10	1 4	21 24	4 11	21 22	1 14	22 12	0 12	21 12	1 34	5 52	0 39	21 10	0 13	19 57	3 35	3 22	3 26	17 35	13 10	6 38	M19
T 20	1 24	13 1	4 24	9 50	1 11	21 43	4 16	21 31	1 15	22 13	0 12	21 12	1 34	5 51	0 39	21 10	0 13	19 57	3 35	3 22	3 24	17 35	13 11	6 38	T 20
W21	1 48	9 27	3 33	10 29	1 18	22 2	4 21	21 41	1 15	22 14	0 12	21 12	1 34	5 50	0 39	21 10	0 13	19 57	3 35	3 22	3 23	17 34	13 12	6 38	W21
T 22	2 11	5 21	2 29	11 7	1 25	22 20	4 25	21 50	1 15	22 15	0 12	21 12	1 35	5 49	0 39	21 10	0 13	19 57	3 35	3 21	3 22	17 33	13 12	6 37	T 22
F 23	2 35	1 1	1 16	11 44	1 32	22 38	4 29	21 59	1 16	22 17	0 12	21 12	1 35	5 48	0 39	21 10	0 13	19 57	3 35	3 21	3 21	17 33	13 13	6 37	F 23
S 24	2 59	3s19	0 1	12 20	1 38	22 55	4 34	22 8	1 16	22 18	0 12	21 12	1 35	5 47	0 39	21 10	0 13	19 57	3 35	3 21	3 19	17 32	13 13	6 36	S 24
S 25	3 22	7 23	1n13	12 56	1 45	23 12	4 38	22 16	1 16	22 19	0 12	21 12	1 35	5 46	0 39	21 10	0 13	19 57	3 35	3 21	3 18	17 31	13 14	6 36	S 25
M26	3 46	11 0	2 22	13 31	1 51	23 28	4 42	22 25	1 17	22 21	0 11	21 12	1 35	5 45	0 39	21 10	0 13	19 57	3 35	3 21	3 17	17 31	13 15	6 35	M26
T 27	4 9	13 59	3 21	14 5	1 58	23 44	4 46	22 33	1 17	22 22	0 11	21 12	1 35	5 44	0 39	21 10	0 13	19 57	3 35	3 21	3 15	17 30	13 15	6 35	T 27
W28	4 33	16 14	4 10	14 39	2 4	23 59	4 50	22 41	1 17	22 23	0 11	21 11	1 35	5 43	0 39	21 10	0 13	19 57	3 35	3 21	3 14	17 29	13 16	6 34	W28
T 29	4 56	17 41	4 46	15 11	2 10	24 14	4 53	22 49	1 17	22 24	0 11	21 11	1 35	5 42	0 39	21 10	0 13	19 57	3 35	3 21	3 13	17 29	13 16	6 34	T 29
F 30	5s19	18s18	5n 8	15s42	2s15	24s28	4s57	22s57	1s18	22s26	0n11	21n11	1s35	5n41	0s39	21s11	0n13	19n57	3s35	3s21	3s12	17s28	13s17	6n34	F 30

Julian Day Number = 2151200.5, Delta T = 14m11s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'28, Lahiri = 12°23'28 Julian Calendar 1 Sept. 1177 == Greg. Calendar 8 Sept. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

OCTOBER 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 11	14♎25'31	6♉39	7♏16	28♏ 4	8♐18	14♐23	15°R35	15°R54	24♉ 3	28°R53	8°R24	7♎58	16♉36	2°R34	S 1
S 2	1 9 8	15°25'15	18°32	8°30	28°46	9° 2	14°33	15♊34	15♈51	24° 3	28♊53	8°D24	7°55	16°43	2♒34	S 2
M 3	1 13 4	16°25'00	0♒25	9°42	29°28	9°46	14°43	15°33	15°49	24° 4	28°52	8♎24	7°52	16°50	2°34	M 3
T 4	1 17 1	17°24'48	12°25	10°53	0♐ 9	10°30	14°54	15°31	15°46	24° 4	28°52	8°25	7°49	16°57	2°33	T 4
W 5	1 20 58	18°24'36	24°34	12° 2	0°48	11°14	15° 4	15°30	15°44	24° 4	28°52	8°26	7°45	17° 3	2°D33	W 5
T 6	1 24 54	19°24'27	6♓57	13° 9	1°27	11°58	15°14	15°28	15°41	24° 4	28°52	8°27	7°42	17°10	2°33	T 6
F 7	1 28 51	20°24'19	19°37	14°14	2° 4	12°43	15°25	15°27	15°39	24° 4	28°51	8°28	7°39	17°17	2°34	F 7
S 8	1 32 47	21°24'13	2♈35	15°16	2°40	13°27	15°35	15°25	15°37	24° 5	28°51	8°R28	7°36	17°23	2°34	S 8
S 9	1 36 44	22°24'09	15°53	16°15	3°14	14°12	15°46	15°23	15°34	24° 5	28°50	8°28	7°33	17°30	2°34	S 9
M10	1 40 40	23°24'07	29°29	17°12	3°47	14°57	15°57	15°21	15°32	24° 5	28°50	8°27	7°29	17°37	2°34	M10
T 11	1 44 37	24°24'07	13♉21	18° 4	4°19	15°41	16° 8	15°19	15°29	24° 6	28°50	8°26	7°26	17°44	2°35	T 11
W12	1 48 33	25°24'09	27°27	18°53	4°49	16°26	16°18	15°16	15°27	24° 6	28°49	8°24	7°23	17°50	2°35	W12
T 13	1 52 30	26°24'14	11♊41	19°38	5°18	17°11	16°30	15°14	15°24	24° 6	28°49	8°21	7°20	17°57	2°36	T 13
F 14	1 56 27	27°24'20	25°59	20°18	5°45	17°56	16°41	15°12	15°22	24° 7	28°48	8°19	7°17	18° 4	2°36	F 14
S 15	2 0 23	28°24'28	10♋17	20°53	6°10	18°41	16°52	15° 9	15°20	24° 7	28°48	8°17	7°14	18°10	2°37	S 15
S 16	2 4 20	29°24'39	24°32	21°22	6°34	19°26	17° 3	15° 7	15°17	24° 8	28°47	8°D16	7°10	18°17	2°38	S 16
M17	2 8 16	0♏24'52	8♌41	21°44	6°56	20°11	17°15	15° 4	15°15	24° 9	28°47	8°16	7° 7	18°24	2°39	M17
T 18	2 12 13	1°25'06	22°43	21°59	7°16	20°56	17°26	15° 1	15°13	24° 9	28°46	8°17	7° 4	18°31	2°39	T 18
W19	2 16 9	2°25'23	6♍35	22°R 7	7°34	21°41	17°38	14°58	15°10	24°10	28°46	8°19	7° 1	18°37	2°40	W19
T 20	2 20 6	3°25'42	20°17	22° 6	7°51	22°26	17°49	14°55	15° 8	24°10	28°45	8°20	6°58	18°44	2°41	T 20
F 21	2 24 2	4°26'03	3♎49	21°56	8° 5	23°12	18° 1	14°52	15° 6	24°11	28°44	8°R21	6°54	18°51	2°42	F 21
S 22	2 27 59	5°26'26	17° 9	21°36	8°17	23°57	18°13	14°49	15° 3	24°12	28°44	8°21	6°51	18°58	2°44	S 22
S 23	2 31 56	6°26'50	0♏16	21° 6	8°27	24°43	18°25	14°46	15° 1	24°13	28°43	8°19	6°48	19° 4	2°45	S 23
M24	2 35 52	7°27'17	13°10	20°26	8°35	25°28	18°37	14°42	14°59	24°14	28°42	8°16	6°45	19°11	2°46	M24
T 25	2 39 49	8°27'45	25°50	19°36	8°40	26°14	18°49	14°39	14°57	24°14	28°42	8°12	6°42	19°18	2°47	T 25
W26	2 43 45	9°28'14	8♐17	18°37	8°44	26°59	19° 1	14°35	14°55	24°15	28°41	8° 6	6°39	19°24	2°49	W26
T 27	2 47 42	10°28'46	20°32	17°30	8°R45	27°45	19°13	14°32	14°52	24°16	28°40	8° 0	6°35	19°31	2°50	T 27
F 28	2 51 38	11°29'18	2♑35	16°16	8°43	28°31	19°25	14°28	14°50	24°17	28°39	7°55	6°32	19°38	2°52	F 28
S 29	2 55 35	12°29'52	14°31	14°57	8°39	29°17	19°38	14°24	14°48	24°18	28°39	7°50	6°29	19°45	2°53	S 29
S 30	2 59 31	13°30'28	26°23	13°36	8°33	0♑ 2	19°50	14°20	14°46	24°19	28°38	7°47	6°26	19°51	2°55	S 30
M31	3 3 28	14♏31'04	8♒15	12♏16	8♐24	0♑48	20♐ 2	14♊16	14♈44	24♉20	28♊37	7♎45	6♎23	19♉58	2♒57	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s43	18s 6	5n17	16s13	2s21	24s41	5s 0	23s 4	1s18	22s27	0n11	21n11	1s35	5n40	0s39	21s11	0n13	19n57	3s35	3s21	3s10	17s27	13s17	6n33
S 2	6 6	17 6	5 12	16 42	2 26	24 54	5 4	23 11	1 18	22 28	0 11	21 11	1 35	5 40	0 39	21 11	0 13	19 57	3 35	3 21	3 9	17 27	13 18	6 33
M 3	6 29	15 22	4 54	17 10	2 31	25 7	5 7	23 18	1 18	22 29	0 10	21 10	1 35	5 39	0 39	21 11	0 13	19 57	3 35	3 21	3 8	17 26	13 18	6 32
T 4	6 52	12 57	4 23	17 37	2 35	25 19	5 10	23 25	1 18	22 31	0 10	21 10	1 35	5 38	0 39	21 11	0 13	19 57	3 35	3 21	3 7	17 25	13 19	6 32
W 5	7 15	9 56	3 40	18 3	2 40	25 30	5 12	23 31	1 19	22 32	0 10	21 10	1 36	5 37	0 39	21 11	0 13	19 57	3 35	3 21	3 5	17 25	13 19	6 31
T 6	7 38	6 26	2 46	18 27	2 44	25 41	5 15	23 38	1 19	22 33	0 10	21 10	1 36	5 36	0 39	21 10	0 13	19 57	3 35	3 22	3 4	17 24	13 20	6 31
F 7	8 0	2 34	1 43	18 50	2 47	25 51	5 17	23 44	1 19	22 35	0 10	21 10	1 36	5 35	0 39	21 10	0 13	19 57	3 35	3 22	3 3	17 23	13 20	6 30
S 8	8 23	1n32	0 33	19 12	2 50	26 0	5 20	23 49	1 19	22 36	0 10	21 9	1 36	5 34	0 39	21 10	0 13	19 57	3 35	3 22	3 2	17 23	13 20	6 30
S 9	8 45	5 39	0s41	19 31	2 53	26 9	5 21	23 55	1 19	22 37	0 10	21 9	1 36	5 33	0 39	21 10	0 13	19 57	3 35	3 22	3 0	17 22	13 21	6 29
M10	9 8	9 34	1 54	19 50	2 54	26 17	5 23	24 0	1 20	22 38	0 10	21 9	1 36	5 32	0 39	21 10	0 13	19 57	3 35	3 22	2 59	17 21	13 21	6 29
T 11	9 30	13 2	3 1	20 6	2 56	26 25	5 25	24 6	1 20	22 40	0 9	21 8	1 36	5 31	0 39	21 10	0 13	19 57	3 36	3 21	2 58	17 21	13 22	6 29
W12	9 52	15 48	3 58	20 20	2 56	26 31	5 26	24 10	1 20	22 41	0 9	21 8	1 36	5 30	0 39	21 10	0 13	19 57	3 36	3 21	2 57	17 20	13 22	6 28
T 13	10 14	17 38	4 42	20 33	2 56	26 38	5 27	24 15	1 20	22 42	0 9	21 8	1 36	5 29	0 39	21 10	0 13	19 57	3 36	3 20	2 55	17 19	13 22	6 28
F 14	10 36	18 21	5 8	20 43	2 55	26 43	5 27	24 19	1 20	22 43	0 9	21 7	1 36	5 28	0 39	21 10	0 13	19 57	3 36	3 19	2 54	17 18	13 23	6 27
S 15	10 57	17 55	5 15	20 50	2 53	26 48	5 27	24 23	1 20	22 45	0 9	21 7	1 36	5 27	0 39	21 10	0 13	19 57	3 36	3 18	2 53	17 18	13 23	6 27
S 16	11 19	16 21	5 3	20 55	2 50	26 52	5 27	24 27	1 20	22 46	0 9	21 7	1 36	5 27	0 39	21 10	0 13	19 57	3 36	3 18	2 52	17 17	13 23	6 26
M17	11 40	13 47	4 32	20 57	2 46	26 56	5 27	24 31	1 20	22 47	0 9	21 6	1 36	5 26	0 39	21 10	0 13	19 57	3 36	3 18	2 50	17 16	13 23	6 26
T 18	12 1	10 27	3 45	20 56	2 41	26 59	5 26	24 34	1 21	22 48	0 9	21 6	1 36	5 25	0 39	21 10	0 13	19 57	3 36	3 18	2 49	17 16	13 24	6 25
W19	12 22	6 34	2 46	20 52	2 34	27 1	5 25	24 37	1 21	22 49	0 8	21 6	1 36	5 24	0 39	21 10	0 13	19 57	3 36	3 19	2 48	17 15	13 24	6 25
T 20	12 43	2 22	1 38	20 43	2 26	27 2	5 24	24 40	1 21	22 51	0 8	21 5	1 36	5 23	0 39	21 10	0 13	19 57	3 36	3 19	2 46	17 14	13 24	6 24
F 21	13 3	1s54	0 25	20 32	2 17	27 2	5 22	24 43	1 21	22 52	0 8	21 5	1 36	5 22	0 39	21 10	0 13	19 57	3 36	3 20	2 45	17 13	13 24	6 24
S 22	13 24	6 1	0n48	20 16	2 5	27 2	5 19	24 45	1 21	22 53	0 8	21 5	1 37	5 21	0 39	21 9	0 13	19 57	3 36	3 20	2 44	17 13	13 24	6 24
S 23	13 44	9 47	1 57	19 55	1 53	27 1	5 16	24 47	1 21	22 54	0 8	21 4	1 37	5 20	0 39	21 9	0 13	19 57	3 36	3 19	2 43	17 12	13 25	6 23
M24	14 4	13 1	2 59	19 30	1 38	26 59	5 13	24 49	1 21	22 55	0 8	21 4	1 37	5 20	0 39	21 9	0 13	19 57	3 36	3 18	2 41	17 11	13 25	6 23
T 25	14 23	15 34	3 51	19 1	1 22	26 56	5 9	24 50	1 21	22 56	0 8	21 3	1 37	5 19	0 39	21 9	0 13	19 56	3 36	3 16	2 40	17 11	13 25	6 22
W26	14 43	17 20	4 31	18 28	1 4	26 52	5 5	24 51	1 21	22 58	0 8	21 3	1 37	5 18	0 39	21 9	0 13	19 56	3 36	3 14	2 39	17 10	13 25	6 22
T 27	15 2	18 16	4 57	17 51	0 45	26 48	5 0	24 52	1 21	22 59	0 8	21 3	1 37	5 17	0 39	21 9	0 13	19 56	3 36	3 11	2 38	17 9	13 25	6 21
F 28	15 21	18 21	5 10	17 11	0 25	26 42	4 55	24 53	1 21	23 0	0 7	21 2	1 37	5 16	0 39	21 9	0 13	19 56	3 36	3 9	2 36	17 8	13 25	6 21
S 29	15 39	17 37	5 9	16 28	0 5	26 36	4 49	24 53	1 21	23 1	0 7	21 2	1 37	5 16	0 39	21 8	0 13	19 56	3 36	3 7	2 35	17 8	13 25	6 20
S 30	15 58	16 8	4 55	15 44	0n16	26 28	4 43	24 54	1 21	23 2	0 7	21 1	1 37	5 15	0 39	21 8	0 13	19 56	3 36	3 6	2 34	17 7	13 25	6 20
M31	16s16	13s57	4n29	15s 0	0n36	26s20	4s36	24s53	1s21	23s 3	0n 7	21n 1	1s37	5n14	0s39	21s 8	0n13	19n56	3s36	3s 5	2s33	17s 6	13s25	6n20

Julian Day Number = 2151230.5, Delta T = 14m10s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'32, Lahiri = 12°23'33 Julian Calendar 1 Oct. 1177 == Greg. Calendar 8 Oct. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

NOVEMBER 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 7 25	15♏31'42	20♒11	10°R58	8°R12	1♑34	20♐15	14°R12	14°R42	24♑21	28°R36	7°D45	6♎20	20♑ 5	2♒59	T 1
W 2	3 11 21	16°32'21	2♓18	9♏46	7♐58	2°20	20°28	14♊ 8	14♈40	24°22	28♊35	7♎46	6°16	20°11	3° 0	W 2
T 3	3 15 18	17°33'01	14°40	8°42	7°42	3° 6	20°40	14° 4	14°38	24°23	28°34	7°48	6°13	20°18	3° 2	T 3
F 4	3 19 14	18°33'42	27°21	7°47	7°24	3°52	20°53	14° 0	14°36	24°25	28°33	7°49	6°10	20°25	3° 4	F 4
S 5	3 23 11	19°34'25	10♈24	7° 3	7° 3	4°38	21° 6	13°56	14°34	24°26	28°33	7°R49	6° 7	20°32	3° 6	S 5
S 6	3 27 7	20°35'08	23°53	6°30	6°39	5°25	21°18	13°52	14°32	24°27	28°32	7°48	6° 4	20°38	3° 8	S 6
M 7	3 31 4	21°35'53	7♉47	6° 9	6°14	6°11	21°31	13°47	14°31	24°28	28°31	7°45	6° 0	20°45	3°11	M 7
T 8	3 35 0	22°36'40	22° 3	6°D 0	5°47	6°57	21°44	13°43	14°29	24°30	28°30	7°40	5°57	20°52	3°13	T 8
W 9	3 38 57	23°37'27	6♊37	6° 2	5°18	7°43	21°57	13°38	14°27	24°31	28°29	7°33	5°54	20°58	3°15	W 9
T 10	3 42 54	24°38'16	21°21	6°13	4°47	8°30	22°10	13°34	14°25	24°32	28°28	7°25	5°51	21° 5	3°17	T 10
F 11	3 46 50	25°39'06	6♋ 8	6°35	4°15	9°16	22°23	13°29	14°24	24°34	28°27	7°18	5°48	21°12	3°20	F 11
S 12	3 50 47	26°39'58	20°49	7° 5	3°41	10° 2	22°36	13°25	14°22	24°35	28°26	7°11	5°45	21°19	3°22	S 12
S 13	3 54 43	27°40'51	5♌19	7°43	3° 6	10°49	22°50	13°20	14°20	24°36	28°25	7° 7	5°41	21°25	3°25	S 13
M14	3 58 40	28°41'45	19°33	8°28	2°31	11°35	23° 3	13°15	14°19	24°38	28°24	7° 5	5°38	21°32	3°27	M14
T 15	4 2 36	29°42'41	3♍30	9°18	1°55	12°22	23°16	13°10	14°17	24°39	28°23	7°D 4	5°35	21°39	3°30	T 15
W16	4 6 33	0♐43'38	17°10	10°14	1°19	13° 8	23°29	13° 6	14°16	24°41	28°22	7° 5	5°32	21°45	3°33	W16
T 17	4 10 29	1°44'37	0♎33	11°15	0°42	13°55	23°43	13° 1	14°14	24°42	28°21	7°R 6	5°29	21°52	3°36	T 17
F 18	4 14 26	2°45'37	13°43	12°20	0° 6	14°42	23°56	12°56	14°13	24°44	28°19	7° 6	5°26	21°59	3°38	F 18
S 19	4 18 23	3°46'37	26°39	13°29	29♏30	15°28	24°10	12°51	14°12	24°45	28°18	7° 4	5°22	22° 6	3°41	S 19
S 20	4 22 19	4°47'39	9♏25	14°40	28°55	16°15	24°23	12°46	14°10	24°47	28°17	6°59	5°19	22°12	3°44	S 20
M21	4 26 16	5°48'43	22° 0	15°54	28°21	17° 2	24°37	12°41	14° 9	24°49	28°16	6°52	5°16	22°19	3°47	M21
T 22	4 30 12	6°49'47	4♐25	17°11	27°48	17°48	24°50	12°36	14° 8	24°50	28°15	6°42	5°13	22°26	3°50	T 22
W23	4 34 9	7°50'52	16°41	18°29	27°16	18°35	25° 4	12°31	14° 7	24°52	28°14	6°31	5°10	22°33	3°53	W23
T 24	4 38 5	8°51'57	28°49	19°50	26°46	19°22	25°17	12°26	14° 6	24°54	28°13	6°18	5° 6	22°39	3°56	T 24
F 25	4 42 2	9°53'03	10♑48	21°11	26°17	20° 9	25°31	12°22	14° 4	24°55	28°12	6° 6	5° 3	22°46	3°59	F 25
S 26	4 45 58	10°54'10	22°42	22°34	25°51	20°56	25°45	12°17	14° 3	24°57	28°10	5°55	5° 0	22°53	4° 3	S 26
S 27	4 49 55	11°55'18	4♒32	23°58	25°26	21°42	25°58	12°12	14° 2	24°59	28° 9	5°46	4°57	22°59	4° 6	S 27
M28	4 53 52	12°56'25	16°22	25°23	25° 3	22°29	26°12	12° 7	14° 1	25° 1	28° 8	5°40	4°54	23° 6	4° 9	M28
T 29	4 57 48	13°57'34	28°16	26°49	24°43	23°16	26°26	12° 2	14° 1	25° 3	28° 7	5°36	4°51	23°13	4°13	T 29
W30	5 1 45	14♐58'42	10♓18	28♏16	24♏25	24♑ 3	26♐39	11♊57	14♈ 0	25♑ 4	28♊ 6	5°D35	4♎47	23♑20	4♒16	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s34	11s11	3n50	14s18	0n56	26s11	4s28	24s53	1s21	23s 4	0n 7	21n 0	1s37	5n13	0s39	21s 8	0n13	19n56	3s36	3s 5	2s31	17s 5	13s25	6n19
W 2	16 51	7 53	3 1	13 38	1 14	26 0	4 20	24 52	1 21	23 5	0 7	21 0	1 37	5 12	0 39	21 8	0 13	19 56	3 36	3 6	2 30	17 5	13 25	6 19
T 3	17 9	4 11	2 3	13 2	1 31	25 49	4 11	24 51	1 21	23 6	0 7	20 59	1 37	5 12	0 39	21 8	0 13	19 56	3 36	3 6	2 29	17 4	13 25	6 18
F 4	17 25	0 12	0 57	12 30	1 45	25 36	4 1	24 50	1 21	23 7	0 7	20 59	1 37	5 11	0 39	21 7	0 13	19 56	3 36	3 7	2 28	17 3	13 25	6 18
S 5	17 42	3n55	0s14	12 4	1 58	25 23	3 51	24 48	1 21	23 8	0 7	20 58	1 37	5 10	0 39	21 7	0 13	19 56	3 36	3 7	2 26	17 2	13 25	6 17
S 6	17 58	7 59	1 26	11 43	2 9	25 8	3 40	24 46	1 21	23 9	0 6	20 58	1 37	5 10	0 39	21 7	0 13	19 56	3 36	3 7	2 25	17 2	13 25	6 17
M 7	18 15	11 43	2 35	11 28	2 18	24 52	3 29	24 44	1 20	23 10	0 6	20 57	1 37	5 9	0 39	21 7	0 13	19 56	3 36	3 5	2 24	17 1	13 25	6 17
T 8	18 30	14 53	3 36	11 19	2 24	24 36	3 17	24 42	1 20	23 11	0 6	20 57	1 37	5 8	0 39	21 7	0 13	19 56	3 36	3 3	2 22	17 0	13 25	6 16
W 9	18 46	17 10	4 24	11 15	2 29	24 18	3 5	24 39	1 20	23 12	0 6	20 56	1 37	5 8	0 39	21 6	0 13	19 56	3 36	3 0	2 21	16 59	13 25	6 16
T 10	19 1	18 21	4 55	11 15	2 32	24 0	2 52	24 36	1 20	23 13	0 6	20 56	1 37	5 7	0 39	21 6	0 12	19 56	3 36	2 57	2 20	16 58	13 25	6 15
F 11	19 15	18 17	5 7	11 21	2 34	23 40	2 38	24 33	1 20	23 14	0 6	20 55	1 37	5 6	0 39	21 6	0 12	19 56	3 36	2 54	2 19	16 58	13 25	6 15
S 12	19 30	17 0	4 59	11 31	2 34	23 20	2 24	24 29	1 20	23 14	0 6	20 55	1 37	5 6	0 39	21 6	0 12	19 56	3 36	2 52	2 17	16 57	13 25	6 15
S 13	19 44	14 38	4 31	11 44	2 33	22 59	2 10	24 26	1 20	23 15	0 6	20 54	1 37	5 5	0 39	21 5	0 12	19 56	3 36	2 50	2 16	16 56	13 24	6 14
M14	19 57	11 25	3 47	12 0	2 31	22 38	1 55	24 21	1 20	23 16	0 6	20 54	1 36	5 5	0 39	21 5	0 12	19 56	3 36	2 49	2 15	16 55	13 24	6 14
T 15	20 11	7 37	2 50	12 19	2 28	22 16	1 40	24 17	1 20	23 17	0 5	20 53	1 36	5 4	0 39	21 5	0 12	19 56	3 36	2 49	2 14	16 55	13 24	6 13
W16	20 23	3 29	1 45	12 40	2 24	21 54	1 25	24 12	1 19	23 18	0 5	20 53	1 36	5 3	0 39	21 5	0 12	19 56	3 36	2 49	2 12	16 54	13 24	6 13
T 17	20 36	0s45	0 35	13 3	2 20	21 31	1 9	24 8	1 19	23 18	0 5	20 52	1 36	5 3	0 38	21 4	0 12	19 56	3 36	2 50	2 11	16 53	13 23	6 13
F 18	20 48	4 53	0n35	13 28	2 15	21 8	0 54	24 2	1 19	23 19	0 5	20 51	1 36	5 2	0 38	21 4	0 12	19 56	3 36	2 50	2 10	16 52	13 23	6 12
S 19	21 0	8 44	1 43	13 54	2 10	20 45	0 38	23 57	1 19	23 20	0 5	20 51	1 36	5 2	0 38	21 4	0 12	19 56	3 36	2 49	2 9	16 51	13 23	6 12
S 20	21 11	12 6	2 44	14 20	2 4	20 22	0 22	23 51	1 19	23 21	0 5	20 50	1 36	5 1	0 38	21 4	0 12	19 56	3 36	2 47	2 7	16 51	13 23	6 12
M21	21 22	14 52	3 36	14 48	1 57	19 59	0 7	23 45	1 18	23 21	0 5	20 50	1 36	5 1	0 38	21 3	0 12	19 56	3 36	2 44	2 6	16 50	13 22	6 11
T 22	21 33	16 55	4 17	15 16	1 51	19 37	0n 9	23 39	1 18	23 22	0 5	20 49	1 36	5 0	0 38	21 3	0 12	19 56	3 36	2 40	2 5	16 49	13 22	6 11
W23	21 43	18 9	4 45	15 44	1 44	19 15	0 24	23 32	1 18	23 22	0 5	20 49	1 36	5 0	0 38	21 3	0 12	19 56	3 36	2 36	2 4	16 48	13 22	6 11
T 24	21 52	18 32	5 0	16 13	1 37	18 53	0 39	23 25	1 18	23 23	0 4	20 48	1 36	5 0	0 38	21 3	0 12	19 56	3 36	2 31	2 2	16 47	13 21	6 10
F 25	22 2	18 5	5 2	16 42	1 30	18 33	0 53	23 18	1 18	23 24	0 4	20 48	1 36	4 59	0 38	21 2	0 12	19 56	3 35	2 26	2 1	16 47	13 21	6 10
S 26	22 11	16 51	4 50	17 10	1 22	18 12	1 8	23 11	1 17	23 24	0 4	20 47	1 36	4 59	0 38	21 2	0 12	19 56	3 35	2 21	2 0	16 46	13 20	6 9
S 27	22 19	14 54	4 26	17 38	1 15	17 53	1 21	23 3	1 17	23 25	0 4	20 46	1 36	4 59	0 38	21 2	0 12	19 56	3 35	2 18	1 58	16 45	13 20	6 9
M28	22 27	12 20	3 50	18 6	1 7	17 35	1 35	22 55	1 17	23 25	0 4	20 46	1 35	4 58	0 38	21 1	0 12	19 56	3 35	2 15	1 57	16 44	13 20	6 9
T 29	22 34	9 15	3 5	18 34	1 0	17 17	1 48	22 47	1 17	23 26	0 4	20 45	1 35	4 58	0 38	21 1	0 12	19 56	3 35	2 14	1 56	16 43	13 19	6 8
W30	22s42	5s44	2n10	19s 1	0n52	17s 1	2n 0	22s39	1s16	23s26	0n 4	20n45	1s35	4n58	0s38	21s 1	0n12	19n56	3s35	2s13	1s55	16s42	13s19	6n 8

Julian Day Number = 2151261.5, Delta T = 14m10s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'36, Lahiri = 12°23'37 Julian Calendar 1 Nov. 1177 == Greg. Calendar 8 Nov. 1177

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ASTRODIENST EPHEMERIS for the year 1177
geocentric

DECEMBER 1177 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 5 41	15♐59'51	22♓34	29♏43	24°R10	24♑50	26♐53	11°R52	13°R59	25♑ 6	28°R 4	5♎35	4♎44	23♑26	4♒19	T 1
F 2	5 9 38	17° 0'59	5♈10	1♐11	23♏56	25°37	27° 7	11♊47	13♈58	25° 8	28♊ 3	5°R35	4°41	23°33	4°23	F 2
S 3	5 13 34	18° 2'08	18°10	2°40	23°46	26°24	27°21	11°42	13°57	25°10	28° 2	5°34	4°38	23°40	4°26	S 3
S 4	5 17 31	19° 3'18	1♉37	4° 9	23°38	27°11	27°35	11°37	13°57	25°12	28° 1	5°32	4°35	23°46	4°30	S 4
M 5	5 21 27	20° 4'27	15°35	5°38	23°32	27°58	27°48	11°32	13°56	25°14	28° 0	5°27	4°31	23°53	4°34	M 5
T 6	5 25 24	21° 5'36	0♊ 1	7° 8	23°29	28°45	28° 2	11°27	13°56	25°16	27°58	5°19	4°28	24° 0	4°37	T 6
W 7	5 29 21	22° 6'46	14°51	8°38	23°D28	29°32	28°16	11°22	13°55	25°18	27°57	5° 8	4°25	24° 7	4°41	W 7
T 8	5 33 17	23° 7'56	29°57	10° 9	23°30	0♒19	28°30	11°17	13°55	25°20	27°56	4°57	4°22	24°13	4°45	T 8
F 9	5 37 14	24° 9'07	15♋ 8	11°40	23°34	1° 6	28°44	11°13	13°54	25°22	27°55	4°45	4°19	24°20	4°48	F 9
S 10	5 41 10	25°10'17	0♌15	13°11	23°40	1°53	28°58	11° 8	13°54	25°24	27°54	4°36	4°16	24°27	4°52	S 10
S 11	5 45 7	26°11'28	15° 7	14°43	23°49	2°40	29°12	11° 3	13°54	25°26	27°52	4°28	4°12	24°33	4°56	S 11
M12	5 49 3	27°12'39	29°38	16°15	24° 0	3°28	29°26	10°58	13°53	25°28	27°51	4°23	4° 9	24°40	5° 0	M12
T 13	5 53 0	28°13'51	13♍44	17°47	24°14	4°15	29°40	10°54	13°53	25°30	27°50	4°21	4° 6	24°47	5° 4	T 13
W14	5 56 56	29°15'02	27°26	19°19	24°29	5° 2	29°54	10°49	13°53	25°32	27°49	4°21	4° 3	24°54	5° 8	W14
T 15	6 0 53	0♑16'14	10♎45	20°52	24°47	5°49	0♑ 8	10°45	13°53	25°34	27°47	4°20	4° 0	25° 0	5°12	T 15
F 16	6 4 50	1°17'27	23°44	22°26	25° 6	6°36	0°21	10°40	13°D53	25°36	27°46	4°20	3°57	25° 7	5°16	F 16
S 17	6 8 46	2°18'39	6♏27	23°59	25°28	7°23	0°35	10°36	13°53	25°38	27°45	4°16	3°53	25°14	5°20	S 17
S 18	6 12 43	3°19'52	18°57	25°34	25°51	8°10	0°49	10°31	13°53	25°40	27°44	4°11	3°50	25°20	5°24	S 18
M19	6 16 39	4°21'05	1♐16	27° 8	26°16	8°57	1° 3	10°27	13°53	25°43	27°42	4° 2	3°47	25°27	5°28	M19
T 20	6 20 36	5°22'17	13°27	28°43	26°43	9°45	1°17	10°23	13°53	25°45	27°41	3°50	3°44	25°34	5°32	T 20
W21	6 24 32	6°23'30	25°32	0♑18	27°12	10°32	1°31	10°18	13°54	25°47	27°40	3°35	3°41	25°41	5°36	W21
T 22	6 28 29	7°24'42	7♑31	1°54	27°42	11°19	1°45	10°14	13°54	25°49	27°39	3°20	3°37	25°47	5°41	T 22
F 23	6 32 25	8°25'54	19°26	3°30	28°14	12° 6	1°59	10°10	13°54	25°51	27°38	3° 5	3°34	25°54	5°45	F 23
S 24	6 36 22	9°27'06	1♒17	5° 6	28°47	12°53	2°13	10° 6	13°55	25°53	27°36	2°51	3°31	26° 1	5°49	S 24
S 25	6 40 19	10°28'17	13° 7	6°43	29°22	13°40	2°27	10° 2	13°55	25°56	27°35	2°40	3°28	26° 7	5°53	S 25
M26	6 44 15	11°29'27	24°58	8°21	29°58	14°27	2°41	9°58	13°55	25°58	27°34	2°32	3°25	26°14	5°58	M26
T 27	6 48 12	12°30'37	6♓52	9°59	0♐35	15°14	2°55	9°55	13°56	26° 0	27°33	2°26	3°22	26°21	6° 2	T 27
W28	6 52 8	13°31'46	18°53	11°37	1°14	16° 2	3° 8	9°51	13°57	26° 2	27°32	2°24	3°18	26°28	6° 6	W28
T 29	6 56 5	14°32'54	1♈ 7	13°16	1°53	16°49	3°22	9°47	13°57	26° 5	27°30	2°D23	3°15	26°34	6°11	T 29
F 30	7 0 1	15°34'01	13°38	14°56	2°34	17°36	3°36	9°44	13°58	26° 7	27°29	2°R23	3°12	26°41	6°15	F 30
S 31	7 3 58	16♑35'07	26♈30	16♑36	3♐17	18♒23	3♑50	9♊40	13♈59	26♑ 9	27♊28	2♎23	3♎ 9	26♑48	6♒20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s48	1s55	1n 9	19s27	0n45	16s45	2n13	22s30	1s16	23s27	0n 4	20n44	1s35	4n57	0s38	21s 0	0n12	19n56	3s35	2s14	1s53	16s42	13s18	6n 8
F 2	22 54	2n 6	0 2	19 53	0 37	16 31	2 24	22 21	1 16	23 27	0 4	20 44	1 35	4 57	0 38	21 0	0 12	19 56	3 35	2 14	1 52	16 41	13 18	6 8
S 3	23 0	6 8	1s 6	20 18	0 30	16 18	2 35	22 12	1 16	23 27	0 4	20 43	1 35	4 57	0 38	21 0	0 12	19 57	3 35	2 13	1 51	16 40	13 17	6 7
S 4	23 5	10 0	2 13	20 42	0 22	16 5	2 45	22 3	1 15	23 28	0 3	20 43	1 35	4 57	0 38	20 59	0 12	19 57	3 35	2 12	1 50	16 39	13 17	6 7
M 5	23 10	13 28	3 15	21 5	0 15	15 54	2 55	21 53	1 15	23 28	0 3	20 42	1 35	4 56	0 38	20 59	0 12	19 57	3 35	2 10	1 48	16 38	13 16	6 7
T 6	23 15	16 14	4 6	21 28	0 8	15 44	3 5	21 43	1 15	23 28	0 3	20 41	1 35	4 56	0 38	20 59	0 12	19 57	3 35	2 7	1 47	16 37	13 15	6 6
W 7	23 18	18 0	4 42	21 50	0 1	15 36	3 14	21 33	1 14	23 29	0 3	20 41	1 34	4 56	0 38	20 58	0 12	19 57	3 35	2 3	1 46	16 37	13 15	6 6
T 8	23 22	18 33	4 59	22 11	0s 7	15 28	3 22	21 22	1 14	23 29	0 3	20 40	1 34	4 56	0 38	20 58	0 12	19 57	3 35	1 58	1 45	16 36	13 14	6 6
F 9	23 25	17 47	4 56	22 30	0 14	15 21	3 30	21 12	1 14	23 29	0 3	20 40	1 34	4 56	0 38	20 58	0 12	19 57	3 35	1 54	1 43	16 35	13 14	6 6
S 10	23 27	15 46	4 31	22 49	0 20	15 16	3 37	21 1	1 13	23 29	0 3	20 39	1 34	4 56	0 38	20 57	0 12	19 57	3 35	1 50	1 42	16 34	13 13	6 5
S 11	23 29	12 43	3 49	23 7	0 27	15 11	3 44	20 50	1 13	23 30	0 3	20 39	1 34	4 56	0 38	20 57	0 12	19 57	3 35	1 47	1 41	16 33	13 12	6 5
M12	23 31	8 58	2 52	23 23	0 34	15 8	3 50	20 39	1 13	23 30	0 3	20 38	1 34	4 56	0 38	20 57	0 12	19 57	3 35	1 45	1 39	16 32	13 12	6 5
T 13	23 32	4 47	1 47	23 39	0 40	15 5	3 56	20 27	1 12	23 30	0 3	20 38	1 34	4 55	0 38	20 56	0 12	19 57	3 35	1 44	1 38	16 31	13 11	6 4
W14	23 32	0 28	0 36	23 53	0 46	15 4	4 2	20 15	1 12	23 30	0 2	20 37	1 33	4 55	0 38	20 56	0 12	19 57	3 35	1 44	1 37	16 31	13 10	6 4
T 15	23 33	3s45	0n34	24 6	0 53	15 3	4 7	20 3	1 12	23 30	0 2	20 37	1 33	4 55	0 38	20 55	0 12	19 57	3 35	1 44	1 36	16 30	13 10	6 4
F 16	23 32	7 42	1 41	24 18	0 59	15 3	4 11	19 51	1 11	23 30	0 2	20 36	1 33	4 55	0 37	20 55	0 12	19 57	3 35	1 44	1 34	16 29	13 9	6 4
S 17	23 31	11 12	2 41	24 29	1 4	15 5	4 15	19 39	1 11	23 30	0 2	20 36	1 33	4 55	0 37	20 55	0 12	19 57	3 34	1 42	1 33	16 28	13 8	6 4
S 18	23 30	14 8	3 32	24 38	1 10	15 6	4 19	19 26	1 10	23 30	0 2	20 35	1 33	4 56	0 37	20 54	0 12	19 57	3 34	1 40	1 32	16 27	13 7	6 3
M19	23 28	16 23	4 13	24 46	1 15	15 9	4 22	19 13	1 10	23 30	0 2	20 35	1 33	4 56	0 37	20 54	0 12	19 57	3 34	1 36	1 31	16 26	13 7	6 3
T 20	23 26	17 52	4 41	24 53	1 20	15 12	4 25	19 0	1 10	23 30	0 2	20 35	1 33	4 56	0 37	20 54	0 12	19 57	3 34	1 32	1 29	16 25	13 6	6 3
W21	23 23	18 32	4 56	24 58	1 25	15 16	4 28	18 47	1 9	23 30	0 2	20 34	1 32	4 56	0 37	20 53	0 12	19 57	3 34	1 26	1 28	16 24	13 5	6 3
T 22	23 20	18 22	4 58	25 2	1 30	15 20	4 30	18 34	1 9	23 30	0 2	20 34	1 32	4 56	0 37	20 53	0 12	19 57	3 34	1 20	1 27	16 24	13 4	6 2
F 23	23 16	17 23	4 47	25 4	1 34	15 25	4 32	18 20	1 8	23 30	0 2	20 33	1 32	4 56	0 37	20 52	0 12	19 57	3 34	1 14	1 26	16 23	13 4	6 2
S 24	23 12	15 40	4 24	25 5	1 39	15 31	4 34	18 6	1 8	23 30	0 1	20 33	1 32	4 56	0 37	20 52	0 12	19 57	3 34	1 8	1 24	16 22	13 3	6 2
S 25	23 8	13 17	3 49	25 5	1 42	15 37	4 35	17 52	1 7	23 30	0 1	20 32	1 32	4 57	0 37	20 52	0 12	19 57	3 34	1 4	1 23	16 21	13 2	6 2
M26	23 3	10 22	3 4	25 3	1 46	15 44	4 36	17 38	1 7	23 30	0 1	20 32	1 31	4 57	0 37	20 51	0 12	19 57	3 34	1 1	1 22	16 20	13 1	6 2
T 27	22 57	7 0	2 11	24 59	1 49	15 51	4 37	17 24	1 7	23 29	0 1	20 32	1 31	4 57	0 37	20 51	0 12	19 57	3 34	0 58	1 20	16 19	13 0	6 2
W28	22 51	3 20	1 11	24 54	1 53	15 58	4 37	17 9	1 6	23 29	0 1	20 31	1 31	4 57	0 37	20 50	0 12	19 58	3 34	0 57	1 19	16 18	12 59	6 1
T 29	22 45	0n33	0 7	24 47	1 55	16 6	4 38	16 55	1 6	23 29	0 1	20 31	1 31	4 58	0 37	20 50	0 12	19 58	3 34	0 57	1 18	16 17	12 58	6 1
F 30	22 38	4 29	0s59	24 39	1 58	16 14	4 38	16 40	1 5	23 29	0 1	20 31	1 31	4 58	0 37	20 50	0 12	19 58	3 34	0 57	1 17	16 16	12 57	6 1
S 31	22s31	8n20	2s 4	24s29	2s 0	16s22	4n37	16s25	1s 5	23s28	0n 1	20n30	1s30	4n58	0s37	20s49	0n12	19n58	3s33	0s57	1s15	16s16	12s57	6n 1

Julian Day Number = 2151291.5, Delta T = 14m10s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'40, Lahiri = 12°23'41 Julian Calendar 1 Dec. 1177 == Greg. Calendar 8 Dec. 1177

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

JANUARY 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 54	17♑36'13	9♉49	18♑16	4♐ 0	19♒10	4♑ 4	9°R37	13♈59	26♑11	27°R27	2°R21	3♎ 6	26♑54	6♒24	S 1
M 2	7 11 51	18°37'17	23°38	19°58	4°44	19°57	4°17	9♊34	14° 0	26°14	27♊26	2♎17	3° 3	27° 1	6°28	M 2
T 3	7 15 48	19°38'21	7♊58	21°39	5°29	20°44	4°31	9°30	14° 1	26°16	27°25	2°10	2°59	27° 8	6°33	T 3
W 4	7 19 44	20°39'24	22°45	23°22	6°16	21°31	4°45	9°27	14° 2	26°18	27°23	2° 1	2°56	27°15	6°37	W 4
T 5	7 23 41	21°40'25	7♋54	25° 4	7° 3	22°18	4°58	9°24	14° 3	26°20	27°22	1°50	2°53	27°21	6°42	T 5
F 6	7 27 37	22°41'26	23°14	26°48	7°51	23° 5	5°12	9°21	14° 4	26°23	27°21	1°39	2°50	27°28	6°46	F 6
S 7	7 31 34	23°42'26	8♌35	28°32	8°40	23°52	5°26	9°18	14° 5	26°25	27°20	1°30	2°47	27°35	6°51	S 7
S 8	7 35 30	24°43'25	23°44	0♒16	9°29	24°39	5°39	9°16	14° 6	26°27	27°19	1°23	2°43	27°41	6°55	S 8
M 9	7 39 27	25°44'23	8♍33	2° 1	10°20	25°26	5°53	9°13	14° 8	26°30	27°18	1°18	2°40	27°48	7° 0	M 9
T 10	7 43 24	26°45'20	22°55	3°46	11°11	26°13	6° 6	9°10	14° 9	26°32	27°17	1°16	2°37	27°55	7° 4	T 10
W11	7 47 20	27°46'16	6♎49	5°32	12° 3	27° 0	6°20	9° 8	14°10	26°34	27°16	1°D16	2°34	28° 2	7° 9	W11
T 12	7 51 17	28°47'12	20°15	7°17	12°56	27°47	6°33	9° 6	14°12	26°36	27°15	1°16	2°31	28° 8	7°14	T 12
F 13	7 55 13	29°48'07	3♏17	9° 3	13°49	28°34	6°47	9° 3	14°13	26°39	27°14	1°R17	2°28	28°15	7°18	F 13
S 14	7 59 10	0♒49'01	15°57	10°49	14°44	29°21	7° 0	9° 1	14°14	26°41	27°13	1°15	2°24	28°22	7°23	S 14
S 15	8 3 6	1°49'55	28°21	12°35	15°38	0♓ 7	7°14	8°59	14°16	26°43	27°12	1°12	2°21	28°28	7°27	S 15
M16	8 7 3	2°50'47	10♐33	14°21	16°34	0°54	7°27	8°57	14°17	26°45	27°11	1° 6	2°18	28°35	7°32	M16
T 17	8 10 59	3°51'38	22°36	16° 6	17°29	1°41	7°40	8°56	14°19	26°48	27°10	0°57	2°15	28°42	7°36	T 17
W18	8 14 56	4°52'29	4♑32	17°50	18°26	2°28	7°53	8°54	14°21	26°50	27° 9	0°47	2°12	28°48	7°41	W18
T 19	8 18 53	5°53'18	16°25	19°33	19°23	3°15	8° 7	8°52	14°22	26°52	27° 8	0°36	2° 9	28°55	7°46	T 19
F 20	8 22 49	6°54'06	28°16	21°15	20°20	4° 1	8°20	8°51	14°24	26°55	27° 7	0°24	2° 5	29° 2	7°50	F 20
S 21	8 26 46	7°54'52	10♒ 8	22°55	21°18	4°48	8°33	8°49	14°26	26°57	27° 6	0°14	2° 2	29° 9	7°55	S 21
S 22	8 30 42	8°55'38	22° 0	24°32	22°16	5°35	8°46	8°48	14°28	26°59	27° 5	0° 6	1°59	29°15	7°59	S 22
M23	8 34 39	9°56'21	3♓55	26° 7	23°15	6°21	8°59	8°47	14°30	27° 1	27° 4	29♍59	1°56	29°22	8° 4	M23
T 24	8 38 35	10°57'04	15°55	27°39	24°15	7° 8	9°12	8°46	14°31	27° 3	27° 4	29°56	1°53	29°29	8° 9	T 24
W25	8 42 32	11°57'44	28° 3	29° 7	25°14	7°55	9°25	8°45	14°33	27° 6	27° 3	29°D55	1°49	29°35	8°13	W25
T 26	8 46 28	12°58'23	10♈21	0♓30	26°14	8°41	9°37	8°44	14°35	27° 8	27° 2	29°56	1°46	29°42	8°18	T 26
F 27	8 50 25	13°59'00	22°54	1°48	27°15	9°28	9°50	8°43	14°37	27°10	27° 1	29°57	1°43	29°49	8°22	F 27
S 28	8 54 21	14°59'36	5♉45	3° 1	28°16	10°14	10° 3	8°43	14°39	27°12	27° 0	29°58	1°40	29°56	8°27	S 28
S 29	8 58 18	16° 0'09	18°59	4° 6	29°17	11° 1	10°15	8°42	14°42	27°15	27° 0	29°R59	1°37	0♒ 2	8°32	S 29
M30	9 2 15	17° 0'41	2♊37	5° 5	0♑18	11°47	10°28	8°42	14°44	27°17	26°59	29°57	1°34	0° 9	8°36	M30
T 31	9 6 11	18♒ 1'11	16♊43	5♓55	1♑20	12♓34	10♑41	8♊42	14♈46	27♑19	26♊58	29♍54	1♎30	0♒16	8♒41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s23	11n54	3s 5	24s18	2s 1	16s30	4n37	16s10	1s 4	23s28	0n 1	20n30	1s30	4n59	0s37	20s49	0n12	19n58	3s33	0s56	1s14	16s15	12s56	6n 1
M 2	22 15	14 57	3 57	24 5	2 3	16 39	4 36	15 54	1 4	23 28	0 1	20 30	1 30	4 59	0 37	20 48	0 12	19 58	3 33	0 55	1 13	16 14	12 55	6 1
T 3	22 6	17 12	4 36	23 50	2 4	16 48	4 35	15 39	1 3	23 27	0 1	20 30	1 30	4 59	0 37	20 48	0 12	19 58	3 33	0 52	1 12	16 13	12 54	6 1
W 4	21 57	18 23	4 58	23 33	2 4	16 57	4 34	15 23	1 3	23 27	0 0	20 29	1 30	5 0	0 37	20 47	0 12	19 58	3 33	0 48	1 10	16 12	12 53	6 0
T 5	21 47	18 19	5 0	23 15	2 4	17 6	4 32	15 7	1 2	23 27	0 0	20 29	1 29	5 0	0 37	20 47	0 12	19 58	3 33	0 44	1 9	16 11	12 52	6 0
F 6	21 37	16 55	4 41	22 55	2 4	17 15	4 31	14 51	1 2	23 26	0 0	20 29	1 29	5 1	0 37	20 47	0 12	19 58	3 33	0 40	1 8	16 10	12 51	6 0
S 7	21 27	14 18	4 2	22 33	2 3	17 25	4 29	14 35	1 1	23 26	0 0	20 29	1 29	5 1	0 37	20 46	0 12	19 58	3 33	0 36	1 7	16 9	12 50	6 0
S 8	21 16	10 45	3 6	22 10	2 2	17 34	4 27	14 19	1 1	23 25	0 0	20 28	1 29	5 2	0 37	20 46	0 12	19 58	3 33	0 33	1 5	16 8	12 49	6 0
M 9	21 5	6 35	1 58	21 45	2 0	17 43	4 25	14 3	1 0	23 25	0s 0	20 28	1 29	5 2	0 37	20 45	0 12	19 58	3 33	0 31	1 4	16 7	12 48	6 0
T 10	20 54	2 9	0 44	21 18	1 58	17 53	4 23	13 46	1 0	23 24	0 0	20 28	1 28	5 3	0 37	20 45	0 12	19 58	3 33	0 30	1 3	16 6	12 47	6 0
W11	20 42	2s16	0n30	20 49	1 55	18 2	4 20	13 30	0 59	23 24	0 0	20 28	1 28	5 3	0 37	20 45	0 12	19 59	3 32	0 30	1 1	16 5	12 46	6 0
T 12	20 30	6 25	1 40	20 19	1 51	18 11	4 18	13 13	0 59	23 23	0 0	20 28	1 28	5 4	0 36	20 44	0 12	19 59	3 32	0 30	1 0	16 4	12 45	6 0
F 13	20 17	10 7	2 42	19 47	1 47	18 20	4 15	12 56	0 58	23 23	0 0	20 28	1 28	5 4	0 36	20 44	0 12	19 59	3 32	0 31	0 59	16 4	12 44	6 0
S 14	20 4	13 15	3 35	19 14	1 42	18 29	4 12	12 39	0 58	23 22	0 1	20 28	1 27	5 5	0 36	20 43	0 12	19 59	3 32	0 30	0 58	16 3	12 42	5 59
S 15	19 50	15 43	4 16	18 39	1 37	18 38	4 9	12 22	0 57	23 21	0 1	20 27	1 27	5 5	0 36	20 43	0 12	19 59	3 32	0 29	0 56	16 2	12 41	5 59
M16	19 36	17 25	4 45	18 3	1 31	18 47	4 6	12 5	0 57	23 21	0 1	20 27	1 27	5 6	0 36	20 42	0 12	19 59	3 32	0 26	0 55	16 1	12 40	5 59
T 17	19 22	18 19	5 1	17 25	1 24	18 55	4 3	11 48	0 56	23 20	0 1	20 27	1 27	5 7	0 36	20 42	0 12	19 59	3 32	0 23	0 54	16 0	12 39	5 59
W18	19 8	18 24	5 4	16 46	1 17	19 3	4 0	11 30	0 56	23 19	0 1	20 27	1 26	5 7	0 36	20 42	0 12	19 59	3 32	0 19	0 53	15 59	12 38	5 59
T 19	18 53	17 41	4 53	16 6	1 8	19 12	3 56	11 13	0 55	23 19	0 1	20 27	1 26	5 8	0 36	20 41	0 12	19 59	3 32	0 14	0 51	15 58	12 37	5 59
F 20	18 38	16 11	4 30	15 25	0 59	19 19	3 53	10 55	0 55	23 18	0 1	20 27	1 26	5 9	0 36	20 41	0 12	19 59	3 31	0 10	0 50	15 57	12 36	5 59
S 21	18 22	14 1	3 55	14 43	0 49	19 27	3 49	10 38	0 54	23 17	0 1	20 27	1 26	5 9	0 36	20 40	0 12	19 59	3 31	0 6	0 49	15 56	12 35	5 59
S 22	18 6	11 15	3 9	14 1	0 39	19 34	3 45	10 20	0 53	23 17	0 1	20 27	1 26	5 10	0 36	20 40	0 11	19 59	3 31	0 2	0 48	15 55	12 34	5 59
M23	17 50	8 1	2 15	13 18	0 28	19 41	3 41	10 2	0 53	23 16	0 2	20 27	1 25	5 11	0 36	20 39	0 11	20 0	3 31	0n 0	0 46	15 54	12 32	5 59
T 24	17 34	4 26	1 15	12 35	0 15	19 48	3 37	9 44	0 52	23 15	0 2	20 27	1 25	5 12	0 36	20 39	0 11	20 0	3 31	0 1	0 45	15 53	12 31	5 59
W25	17 17	0 37	0 10	11 52	0 3	19 54	3 33	9 26	0 52	23 14	0 2	20 28	1 25	5 13	0 36	20 39	0 11	20 0	3 31	0 2	0 44	15 52	12 30	5 59
T 26	17 0	3n15	0s56	11 10	0n11	20 0	3 29	9 8	0 51	23 13	0 2	20 28	1 25	5 13	0 36	20 38	0 11	20 0	3 31	0 2	0 42	15 51	12 29	5 59
F 27	16 42	7 4	2 1	10 29	0 25	20 6	3 25	8 50	0 51	23 13	0 2	20 28	1 24	5 14	0 36	20 38	0 11	20 0	3 31	0 1	0 41	15 50	12 28	5 59
S 28	16 25	10 38	3 2	9 50	0 40	20 11	3 21	8 32	0 50	23 12	0 2	20 28	1 24	5 15	0 36	20 37	0 11	20 0	3 31	0 1	0 40	15 49	12 27	5 59
S 29	16 7	13 47	3 54	9 12	0 55	20 16	3 17	8 14	0 49	23 11	0 2	20 28	1 24	5 16	0 36	20 37	0 11	20 0	3 30	0 1	0 39	15 48	12 25	5 59
M30	15 48	16 16	4 36	8 36	1 10	20 20	3 12	7 55	0 49	23 10	0 2	20 28	1 24	5 17	0 36	20 36	0 11	20 0	3 30	0 1	0 37	15 47	12 24	5 59
T 31	15s30	17n52	5s 2	8s 3	1n26	20s24	3n 8	7s37	0s48	23s 9	0s 2	20n28	1s23	5n18	0s36	20s36	0n11	20n 0	3s30	0n 2	0s36	15s46	12s23	5n59

Julian Day Number = 2151322.5, Delta T = 14m10s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'45, Lahiri = 12°23'45 Julian Calendar 1 Jan. 1178 == Greg. Calendar 8 Jan. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

FEBRUARY 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 10 8	19♒ 1'39	1♋15	6♓37	2♑22	13♓20	10♑53	8°R42	14♈48	27♑21	26°R57	29°R50	1♎27	0♒22	8♒45	W 1
T 2	9 14 4	20° 2'05	16° 8	7°10	3°25	14° 6	11° 5	8°D42	14°50	27°23	26♊57	29♍44	1°24	0°29	8°50	T 2
F 3	9 18 1	21° 2'29	1♌17	7°33	4°28	14°53	11°18	8♊42	14°53	27°25	26°56	29°38	1°21	0°36	8°54	F 3
S 4	9 21 57	22° 2'51	16°31	7°47	5°31	15°39	11°30	8°42	14°55	27°27	26°55	29°32	1°18	0°42	8°59	S 4
S 5	9 25 54	23° 3'12	1♍40	7°R51	6°34	16°25	11°42	8°42	14°57	27°30	26°55	29°28	1°15	0°49	9° 3	S 5
M 6	9 29 50	24° 3'30	16°35	7°44	7°38	17°11	11°54	8°43	15° 0	27°32	26°54	29°26	1°11	0°56	9° 8	M 6
T 7	9 33 47	25° 3'47	1♎ 7	7°28	8°42	17°58	12° 6	8°43	15° 2	27°34	26°54	29°D25	1° 8	1° 3	9°12	T 7
W 8	9 37 44	26° 4'03	15°12	7° 3	9°46	18°44	12°18	8°44	15° 5	27°36	26°53	29°26	1° 5	1° 9	9°17	W 8
T 9	9 41 40	27° 4'17	28°49	6°29	10°50	19°30	12°30	8°45	15° 7	27°38	26°52	29°28	1° 2	1°16	9°21	T 9
F 10	9 45 37	28° 4'29	12♏ 0	5°47	11°55	20°16	12°42	8°45	15°10	27°40	26°52	29°29	0°59	1°23	9°25	F 10
S 11	9 49 33	29° 4'40	24°47	4°59	13° 0	21° 2	12°54	8°46	15°13	27°42	26°51	29°R30	0°55	1°29	9°30	S 11
S 12	9 53 30	0♓ 4'50	7♐13	4° 5	14° 5	21°48	13° 5	8°48	15°15	27°44	26°51	29°30	0°52	1°36	9°34	S 12
M13	9 57 26	1° 4'57	19°25	3° 8	15°11	22°34	13°17	8°49	15°18	27°46	26°51	29°28	0°49	1°43	9°39	M13
T 14	10 1 23	2° 5'04	1♑25	2° 7	16°16	23°20	13°28	8°50	15°21	27°48	26°50	29°26	0°46	1°50	9°43	T 14
W15	10 5 19	3° 5'08	13°19	1° 6	17°22	24° 6	13°40	8°52	15°23	27°50	26°50	29°22	0°43	1°56	9°47	W15
T 16	10 9 16	4° 5'11	25° 9	0° 5	18°28	24°52	13°51	8°53	15°26	27°52	26°49	29°17	0°40	2° 3	9°51	T 16
F 17	10 13 13	5° 5'12	7♒ 0	29♒ 5	19°34	25°37	14° 2	8°55	15°29	27°54	26°49	29°13	0°36	2°10	9°56	F 17
S 18	10 17 9	6° 5'11	18°52	28° 9	20°41	26°23	14°13	8°57	15°32	27°56	26°49	29° 9	0°33	2°16	10° 0	S 18
S 19	10 21 6	7° 5'08	0♓50	27°16	21°47	27° 9	14°24	8°58	15°34	27°57	26°48	29° 6	0°30	2°23	10° 4	S 19
M20	10 25 2	8° 5'03	12°53	26°28	22°54	27°54	14°35	9° 0	15°37	27°59	26°48	29° 4	0°27	2°30	10° 8	M20
T 21	10 28 59	9° 4'56	25° 5	25°45	24° 1	28°40	14°46	9° 2	15°40	28° 1	26°48	29°D 3	0°24	2°36	10°13	T 21
W22	10 32 55	10° 4'47	7♈26	25° 9	25° 8	29°26	14°57	9° 5	15°43	28° 3	26°47	29° 3	0°20	2°43	10°17	W22
T 23	10 36 52	11° 4'36	19°59	24°38	26°15	0♈11	15° 8	9° 7	15°46	28° 5	26°47	29° 4	0°17	2°50	10°21	T 23
F 24	10 40 48	12° 4'23	2♉44	24°14	27°22	0°57	15°18	9° 9	15°49	28° 7	26°47	29° 5	0°14	2°57	10°25	F 24
S 25	10 44 45	13° 4'08	15°45	23°56	28°30	1°42	15°29	9°12	15°52	28° 8	26°47	29° 7	0°11	3° 3	10°29	S 25
S 26	10 48 42	14° 3'50	29° 3	23°45	29°37	2°28	15°39	9°15	15°55	28°10	26°47	29° 8	0° 8	3°10	10°33	S 26
M27	10 52 38	15° 3'30	12♊39	23°D40	0♒45	3°13	15°49	9°17	15°58	28°12	26°47	29°R 8	0° 5	3°17	10°37	M27
T 28	10 56 35	16♓ 3'08	26♊35	23♒41	1♒53	3♈58	15♑59	9♊20	16♈ 1	28♑13	26♊46	29♍ 8	0♎ 1	3♒23	10♒41	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s11	18n22	5s10	7s33	1n42	20s28	3n 4	7s19	0s48	23s 8	0s 2	20n29	1s23	5n18	0s36	20s36	0n11	20n 0	3s30	0n 4	0s35	15s45	12s22	5n59
T 2	14 52	17 38	4 57	7 6	1 57	20 31	2 59	7 0	0 47	23 7	0 3	20 29	1 23	5 19	0 36	20 35	0 11	20 1	3 30	0 6	0 34	15 44	12 21	5 59
F 3	14 33	15 40	4 24	6 43	2 13	20 34	2 55	6 42	0 46	23 6	0 3	20 29	1 23	5 20	0 36	20 35	0 11	20 1	3 30	0 9	0 32	15 43	12 19	6 0
S 4	14 13	12 35	3 32	6 24	2 28	20 36	2 50	6 23	0 46	23 5	0 3	20 29	1 22	5 21	0 36	20 34	0 11	20 1	3 30	0 11	0 31	15 42	12 18	6 0
S 5	13 54	8 40	2 25	6 10	2 42	20 38	2 45	6 5	0 45	23 4	0 3	20 30	1 22	5 22	0 36	20 34	0 11	20 1	3 30	0 13	0 30	15 41	12 17	6 0
M 6	13 34	4 15	1 10	6 0	2 55	20 39	2 41	5 46	0 45	23 3	0 3	20 30	1 22	5 23	0 36	20 34	0 11	20 1	3 29	0 14	0 28	15 40	12 16	6 0
T 7	13 13	0s18	0n 9	5 54	3 8	20 40	2 36	5 27	0 44	23 2	0 3	20 30	1 22	5 24	0 36	20 33	0 11	20 1	3 29	0 14	0 27	15 39	12 15	6 0
W 8	12 53	4 42	1 25	5 53	3 18	20 40	2 31	5 9	0 43	23 1	0 3	20 31	1 22	5 25	0 36	20 33	0 11	20 1	3 29	0 14	0 26	15 38	12 13	6 0
T 9	12 32	8 42	2 34	5 57	3 28	20 40	2 27	4 50	0 43	23 1	0 3	20 31	1 21	5 26	0 36	20 32	0 11	20 1	3 29	0 13	0 25	15 37	12 12	6 0
F 10	12 12	12 8	3 32	6 6	3 35	20 39	2 22	4 31	0 42	22 59	0 3	20 31	1 21	5 27	0 36	20 32	0 11	20 2	3 29	0 12	0 23	15 36	12 11	6 0
S 11	11 51	14 52	4 18	6 18	3 41	20 38	2 17	4 12	0 42	22 58	0 4	20 32	1 21	5 28	0 36	20 32	0 11	20 2	3 29	0 12	0 22	15 35	12 10	6 0
S 12	11 30	16 50	4 50	6 34	3 44	20 36	2 12	3 54	0 41	22 57	0 4	20 32	1 21	5 29	0 35	20 31	0 11	20 2	3 29	0 12	0 21	15 34	12 8	6 0
M13	11 8	18 0	5 9	6 54	3 45	20 34	2 8	3 35	0 40	22 56	0 4	20 33	1 20	5 30	0 35	20 31	0 11	20 2	3 29	0 13	0 20	15 33	12 7	6 0
T 14	10 47	18 19	5 13	7 16	3 45	20 31	2 3	3 16	0 40	22 55	0 4	20 33	1 20	5 31	0 35	20 30	0 11	20 2	3 28	0 14	0 18	15 32	12 6	6 1
W15	10 25	17 50	5 4	7 41	3 42	20 28	1 58	2 57	0 39	22 54	0 4	20 34	1 20	5 32	0 35	20 30	0 11	20 2	3 28	0 15	0 17	15 31	12 5	6 1
T 16	10 3	16 34	4 42	8 7	3 37	20 24	1 53	2 38	0 38	22 53	0 4	20 34	1 20	5 33	0 35	20 30	0 11	20 2	3 28	0 17	0 16	15 30	12 3	6 1
F 17	9 41	14 36	4 8	8 34	3 30	20 19	1 48	2 20	0 38	22 52	0 4	20 34	1 19	5 35	0 35	20 29	0 11	20 2	3 28	0 19	0 15	15 29	12 2	6 1
S 18	9 19	12 1	3 23	9 1	3 21	20 14	1 44	2 1	0 37	22 51	0 4	20 35	1 19	5 36	0 35	20 29	0 11	20 2	3 28	0 20	0 13	15 28	12 1	6 1
S 19	8 57	8 54	2 29	9 29	3 11	20 9	1 39	1 42	0 37	22 50	0 4	20 36	1 19	5 37	0 35	20 29	0 11	20 3	3 28	0 22	0 12	15 27	12 0	6 1
M20	8 34	5 24	1 28	9 56	3 0	20 3	1 34	1 23	0 36	22 49	0 5	20 36	1 19	5 38	0 35	20 28	0 11	20 3	3 28	0 22	0 11	15 26	11 58	6 1
T 21	8 12	1 38	0 22	10 22	2 48	19 56	1 29	1 4	0 35	22 48	0 5	20 37	1 18	5 39	0 35	20 28	0 11	20 3	3 27	0 23	0 9	15 25	11 57	6 2
W22	7 49	2n15	0s46	10 46	2 34	19 49	1 24	0 45	0 35	22 47	0 5	20 37	1 18	5 40	0 35	20 28	0 11	20 3	3 27	0 23	0 8	15 24	11 56	6 2
T 23	7 27	6 6	1 53	11 10	2 21	19 41	1 20	0 27	0 34	22 46	0 5	20 38	1 18	5 41	0 35	20 27	0 11	20 3	3 27	0 22	0 7	15 23	11 55	6 2
F 24	7 4	9 43	2 56	11 31	2 6	19 33	1 15	0 8	0 33	22 45	0 5	20 38	1 18	5 43	0 35	20 27	0 11	20 3	3 27	0 22	0 6	15 22	11 53	6 2
S 25	6 41	12 57	3 50	11 50	1 52	19 24	1 10	0n11	0 33	22 44	0 5	20 39	1 18	5 44	0 35	20 26	0 11	20 3	3 27	0 21	0 4	15 21	11 52	6 2
S 26	6 18	15 34	4 34	12 8	1 37	19 15	1 6	0 30	0 32	22 43	0 5	20 40	1 17	5 45	0 35	20 26	0 11	20 4	3 27	0 21	0 3	15 20	11 51	6 3
M27	5 55	17 23	5 4	12 23	1 23	19 5	1 1	0 48	0 31	22 41	0 5	20 40	1 17	5 46	0 35	20 26	0 11	20 4	3 27	0 21	0 2	15 19	11 50	6 3
T 28	5s32	18n14	5s16	12s37	1n 8	18s55	0n56	1n 7	0s31	22s40	0s 6	20n41	1s17	5n47	0s35	20s25	0n11	20n 4	3s26	0n21	0s 1	15s18	11s48	6n 3

Julian Day Number = 2151353.5, Delta T = 14m10s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'49, Lahiri = 12°23'49 Julian Calendar 1 Feb. 1178 == Greg. Calendar 8 Feb. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

MARCH 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 0 31	17♓ 2'43	10♋51	23♒47	3♒ 1	4♈44	16♑ 9	9♊23	16♈ 4	28♑15	26°R46	29°R 7	29♍58	3♒30	10♒45	W 1
T 2	11 4 28	18° 2'16	25°23	24° 0	4° 9	5°29	16°19	9°26	16° 7	28°17	26♊46	29♍ 6	29°55	3°37	10°49	T 2
F 3	11 8 24	19° 1'46	10♌ 8	24°17	5°17	6°14	16°29	9°29	16°11	28°18	26°46	29° 5	29°52	3°43	10°52	F 3
S 4	11 12 21	20° 1'15	24°59	24°40	6°25	6°59	16°39	9°32	16°14	28°20	26°D46	29° 4	29°49	3°50	10°56	S 4
S 5	11 16 17	21° 0'41	9♍50	25° 7	7°34	7°44	16°48	9°36	16°17	28°21	26°46	29° 3	29°46	3°57	11° 0	S 5
M 6	11 20 14	22° 0'05	24°32	25°39	8°42	8°29	16°58	9°39	16°20	28°23	26°46	29°D 3	29°42	4° 4	11° 4	M 6
T 7	11 24 10	22°59'26	8♎58	26°15	9°51	9°14	17° 7	9°43	16°23	28°25	26°46	29° 3	29°39	4°10	11° 7	T 7
W 8	11 28 7	23°58'46	23° 4	26°55	11° 0	9°59	17°17	9°46	16°27	28°26	26°46	29° 3	29°36	4°17	11°11	W 8
T 9	11 32 4	24°58'04	6♏46	27°39	12° 9	10°44	17°26	9°50	16°30	28°28	26°46	29° 3	29°33	4°24	11°15	T 9
F 10	11 36 0	25°57'20	20° 3	28°27	13°18	11°29	17°35	9°54	16°33	28°29	26°47	29° 4	29°30	4°30	11°18	F 10
S 11	11 39 57	26°56'34	2♐56	29°18	14°27	12°14	17°43	9°58	16°36	28°30	26°47	29° 4	29°26	4°37	11°22	S 11
S 12	11 43 53	27°55'46	15°28	0♓12	15°36	12°59	17°52	10° 2	16°40	28°32	26°47	29° 4	29°23	4°44	11°25	S 12
M13	11 47 50	28°54'57	27°43	1° 8	16°45	13°43	18° 1	10° 6	16°43	28°33	26°47	29° 4	29°20	4°50	11°29	M13
T 14	11 51 46	29°54'06	9♑46	2° 8	17°54	14°28	18° 9	10°10	16°46	28°34	26°47	29° 4	29°17	4°57	11°32	T 14
W15	11 55 43	0♈53'13	21°40	3°11	19° 4	15°12	18°18	10°14	16°50	28°36	26°48	29° 4	29°14	5° 4	11°36	W15
T 16	11 59 39	1°52'18	3♒30	4°16	20°13	15°57	18°26	10°19	16°53	28°37	26°48	29° 5	29°11	5°11	11°39	T 16
F 17	12 3 36	2°51'21	15°21	5°23	21°23	16°42	18°34	10°23	16°56	28°38	26°48	29° 5	29° 7	5°17	11°42	F 17
S 18	12 7 33	3°50'22	27°17	6°33	22°33	17°26	18°42	10°28	17° 0	28°39	26°48	29° 5	29° 4	5°24	11°45	S 18
S 19	12 11 29	4°49'22	9♓20	7°45	23°42	18°10	18°50	10°32	17° 3	28°41	26°49	29° 6	29° 1	5°31	11°49	S 19
M20	12 15 26	5°48'19	21°34	8°59	24°52	18°55	18°57	10°37	17° 7	28°42	26°49	29° 6	28°58	5°37	11°52	M20
T 21	12 19 22	6°47'14	3♈59	10°16	26° 2	19°39	19° 5	10°42	17°10	28°43	26°50	29°R 6	28°55	5°44	11°55	T 21
W22	12 23 19	7°46'08	16°38	11°34	27°12	20°23	19°12	10°47	17°13	28°44	26°50	29° 6	28°52	5°51	11°58	W22
T 23	12 27 15	8°44'59	29°31	12°54	28°22	21° 8	19°20	10°52	17°17	28°45	26°50	29° 5	28°48	5°57	12° 1	T 23
F 24	12 31 12	9°43'48	12♉39	14°16	29°32	21°52	19°27	10°57	17°20	28°46	26°51	29° 4	28°45	6° 4	12° 4	F 24
S 25	12 35 8	10°42'35	25°59	15°40	0♓42	22°36	19°34	11° 2	17°24	28°47	26°51	29° 2	28°42	6°11	12° 7	S 25
S 26	12 39 5	11°41'20	9♊34	17° 6	1°52	23°20	19°41	11° 7	17°27	28°48	26°52	29° 1	28°39	6°17	12°10	S 26
M27	12 43 2	12°40'02	23°20	18°34	3° 3	24° 4	19°47	11°12	17°30	28°49	26°52	29° 0	28°36	6°24	12°12	M27
T 28	12 46 58	13°38'43	7♋18	20° 3	4°13	24°48	19°54	11°17	17°34	28°50	26°53	28°D59	28°32	6°31	12°15	T 28
W29	12 50 55	14°37'21	21°26	21°34	5°23	25°32	20° 0	11°23	17°37	28°51	26°53	28°59	28°29	6°38	12°18	W29
T 30	12 54 51	15°35'57	5♌42	23° 7	6°34	26°16	20° 6	11°28	17°41	28°52	26°54	29° 0	28°26	6°44	12°20	T 30
F 31	12 58 48	16♈34'30	20♌ 4	24♓41	7♓44	27♈ 0	20♑12	11♊34	17♈44	28♑53	26♊55	29♍ 1	28♍23	6♒51	12♒23	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s 8	17n57	5s10	12s48	0n54	18s44	0n52	1n26	0s30	22s39	0s 6	20n42	1s17	5n49	0s35	20s25	0n11	20n 4	3s26	0n21	0n 1	15s17	11s47	6n 3
T 2	4 45	16 30	4 44	12 57	0 40	18 32	0 47	1 44	0 29	22 38	0 6	20 42	1 16	5 50	0 35	20 25	0 11	20 4	3 26	0 22	0 2	15 16	11 46	6 3
F 3	4 22	13 56	3 59	13 4	0 27	18 20	0 43	2 3	0 29	22 37	0 6	20 43	1 16	5 51	0 35	20 24	0 11	20 4	3 26	0 22	0 3	15 15	11 45	6 4
S 4	3 58	10 27	2 58	13 9	0 13	18 8	0 38	2 21	0 28	22 36	0 6	20 44	1 16	5 52	0 35	20 24	0 11	20 4	3 26	0 23	0 5	15 14	11 44	6 4
S 5	3 35	6 18	1 45	13 12	0 1	17 55	0 34	2 40	0 28	22 35	0 6	20 44	1 16	5 54	0 35	20 24	0 11	20 4	3 26	0 23	0 6	15 13	11 42	6 4
M 6	3 11	1 48	0 25	13 13	0s12	17 41	0 29	2 58	0 27	22 34	0 6	20 45	1 16	5 55	0 35	20 24	0 11	20 5	3 26	0 23	0 7	15 12	11 41	6 4
T 7	2 48	2s44	0n55	13 11	0 24	17 27	0 25	3 16	0 26	22 33	0 6	20 46	1 15	5 56	0 35	20 23	0 11	20 5	3 26	0 23	0 8	15 10	11 40	6 5
W 8	2 24	7 0	2 9	13 8	0 35	17 13	0 21	3 35	0 26	22 32	0 7	20 47	1 15	5 57	0 35	20 23	0 11	20 5	3 25	0 23	0 10	15 9	11 39	6 5
T 9	2 0	10 46	3 15	13 3	0 46	16 58	0 17	3 53	0 25	22 31	0 7	20 47	1 15	5 59	0 35	20 23	0 11	20 5	3 25	0 23	0 11	15 8	11 37	6 5
F 10	1 37	13 52	4 7	12 57	0 56	16 42	0 12	4 11	0 24	22 30	0 7	20 48	1 15	6 0	0 35	20 22	0 11	20 5	3 25	0 22	0 12	15 7	11 36	6 5
S 11	1 13	16 10	4 45	12 48	1 6	16 26	0 8	4 29	0 24	22 29	0 7	20 49	1 14	6 1	0 35	20 22	0 11	20 5	3 25	0 22	0 13	15 6	11 35	6 6
S 12	0 50	17 38	5 9	12 38	1 15	16 10	0 4	4 48	0 23	22 28	0 7	20 50	1 14	6 2	0 35	20 22	0 11	20 5	3 25	0 22	0 15	15 5	11 34	6 6
M13	0 26	18 14	5 17	12 26	1 24	15 53	0 0	5 6	0 22	22 27	0 7	20 50	1 14	6 4	0 35	20 22	0 11	20 6	3 25	0 22	0 16	15 4	11 33	6 6
T 14	0 2	18 0	5 12	12 12	1 32	15 36	0s 4	5 24	0 22	22 26	0 7	20 51	1 14	6 5	0 35	20 21	0 11	20 6	3 25	0 22	0 17	15 3	11 31	6 6
W15	0n21	16 58	4 53	11 56	1 40	15 18	0 8	5 42	0 21	22 25	0 7	20 52	1 14	6 6	0 35	20 21	0 11	20 6	3 24	0 22	0 18	15 2	11 30	6 7
T 16	0 45	15 12	4 22	11 39	1 47	15 0	0 12	5 59	0 20	22 24	0 8	20 53	1 13	6 8	0 35	20 21	0 11	20 6	3 24	0 22	0 20	15 1	11 29	6 7
F 17	1 8	12 48	3 40	11 21	1 54	14 41	0 16	6 17	0 20	22 23	0 8	20 54	1 13	6 9	0 35	20 21	0 11	20 6	3 24	0 22	0 21	15 0	11 28	6 7
S 18	1 32	9 51	2 48	11 0	2 0	14 22	0 19	6 35	0 19	22 22	0 8	20 55	1 13	6 10	0 35	20 20	0 11	20 6	3 24	0 22	0 22	14 59	11 27	6 7
S 19	1 55	6 27	1 48	10 39	2 6	14 2	0 23	6 52	0 18	22 21	0 8	20 55	1 13	6 11	0 35	20 20	0 11	20 6	3 24	0 22	0 24	14 57	11 26	6 8
M20	2 19	2 43	0 42	10 15	2 11	13 42	0 27	7 10	0 18	22 20	0 8	20 56	1 13	6 13	0 35	20 20	0 11	20 7	3 24	0 21	0 25	14 56	11 25	6 8
T 21	2 42	1n11	0s27	9 50	2 15	13 22	0 30	7 27	0 17	22 19	0 8	20 57	1 12	6 14	0 35	20 20	0 11	20 7	3 24	0 21	0 26	14 55	11 23	6 8
W22	3 6	5 6	1 36	9 24	2 20	13 1	0 34	7 45	0 16	22 18	0 8	20 58	1 12	6 15	0 35	20 19	0 11	20 7	3 23	0 22	0 27	14 54	11 22	6 9
T 23	3 29	8 51	2 41	8 57	2 23	12 40	0 37	8 2	0 16	22 17	0 9	20 59	1 12	6 17	0 35	20 19	0 11	20 7	3 23	0 22	0 29	14 53	11 21	6 9
F 24	3 52	12 14	3 39	8 28	2 26	12 19	0 40	8 19	0 15	22 16	0 9	21 0	1 12	6 18	0 35	20 19	0 11	20 7	3 23	0 22	0 30	14 52	11 20	6 9
S 25	4 15	15 2	4 25	7 57	2 29	11 57	0 44	8 36	0 15	22 15	0 9	21 1	1 12	6 19	0 35	20 19	0 11	20 7	3 23	0 23	0 31	14 51	11 19	6 10
S 26	4 39	17 4	4 58	7 25	2 30	11 35	0 47	8 53	0 14	22 15	0 9	21 2	1 11	6 21	0 35	20 19	0 11	20 7	3 23	0 24	0 32	14 50	11 18	6 10
M27	5 2	18 8	5 15	6 52	2 32	11 12	0 50	9 10	0 13	22 14	0 9	21 3	1 11	6 22	0 35	20 18	0 11	20 8	3 23	0 24	0 34	14 49	11 17	6 10
T 28	5 24	18 8	5 13	6 18	2 33	10 50	0 53	9 27	0 13	22 13	0 9	21 3	1 11	6 23	0 35	20 18	0 11	20 8	3 23	0 24	0 35	14 48	11 16	6 11
W29	5 47	17 1	4 52	5 42	2 33	10 26	0 56	9 44	0 12	22 12	0 9	21 4	1 11	6 25	0 35	20 18	0 11	20 8	3 23	0 24	0 36	14 46	11 15	6 11
T 30	6 10	14 50	4 14	5 5	2 33	10 3	0 59	10 0	0 11	22 11	0 10	21 5	1 11	6 26	0 35	20 18	0 11	20 8	3 22	0 24	0 38	14 45	11 14	6 11
F 31	6n33	11n42	3s19	4s27	2s32	9s39	1s 2	10n17	0s11	22s11	0s10	21n 6	1s10	6n27	0s35	20s18	0n11	20n 8	3s22	0n24	0n39	14s44	11s13	6n12

Julian Day Number = 2151381.5, Delta T = 14m09s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'53, Lahiri = 12°23'53 Julian Calendar 1 March 1178 == Greg. Calendar 8 March 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

APRIL 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 2 44	17♈33'01	4♍28	26♓18	8♓55	27♈43	20♑18	11♊39	17♈48	28♑53	26♊55	29♍ 2	28♍20	6♒58	12♒26	S 1
S 2	13 6 41	18°31'30	18°51	27°55	10° 5	28°27	20°24	11°45	17°51	28°54	26°56	29° 3	28°17	7° 4	12°28	S 2
M 3	13 10 37	19°29'57	3♎ 8	29°35	11°16	29°11	20°29	11°51	17°55	28°55	26°56	29°R 3	28°13	7°11	12°30	M 3
T 4	13 14 34	20°28'22	17°15	1♈16	12°27	29°54	20°35	11°57	17°58	28°56	26°57	29° 2	28°10	7°18	12°33	T 4
W 5	13 18 30	21°26'44	1♏ 7	2°59	13°37	0♉38	20°40	12° 3	18° 1	28°56	26°58	29° 0	28° 7	7°24	12°35	W 5
T 6	13 22 27	22°25'06	14°41	4°44	14°48	1°22	20°45	12° 9	18° 5	28°57	26°59	28°57	28° 4	7°31	12°37	T 6
F 7	13 26 24	23°23'25	27°54	6°30	15°59	2° 5	20°50	12°15	18° 8	28°57	26°59	28°54	28° 1	7°38	12°40	F 7
S 8	13 30 20	24°21'43	10♐48	8°18	17°10	2°48	20°55	12°21	18°12	28°58	27° 0	28°50	27°57	7°44	12°42	S 8
S 9	13 34 17	25°19'59	23°22	10° 8	18°21	3°32	20°59	12°27	18°15	28°59	27° 1	28°46	27°54	7°51	12°44	S 9
M10	13 38 13	26°18'13	5♑40	12° 0	19°32	4°15	21° 4	12°33	18°19	28°59	27° 2	28°44	27°51	7°58	12°46	M10
T 11	13 42 10	27°16'26	17°44	13°53	20°43	4°58	21° 8	12°39	18°22	29° 0	27° 3	28°42	27°48	8° 5	12°48	T 11
W12	13 46 6	28°14'38	29°39	15°48	21°54	5°42	21°12	12°46	18°25	29° 0	27° 3	28°D41	27°45	8°11	12°50	W12
T 13	13 50 3	29°12'48	11♒30	17°45	23° 5	6°25	21°16	12°52	18°29	29° 0	27° 4	28°42	27°42	8°18	12°52	T 13
F 14	13 53 59	0♉10'56	23°22	19°43	24°16	7° 8	21°20	12°58	18°32	29° 1	27° 5	28°44	27°38	8°25	12°53	F 14
S 15	13 57 56	1° 9'03	5♓20	21°43	25°27	7°51	21°23	13° 5	18°36	29° 1	27° 6	28°45	27°35	8°31	12°55	S 15
S 16	14 1 53	2° 7'08	17°27	23°45	26°38	8°34	21°27	13°11	18°39	29° 1	27° 7	28°47	27°32	8°38	12°57	S 16
M17	14 5 49	3° 5'12	29°49	25°48	27°50	9°17	21°30	13°18	18°42	29° 2	27° 8	28°R47	27°29	8°45	12°58	M17
T 18	14 9 46	4° 3'14	12♈27	27°53	29° 1	10° 0	21°33	13°25	18°46	29° 2	27° 9	28°46	27°26	8°51	13° 0	T 18
W19	14 13 42	5° 1'15	25°23	29°59	0♈12	10°43	21°36	13°31	18°49	29° 2	27°10	28°44	27°23	8°58	13° 1	W19
T 20	14 17 39	5°59'14	8♉38	2♉ 6	1°23	11°25	21°38	13°38	18°52	29° 2	27°11	28°40	27°19	9° 5	13° 3	T 20
F 21	14 21 35	6°57'12	22°10	4°15	2°35	12° 8	21°41	13°45	18°56	29° 2	27°12	28°34	27°16	9°11	13° 4	F 21
S 22	14 25 32	7°55'08	5♊58	6°24	3°46	12°51	21°43	13°52	18°59	29° 3	27°13	28°28	27°13	9°18	13° 5	S 22
S 23	14 29 28	8°53'02	19°57	8°34	4°58	13°34	21°45	13°59	19° 2	29° 3	27°14	28°22	27°10	9°25	13° 7	S 23
M24	14 33 25	9°50'55	4♋ 4	10°45	6° 9	14°16	21°47	14° 6	19° 6	29° 3	27°15	28°16	27° 7	9°31	13° 8	M24
T 25	14 37 22	10°48'46	18°15	12°56	7°21	14°59	21°49	14°13	19° 9	29°R 3	27°16	28°13	27° 3	9°38	13° 9	T 25
W26	14 41 18	11°46'35	2♌28	15° 6	8°32	15°41	21°50	14°20	19°12	29° 3	27°17	28°11	27° 0	9°45	13°10	W26
T 27	14 45 15	12°44'22	16°39	17°17	9°44	16°24	21°52	14°27	19°15	29° 3	27°18	28°D10	26°57	9°52	13°11	T 27
F 28	14 49 11	13°42'07	0♍47	19°27	10°55	17° 6	21°53	14°34	19°19	29° 2	27°19	28°11	26°54	9°58	13°12	F 28
S 29	14 53 8	14°39'51	14°50	21°36	12° 7	17°49	21°54	14°41	19°22	29° 2	27°21	28°12	26°51	10° 5	13°13	S 29
S 30	14 57 4	15♉37'33	28♍47	23♉44	13♈18	18♉31	21♑54	14♊48	19♈25	29♑ 2	27♊22	28°R13	26♍48	10♒12	13♒13	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n55	7n52	2s12	3s47	2s31	9s15	1s 4	10n33	0s10	22s10	0s10	21n 7	1s10	6n29	0s35	20s18	0n11	20n 8	3s22	0n23	0n40	14s43	11s12	6n12
S 2	7 17	3 34	0 56	3 7	2 29	8 51	1 7	10 50	0 9	22 9	0 10	21 8	1 10	6 30	0 35	20 17	0 11	20 8	3 22	0 23	0 41	14 42	11 11	6 12
M 3	7 40	0s54	0n23	2 25	2 27	8 26	1 9	11 6	0 9	22 8	0 10	21 9	1 10	6 31	0 35	20 17	0 11	20 9	3 22	0 23	0 43	14 41	11 10	6 13
T 4	8 2	5 17	1 39	1 42	2 24	8 2	1 12	11 22	0 8	22 8	0 10	21 10	1 10	6 33	0 35	20 17	0 11	20 9	3 22	0 23	0 44	14 40	11 9	6 13
W 5	8 24	9 18	2 48	0 58	2 21	7 37	1 14	11 38	0 7	22 7	0 11	21 11	1 10	6 34	0 35	20 17	0 11	20 9	3 22	0 24	0 45	14 39	11 8	6 13
T 6	8 46	12 43	3 45	0 13	2 17	7 11	1 17	11 54	0 7	22 7	0 11	21 12	1 9	6 35	0 35	20 17	0 11	20 9	3 22	0 25	0 46	14 37	11 7	6 14
F 7	9 7	15 24	4 29	0n34	2 13	6 46	1 19	12 9	0 6	22 6	0 11	21 13	1 9	6 37	0 35	20 17	0 11	20 9	3 21	0 26	0 48	14 36	11 6	6 14
S 8	9 29	17 14	4 59	1 21	2 8	6 20	1 21	12 25	0 5	22 5	0 11	21 14	1 9	6 38	0 35	20 17	0 11	20 9	3 21	0 28	0 49	14 35	11 5	6 14
S 9	9 50	18 11	5 12	2 9	2 3	5 54	1 23	12 40	0 5	22 5	0 11	21 15	1 9	6 39	0 35	20 16	0 11	20 9	3 21	0 29	0 50	14 34	11 4	6 15
M10	10 12	18 14	5 12	2 58	1 57	5 28	1 25	12 56	0 4	22 4	0 11	21 16	1 9	6 41	0 35	20 16	0 11	20 10	3 21	0 31	0 51	14 33	11 3	6 15
T 11	10 33	17 27	4 57	3 48	1 50	5 2	1 27	13 11	0 4	22 4	0 11	21 17	1 9	6 42	0 35	20 16	0 11	20 10	3 21	0 31	0 53	14 32	11 2	6 16
W12	10 54	15 55	4 29	4 39	1 43	4 35	1 29	13 26	0 3	22 3	0 12	21 18	1 8	6 43	0 35	20 16	0 11	20 10	3 21	0 31	0 54	14 31	11 1	6 16
T 13	11 15	13 43	3 51	5 31	1 36	4 9	1 30	13 41	0 2	22 3	0 12	21 19	1 8	6 44	0 35	20 16	0 11	20 10	3 21	0 31	0 55	14 29	11 0	6 16
F 14	11 35	10 55	3 2	6 23	1 28	3 42	1 32	13 56	0 2	22 2	0 12	21 20	1 8	6 46	0 35	20 16	0 11	20 10	3 21	0 31	0 57	14 28	10 59	6 17
S 15	11 56	7 40	2 5	7 16	1 20	3 15	1 34	14 10	0 1	22 2	0 12	21 21	1 8	6 47	0 35	20 16	0 11	20 10	3 20	0 30	0 58	14 27	10 59	6 17
S 16	12 16	4 2	1 2	8 9	1 11	2 48	1 35	14 25	0 0	22 2	0 12	21 22	1 8	6 48	0 35	20 16	0 11	20 10	3 20	0 29	0 59	14 26	10 58	6 18
M17	12 36	0 10	0s 6	9 3	1 2	2 21	1 37	14 39	0n 0	22 1	0 12	21 23	1 8	6 50	0 35	20 16	0 11	20 11	3 20	0 29	1 0	14 25	10 57	6 18
T 18	12 56	3n48	1 14	9 57	0 53	1 53	1 38	14 53	0 1	22 1	0 13	21 24	1 7	6 51	0 35	20 16	0 11	20 11	3 20	0 29	1 2	14 24	10 56	6 18
W19	13 15	7 41	2 20	10 51	0 43	1 26	1 39	15 8	0 2	22 1	0 13	21 25	1 7	6 52	0 35	20 16	0 11	20 11	3 20	0 30	1 3	14 23	10 55	6 19
T 20	13 34	11 17	3 20	11 44	0 33	0 59	1 40	15 22	0 2	22 0	0 13	21 25	1 7	6 53	0 35	20 16	0 11	20 11	3 20	0 32	1 4	14 21	10 55	6 19
F 21	13 54	14 22	4 10	12 38	0 23	0 31	1 41	15 35	0 3	22 0	0 13	21 26	1 7	6 55	0 35	20 16	0 11	20 11	3 20	0 34	1 5	14 20	10 54	6 19
S 22	14 13	16 42	4 46	13 31	0 12	0 3	1 42	15 49	0 3	22 0	0 13	21 27	1 7	6 56	0 35	20 16	0 11	20 11	3 20	0 37	1 7	14 19	10 53	6 20
S 23	14 31	18 4	5 6	14 23	0 2	0n24	1 43	16 3	0 4	22 0	0 13	21 28	1 7	6 57	0 35	20 16	0 11	20 11	3 19	0 39	1 8	14 18	10 52	6 20
M24	14 50	18 21	5 8	15 15	0n 9	0 52	1 44	16 16	0 5	22 0	0 14	21 29	1 7	6 58	0 35	20 16	0 11	20 12	3 19	0 41	1 9	14 17	10 52	6 21
T 25	15 8	17 29	4 51	16 6	0 19	1 20	1 45	16 29	0 5	22 0	0 14	21 30	1 6	7 0	0 35	20 16	0 11	20 12	3 19	0 43	1 10	14 15	10 51	6 21
W26	15 26	15 32	4 16	16 55	0 30	1 47	1 45	16 42	0 6	22 0	0 14	21 31	1 6	7 1	0 35	20 16	0 11	20 12	3 19	0 44	1 12	14 14	10 50	6 21
T 27	15 44	12 39	3 26	17 42	0 40	2 15	1 46	16 55	0 7	22 0	0 14	21 32	1 6	7 2	0 35	20 16	0 11	20 12	3 19	0 44	1 13	14 13	10 50	6 22
F 28	16 1	9 1	2 23	18 28	0 50	2 43	1 46	17 8	0 7	22 0	0 14	21 33	1 6	7 3	0 35	20 16	0 11	20 12	3 19	0 43	1 14	14 12	10 49	6 22
S 29	16 18	4 54	1 12	19 12	1 0	3 10	1 47	17 20	0 8	22 0	0 14	21 34	1 6	7 5	0 35	20 16	0 11	20 12	3 19	0 43	1 16	14 11	10 48	6 23
S 30	16n35	0n32	0n 3	19n54	1n 9	3n38	1s47	17n33	0n 8	22s 0	0s15	21n35	1s 6	7n 6	0s35	20s16	0n11	20n12	3s19	0n43	1n17	14s10	10s48	6n23

Julian Day Number = 2151412.5, Delta T = 14m09s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°16'57, Lahiri = 12°23'58 Julian Calendar 1 Apr. 1178 == Greg. Calendar 8 Apr. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

MAY 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 1 1	16♉35'13	12♎38	25♉51	14♈30	19♉13	21♑55	14♊55	19♈28	29°R 2	27♊23	28°R12	26♍44	10♒18	13♒14	M 1
T 2	15 4 57	17°32'52	26°19	27°56	15°42	19°55	21°55	15° 2	19°31	29♑ 2	27°24	28♍ 9	26°41	10°25	13°15	T 2
W 3	15 8 54	18°30'30	9♏48	29°59	16°53	20°37	21°56	15°10	19°34	29° 2	27°25	28° 4	26°38	10°32	13°15	W 3
T 4	15 12 51	19°28'06	23° 4	2♊ 1	18° 5	21°20	21°R56	15°17	19°38	29° 1	27°26	27°56	26°35	10°38	13°16	T 4
F 5	15 16 47	20°25'41	6♐ 6	4° 0	19°17	22° 2	21°55	15°24	19°41	29° 1	27°28	27°48	26°32	10°45	13°16	F 5
S 6	15 20 44	21°23'15	18°51	5°56	20°29	22°44	21°55	15°32	19°44	29° 1	27°29	27°38	26°28	10°52	13°17	S 6
S 7	15 24 40	22°20'47	1♑20	7°50	21°40	23°26	21°54	15°39	19°47	29° 0	27°30	27°29	26°25	10°58	13°17	S 7
M 8	15 28 37	23°18'19	13°35	9°42	22°52	24° 8	21°54	15°47	19°50	29° 0	27°31	27°21	26°22	11° 5	13°17	M 8
T 9	15 32 33	24°15'50	25°39	11°31	24° 4	24°49	21°53	15°54	19°53	28°59	27°33	27°15	26°19	11°12	13°18	T 9
W10	15 36 30	25°13'19	7♒33	13°17	25°16	25°31	21°52	16° 2	19°56	28°59	27°34	27°12	26°16	11°18	13°18	W10
T 11	15 40 26	26°10'48	19°24	15° 0	26°28	26°13	21°50	16° 9	19°59	28°58	27°35	27°10	26°13	11°25	13°18	T 11
F 12	15 44 23	27° 8'16	1♓15	16°41	27°40	26°55	21°49	16°17	20° 2	28°58	27°37	27°D10	26° 9	11°32	13°R18	F 12
S 13	15 48 20	28° 5'44	13°13	18°18	28°52	27°36	21°47	16°24	20° 4	28°57	27°38	27°10	26° 6	11°39	13°18	S 13
S 14	15 52 16	29° 3'10	25°22	19°53	0♉ 4	28°18	21°45	16°32	20° 7	28°57	27°39	27°R11	26° 3	11°45	13°18	S 14
M15	15 56 13	0♊ 0'36	7♈47	21°25	1°16	29° 0	21°43	16°40	20°10	28°56	27°41	27°10	26° 0	11°52	13°17	M15
T 16	16 0 9	0°58'01	20°33	22°54	2°28	29°41	21°41	16°47	20°13	28°56	27°42	27° 8	25°57	11°59	13°17	T 16
W17	16 4 6	1°55'25	3♉41	24°19	3°40	0♊23	21°39	16°55	20°16	28°55	27°43	27° 3	25°54	12° 5	13°17	W17
T 18	16 8 2	2°52'49	17°13	25°42	4°52	1° 4	21°36	17° 3	20°18	28°54	27°45	26°56	25°50	12°12	13°16	T 18
F 19	16 11 59	3°50'12	1♊ 7	27° 2	6° 4	1°46	21°33	17°10	20°21	28°53	27°46	26°47	25°47	12°19	13°16	F 19
S 20	16 15 55	4°47'34	15°20	28°18	7°16	2°27	21°30	17°18	20°24	28°53	27°48	26°37	25°44	12°25	13°16	S 20
S 21	16 19 52	5°44'55	29°46	29°32	8°28	3° 8	21°27	17°26	20°27	28°52	27°49	26°26	25°41	12°32	13°15	S 21
M22	16 23 49	6°42'15	14♋19	0♋42	9°41	3°50	21°24	17°33	20°29	28°51	27°50	26°17	25°38	12°39	13°14	M22
T 23	16 27 45	7°39'34	28°52	1°49	10°53	4°31	21°20	17°41	20°32	28°50	27°52	26°10	25°34	12°45	13°14	T 23
W24	16 31 42	8°36'53	13♌19	2°53	12° 5	5°12	21°16	17°49	20°34	28°49	27°53	26° 6	25°31	12°52	13°13	W24
T 25	16 35 38	9°34'10	27°36	3°53	13°17	5°53	21°13	17°57	20°37	28°48	27°55	26° 4	25°28	12°59	13°12	T 25
F 26	16 39 35	10°31'26	11♍42	4°49	14°30	6°34	21° 8	18° 5	20°39	28°48	27°56	26°D 3	25°25	13° 5	13°11	F 26
S 27	16 43 31	11°28'42	25°35	5°43	15°42	7°15	21° 4	18°12	20°42	28°47	27°57	26°R 3	25°22	13°12	13°10	S 27
S 28	16 47 28	12°25'56	9♎16	6°32	16°54	7°56	21° 0	18°20	20°44	28°46	27°59	26° 3	25°19	13°19	13° 9	S 28
M29	16 51 24	13°23'10	22°45	7°18	18° 7	8°37	20°55	18°28	20°47	28°45	28° 0	26° 1	25°15	13°25	13° 8	M29
T 30	16 55 21	14°20'23	6♏ 3	7°59	19°19	9°18	20°51	18°36	20°49	28°44	28° 2	25°56	25°12	13°32	13° 7	T 30
W31	16 59 18	15♊17'35	19♏10	8♋37	20♉31	9♊59	20♑46	18♊44	20♈51	28♑43	28♊ 3	25♍48	25♍ 9	13♒39	13♒ 6	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n52	3s50	1n17	20n34	1n18	4n 6	1s47	17n45	0n 9	22s 0	0s15	21n36	1s 6	7n 7	0s35	20s16	0n11	20n12	3s19	0n43	1n18	14s 8	10s47	6n23
T 2	17 8	7 56	2 26	21 11	1 26	4 33	1 47	17 57	0 10	22 0	0 15	21 37	1 5	7 8	0 35	20 16	0 11	20 13	3 18	0 44	1 19	14 7	10 47	6 24
W 3	17 25	11 35	3 25	21 46	1 34	5 1	1 47	18 9	0 10	22 0	0 15	21 38	1 5	7 9	0 35	20 16	0 11	20 13	3 18	0 46	1 21	14 6	10 46	6 24
T 4	17 40	14 34	4 12	22 19	1 41	5 28	1 47	18 21	0 11	22 0	0 15	21 39	1 5	7 10	0 35	20 16	0 11	20 13	3 18	0 49	1 22	14 5	10 46	6 25
F 5	17 56	16 45	4 44	22 48	1 48	5 56	1 47	18 32	0 11	22 0	0 16	21 40	1 5	7 12	0 35	20 16	0 11	20 13	3 18	0 53	1 23	14 4	10 45	6 25
S 6	18 11	18 3	5 2	23 16	1 54	6 23	1 47	18 44	0 12	22 1	0 16	21 41	1 5	7 13	0 35	20 16	0 11	20 13	3 18	0 57	1 24	14 2	10 44	6 26
S 7	18 26	18 27	5 5	23 40	1 59	6 50	1 47	18 55	0 13	22 1	0 16	21 42	1 5	7 14	0 35	20 16	0 11	20 13	3 18	1 0	1 26	14 1	10 44	6 26
M 8	18 41	17 58	4 54	24 2	2 3	7 17	1 46	19 6	0 13	22 1	0 16	21 42	1 5	7 15	0 35	20 16	0 11	20 13	3 18	1 3	1 27	14 0	10 44	6 26
T 9	18 55	16 41	4 29	24 21	2 7	7 44	1 46	19 17	0 14	22 1	0 16	21 43	1 5	7 16	0 35	20 16	0 11	20 13	3 18	1 6	1 28	13 59	10 43	6 27
W10	19 9	14 42	3 54	24 38	2 10	8 11	1 45	19 28	0 14	22 2	0 16	21 44	1 4	7 17	0 35	20 17	0 11	20 14	3 18	1 7	1 30	13 58	10 43	6 27
T 11	19 23	12 5	3 8	24 53	2 12	8 37	1 45	19 38	0 15	22 2	0 17	21 45	1 4	7 18	0 35	20 17	0 11	20 14	3 18	1 8	1 31	13 56	10 42	6 28
F 12	19 36	8 59	2 14	25 5	2 13	9 4	1 44	19 48	0 16	22 3	0 17	21 46	1 4	7 19	0 35	20 17	0 11	20 14	3 17	1 8	1 32	13 55	10 42	6 28
S 13	19 49	5 29	1 14	25 15	2 14	9 30	1 44	19 59	0 16	22 3	0 17	21 47	1 4	7 21	0 35	20 17	0 11	20 14	3 17	1 8	1 33	13 54	10 42	6 28
S 14	20 2	1 42	0 10	25 22	2 13	9 56	1 43	20 9	0 17	22 4	0 17	21 48	1 4	7 22	0 35	20 17	0 11	20 14	3 17	1 8	1 35	13 53	10 41	6 29
M15	20 14	2n14	0s56	25 28	2 12	10 22	1 42	20 18	0 17	22 4	0 17	21 49	1 4	7 23	0 35	20 17	0 11	20 14	3 17	1 8	1 36	13 51	10 41	6 29
T 16	20 26	6 11	2 1	25 31	2 11	10 48	1 41	20 28	0 18	22 5	0 18	21 50	1 4	7 24	0 35	20 17	0 11	20 14	3 17	1 9	1 37	13 50	10 41	6 30
W17	20 38	9 57	3 2	25 33	2 8	11 13	1 40	20 37	0 19	22 5	0 18	21 50	1 4	7 25	0 35	20 17	0 11	20 14	3 17	1 11	1 38	13 49	10 40	6 30
T 18	20 50	13 19	3 54	25 33	2 5	11 39	1 39	20 47	0 19	22 6	0 18	21 51	1 4	7 26	0 35	20 18	0 11	20 15	3 17	1 13	1 40	13 48	10 40	6 30
F 19	21 1	16 1	4 33	25 31	2 0	12 4	1 38	20 56	0 20	22 6	0 18	21 52	1 3	7 27	0 35	20 18	0 11	20 15	3 17	1 17	1 41	13 47	10 40	6 31
S 20	21 11	17 49	4 57	25 27	1 55	12 29	1 37	21 4	0 20	22 7	0 18	21 53	1 3	7 28	0 35	20 18	0 11	20 15	3 17	1 21	1 42	13 45	10 39	6 31
S 21	21 21	18 31	5 2	25 22	1 50	12 53	1 35	21 13	0 21	22 8	0 18	21 54	1 3	7 29	0 35	20 18	0 11	20 15	3 17	1 25	1 43	13 44	10 39	6 32
M22	21 31	18 0	4 48	25 16	1 43	13 17	1 34	21 22	0 22	22 8	0 19	21 55	1 3	7 30	0 35	20 18	0 11	20 15	3 17	1 29	1 45	13 43	10 39	6 32
T 23	21 41	16 19	4 15	25 8	1 36	13 41	1 33	21 30	0 22	22 9	0 19	21 55	1 3	7 31	0 35	20 18	0 11	20 15	3 17	1 32	1 46	13 42	10 39	6 32
W24	21 50	13 36	3 26	24 59	1 28	14 5	1 31	21 38	0 23	22 10	0 19	21 56	1 3	7 32	0 35	20 19	0 11	20 15	3 16	1 33	1 47	13 40	10 39	6 33
T 25	21 59	10 5	2 25	24 49	1 20	14 28	1 30	21 46	0 23	22 11	0 19	21 57	1 3	7 33	0 35	20 19	0 11	20 15	3 16	1 34	1 48	13 39	10 39	6 33
F 26	22 7	6 3	1 15	24 37	1 10	14 51	1 28	21 54	0 24	22 12	0 19	21 58	1 3	7 34	0 35	20 19	0 11	20 15	3 16	1 35	1 50	13 38	10 38	6 33
S 27	22 15	1 44	0 3	24 25	1 0	15 14	1 27	22 1	0 24	22 12	0 20	21 59	1 3	7 35	0 35	20 19	0 11	20 15	3 16	1 34	1 51	13 37	10 38	6 34
S 28	22 23	2s37	1n 9	24 12	0 49	15 36	1 25	22 8	0 25	22 13	0 20	21 59	1 3	7 35	0 35	20 19	0 11	20 16	3 16	1 35	1 52	13 35	10 38	6 34
M29	22 30	6 47	2 16	23 58	0 38	15 58	1 23	22 15	0 26	22 14	0 20	22 0	1 3	7 36	0 35	20 20	0 11	20 16	3 16	1 36	1 54	13 34	10 38	6 35
T 30	22 37	10 32	3 15	23 44	0 26	16 19	1 22	22 22	0 26	22 15	0 20	22 1	1 2	7 37	0 35	20 20	0 11	20 16	3 16	1 37	1 55	13 33	10 38	6 35
W31	22n44	13s43	4n 2	23n29	0n13	16n41	1s20	22n29	0n27	22s16	0s20	22n 2	1s 2	7n38	0s35	20s20	0n11	20n16	3s16	1n41	1n56	13s32	10s38	6n35

Julian Day Number = 2151442.5, Delta T = 14m09s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'01, Lahiri = 12°24'02 Julian Calendar 1 May 1178 == Greg. Calendar 8 May 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

JUNE 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 3 14	16♊14'47	2♐ 5	9♋11	21♉44	10♊40	20°R41	18♊51	20♈54	28°R41	28♊ 5	25°R38	25♍ 6	13♒45	13°R 5	T 1
F 2	17 7 11	17°11'58	14°49	9°40	22°56	11°21	20♑36	18°59	20°56	28♑40	28° 6	25♍26	25° 3	13°52	13♒ 3	F 2
S 3	17 11 7	18° 9'09	27°21	10° 6	24° 9	12° 1	20°30	19° 7	20°58	28°39	28° 8	25°13	25° 0	13°59	13° 2	S 3
S 4	17 15 4	19° 6'19	9♑40	10°26	25°21	12°42	20°25	19°15	21° 0	28°38	28° 9	25° 0	24°56	14° 6	13° 0	S 4
M 5	17 19 0	20° 3'29	21°48	10°43	26°34	13°23	20°19	19°23	21° 3	28°37	28°11	24°49	24°53	14°12	12°59	M 5
T 6	17 22 57	21° 0'40	3♒47	10°55	27°46	14° 3	20°14	19°31	21° 5	28°36	28°12	24°40	24°50	14°19	12°57	T 6
W 7	17 26 53	21°57'50	15°39	11° 2	28°59	14°44	20° 8	19°39	21° 7	28°35	28°14	24°33	24°47	14°26	12°56	W 7
T 8	17 30 50	22°54'59	27°28	11°R 5	0♊11	15°24	20° 2	19°46	21° 9	28°33	28°15	24°29	24°44	14°32	12°54	T 8
F 9	17 34 47	23°52'09	9♓18	11° 3	1°24	16° 5	19°56	19°54	21°11	28°32	28°17	24°27	24°40	14°39	12°53	F 9
S 10	17 38 43	24°49'19	21°15	10°56	2°37	16°45	19°50	20° 2	21°13	28°31	28°18	24°27	24°37	14°46	12°51	S 10
S 11	17 42 40	25°46'29	3♈23	10°45	3°49	17°26	19°43	20°10	21°15	28°30	28°20	24°27	24°34	14°52	12°49	S 11
M12	17 46 36	26°43'40	15°48	10°30	5° 2	18° 6	19°37	20°18	21°16	28°28	28°21	24°26	24°31	14°59	12°47	M12
T 13	17 50 33	27°40'50	28°34	10°11	6°15	18°46	19°30	20°25	21°18	28°27	28°23	24°23	24°28	15° 6	12°45	T 13
W14	17 54 29	28°38'01	11♉46	9°47	7°27	19°27	19°24	20°33	21°20	28°26	28°24	24°19	24°25	15°12	12°43	W14
T 15	17 58 26	29°35'12	25°26	9°21	8°40	20° 7	19°17	20°41	21°22	28°24	28°26	24°11	24°21	15°19	12°41	T 15
F 16	18 2 22	0♋32'23	9♊33	8°51	9°53	20°47	19°10	20°49	21°23	28°23	28°27	24° 1	24°18	15°26	12°39	F 16
S 17	18 6 19	1°29'34	24° 3	8°18	11° 6	21°27	19° 3	20°57	21°25	28°21	28°29	23°50	24°15	15°32	12°37	S 17
S 18	18 10 16	2°26'46	8♋51	7°43	12°19	22° 7	18°56	21° 4	21°27	28°20	28°30	23°39	24°12	15°39	12°35	S 18
M19	18 14 12	3°23'58	23°46	7° 6	13°32	22°47	18°49	21°12	21°28	28°19	28°32	23°30	24° 9	15°46	12°33	M19
T 20	18 18 9	4°21'09	8♌42	6°29	14°45	23°27	18°41	21°20	21°30	28°17	28°33	23°22	24° 6	15°52	12°30	T 20
W21	18 22 5	5°18'21	23°29	5°50	15°57	24° 7	18°34	21°28	21°31	28°16	28°35	23°17	24° 2	15°59	12°28	W21
T 22	18 26 2	6°15'32	8♍ 1	5°12	17°10	24°47	18°27	21°35	21°33	28°14	28°36	23°14	23°59	16° 6	12°26	T 22
F 23	18 29 58	7°12'44	22°14	4°35	18°23	25°27	18°19	21°43	21°34	28°13	28°38	23°D14	23°56	16°12	12°23	F 23
S 24	18 33 55	8° 9'55	6♎ 9	4° 0	19°36	26° 7	18°12	21°51	21°36	28°11	28°39	23°R14	23°53	16°19	12°21	S 24
S 25	18 37 51	9° 7'07	19°44	3°26	20°49	26°47	18° 4	21°58	21°37	28°10	28°41	23°14	23°50	16°26	12°19	S 25
M26	18 41 48	10° 4'18	3♏ 2	2°55	22° 3	27°27	17°57	22° 6	21°38	28° 8	28°42	23°12	23°46	16°32	12°16	M26
T 27	18 45 45	11° 1'30	16° 5	2°28	23°16	28° 7	17°49	22°13	21°39	28° 7	28°44	23° 7	23°43	16°39	12°14	T 27
W28	18 49 41	11°58'42	28°55	2° 4	24°29	28°46	17°41	22°21	21°40	28° 5	28°45	23° 0	23°40	16°46	12°11	W28
T 29	18 53 38	12°55'54	11♐32	1°45	25°42	29°26	17°34	22°28	21°42	28° 4	28°47	22°51	23°37	16°52	12° 8	T 29
F 30	18 57 34	13♋53'06	23♐59	1♋30	26♊55	0♋ 6	17♑26	22♊36	21♈43	28♑ 2	28♊48	22♍40	23♍34	16♒59	12♒ 6	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n50	16s10	4n36	23n14	0n 0	17n 1	1s18	22n35	0n27	22s17	0s21	22n 2	1s 2	7n39	0s35	20s20	0n11	20n16	3s16	1n45	1n57	13s30	10s38	6n36
F 2	22 55	17 47	4 55	22 58	0s14	17 22	1 16	22 42	0 28	22 18	0 21	22 3	1 2	7 40	0 35	20 21	0 11	20 16	3 16	1 49	1 59	13 29	10 38	6 36
S 3	23 1	18 31	5 0	22 42	0 28	17 42	1 14	22 48	0 28	22 19	0 21	22 4	1 2	7 41	0 35	20 21	0 11	20 16	3 16	1 55	2 0	13 28	10 38	6 36
S 4	23 6	18 21	4 51	22 25	0 43	18 1	1 12	22 54	0 29	22 20	0 21	22 5	1 2	7 41	0 35	20 21	0 11	20 16	3 16	2 0	2 1	13 27	10 38	6 37
M 5	23 10	17 21	4 28	22 9	0 58	18 20	1 10	22 59	0 29	22 21	0 21	22 5	1 2	7 42	0 35	20 21	0 11	20 16	3 16	2 4	2 2	13 25	10 38	6 37
T 6	23 14	15 36	3 54	21 52	1 13	18 39	1 8	23 5	0 30	22 22	0 21	22 6	1 2	7 43	0 35	20 21	0 11	20 16	3 15	2 8	2 4	13 24	10 38	6 37
W 7	23 18	13 11	3 10	21 36	1 29	18 57	1 6	23 10	0 31	22 23	0 22	22 7	1 2	7 44	0 35	20 22	0 11	20 16	3 15	2 10	2 5	13 23	10 39	6 38
T 8	23 21	10 15	2 18	21 20	1 45	19 14	1 4	23 15	0 31	22 24	0 22	22 7	1 2	7 44	0 35	20 22	0 11	20 17	3 15	2 12	2 6	13 22	10 39	6 38
F 9	23 24	6 53	1 19	21 4	2 1	19 32	1 2	23 20	0 32	22 25	0 22	22 8	1 2	7 45	0 35	20 22	0 11	20 17	3 15	2 13	2 7	13 20	10 39	6 38
S 10	23 26	3 13	0 17	20 49	2 17	19 48	0 59	23 25	0 32	22 26	0 22	22 9	1 2	7 46	0 35	20 23	0 11	20 17	3 15	2 13	2 9	13 19	10 39	6 39
S 11	23 29	0n38	0s47	20 34	2 33	20 4	0 57	23 29	0 33	22 27	0 22	22 9	1 1	7 47	0 35	20 23	0 11	20 17	3 15	2 13	2 10	13 18	10 39	6 39
M12	23 30	4 32	1 51	20 19	2 49	20 20	0 55	23 34	0 33	22 28	0 22	22 10	1 1	7 47	0 35	20 23	0 11	20 17	3 15	2 13	2 11	13 16	10 39	6 39
T 13	23 31	8 22	2 50	20 6	3 4	20 35	0 52	23 38	0 34	22 30	0 23	22 11	1 1	7 48	0 35	20 23	0 11	20 17	3 15	2 14	2 13	13 15	10 40	6 40
W14	23 32	11 54	3 43	19 53	3 19	20 49	0 50	23 41	0 34	22 31	0 23	22 11	1 1	7 49	0 35	20 24	0 11	20 17	3 15	2 16	2 14	13 14	10 40	6 40
T 15	23 33	14 55	4 24	19 40	3 33	21 3	0 48	23 45	0 35	22 32	0 23	22 12	1 1	7 49	0 35	20 24	0 11	20 17	3 15	2 19	2 15	13 13	10 40	6 40
F 16	23 33	17 10	4 52	19 29	3 46	21 17	0 45	23 49	0 35	22 33	0 23	22 12	1 1	7 50	0 35	20 24	0 11	20 17	3 15	2 23	2 16	13 11	10 40	6 41
S 17	23 32	18 24	5 1	19 19	3 58	21 30	0 43	23 52	0 36	22 34	0 23	22 13	1 1	7 50	0 35	20 24	0 10	20 17	3 15	2 27	2 18	13 10	10 41	6 41
S 18	23 31	18 25	4 51	19 10	4 10	21 42	0 41	23 55	0 36	22 35	0 24	22 14	1 1	7 51	0 35	20 25	0 10	20 17	3 15	2 32	2 19	13 9	10 41	6 41
M19	23 30	17 10	4 20	19 2	4 19	21 53	0 38	23 58	0 37	22 36	0 24	22 14	1 1	7 52	0 35	20 25	0 10	20 17	3 15	2 36	2 20	13 7	10 41	6 41
T 20	23 28	14 45	3 33	18 55	4 28	22 5	0 36	24 0	0 37	22 38	0 24	22 15	1 1	7 52	0 36	20 25	0 10	20 17	3 15	2 39	2 21	13 6	10 42	6 42
W21	23 26	11 23	2 31	18 50	4 35	22 15	0 33	24 3	0 38	22 39	0 24	22 15	1 1	7 53	0 36	20 26	0 10	20 17	3 15	2 41	2 23	13 5	10 42	6 42
T 22	23 24	7 22	1 20	18 46	4 41	22 25	0 31	24 5	0 39	22 40	0 24	22 16	1 1	7 53	0 36	20 26	0 10	20 18	3 15	2 42	2 24	13 4	10 42	6 42
F 23	23 21	3 1	0 5	18 43	4 45	22 34	0 28	24 7	0 39	22 41	0 24	22 16	1 1	7 54	0 36	20 26	0 10	20 18	3 15	2 42	2 25	13 2	10 43	6 42
S 24	23 17	1s25	1n 8	18 42	4 47	22 42	0 26	24 9	0 40	22 42	0 25	22 17	1 1	7 54	0 36	20 27	0 10	20 18	3 15	2 42	2 26	13 1	10 43	6 43
S 25	23 14	5 39	2 16	18 42	4 48	22 50	0 23	24 10	0 40	22 44	0 25	22 17	1 1	7 55	0 36	20 27	0 10	20 18	3 14	2 42	2 28	13 0	10 44	6 43
M26	23 10	9 32	3 15	18 44	4 47	22 58	0 21	24 12	0 41	22 45	0 25	22 18	1 1	7 55	0 36	20 27	0 10	20 18	3 14	2 43	2 29	12 58	10 44	6 43
T 27	23 5	12 52	4 2	18 47	4 44	23 4	0 18	24 13	0 41	22 46	0 25	22 18	1 1	7 55	0 36	20 28	0 10	20 18	3 14	2 44	2 30	12 57	10 45	6 43
W28	23 0	15 30	4 36	18 51	4 40	23 10	0 16	24 14	0 42	22 47	0 25	22 19	1 0	7 56	0 36	20 28	0 10	20 18	3 14	2 47	2 31	12 56	10 45	6 44
T 29	22 55	17 22	4 56	18 57	4 35	23 15	0 13	24 15	0 42	22 48	0 25	22 19	1 0	7 56	0 36	20 28	0 10	20 18	3 14	2 51	2 33	12 54	10 46	6 44
F 30	22n49	18s23	5n 2	19n 4	4s28	23n20	0s10	24n15	0n43	22s49	0s25	22n20	1s 0	7n57	0s36	20s29	0n10	20n18	3s14	2n55	2n34	12s53	10s46	6n44

Julian Day Number = 2151473.5, Delta T = 14m09s
Ecliptic obliquity = 23°32'35, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'05, Lahiri = 12°24'06 Julian Calendar 1 June 1178 == Greg. Calendar 8 June 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

JULY 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 31	14♋50'19	6♉16	1°R21	28♊ 8	0♋45	17°R18	22♊43	21♈44	28°R 0	28♊49	22°R28	23♍31	17♒ 6	12°R 3	S 1
S 2	19 5 27	15°47'33	18°24	1°D16	29°22	1°25	17♉11	22°51	21°45	27♉59	28°51	22♍16	23°27	17°12	12♒ 0	S 2
M 3	19 9 24	16°44'47	0♒24	1♋17	0♋35	2° 4	17° 3	22°58	21°46	27°57	28°52	22° 6	23°24	17°19	11°57	M 3
T 4	19 13 20	17°42'02	12°18	1°24	1°48	2°44	16°55	23° 6	21°46	27°56	28°54	21°57	23°21	17°26	11°55	T 4
W 5	19 17 17	18°39'17	24° 7	1°37	3° 1	3°23	16°47	23°13	21°47	27°54	28°55	21°51	23°18	17°32	11°52	W 5
T 6	19 21 14	19°36'33	5♓55	1°55	4°15	4° 3	16°40	23°20	21°48	27°53	28°57	21°48	23°15	17°39	11°49	T 6
F 7	19 25 10	20°33'50	17°44	2°20	5°28	4°42	16°32	23°28	21°49	27°51	28°58	21°D46	23°12	17°46	11°46	F 7
S 8	19 29 7	21°31'08	29°40	2°50	6°42	5°21	16°24	23°35	21°49	27°49	28°59	21°46	23° 8	17°52	11°43	S 8
S 9	19 33 3	22°28'27	11♈47	3°27	7°55	6° 1	16°16	23°42	21°50	27°48	29° 1	21°47	23° 5	17°59	11°40	S 9
M10	19 37 0	23°25'47	24°10	4° 9	9° 8	6°40	16° 9	23°49	21°51	27°46	29° 2	21°R48	23° 2	18° 6	11°37	M10
T 11	19 40 56	24°23'08	6♉55	4°58	10°22	7°19	16° 1	23°57	21°51	27°44	29° 4	21°47	22°59	18°12	11°34	T 11
W12	19 44 53	25°20'31	20° 4	5°52	11°36	7°58	15°54	24° 4	21°52	27°43	29° 5	21°44	22°56	18°19	11°31	W12
T 13	19 48 49	26°17'54	3♊43	6°51	12°49	8°38	15°46	24°11	21°52	27°41	29° 6	21°39	22°52	18°26	11°28	T 13
F 14	19 52 46	27°15'19	17°50	7°57	14° 3	9°17	15°39	24°18	21°53	27°40	29° 8	21°33	22°49	18°32	11°25	F 14
S 15	19 56 43	28°12'45	2♋24	9° 8	15°16	9°56	15°31	24°25	21°53	27°38	29° 9	21°25	22°46	18°39	11°22	S 15
S 16	20 0 39	29°10'12	17°20	10°24	16°30	10°35	15°24	24°32	21°53	27°36	29°10	21°17	22°43	18°46	11°19	S 16
M17	20 4 36	0♌ 7'40	2♌28	11°45	17°44	11°14	15°17	24°39	21°53	27°35	29°12	21°10	22°40	18°53	11°16	M17
T 18	20 8 32	1° 5'09	17°39	13°11	18°57	11°53	15° 9	24°46	21°54	27°33	29°13	21° 4	22°37	18°59	11°13	T 18
W19	20 12 29	2° 2'39	2♍43	14°42	20°11	12°32	15° 2	24°52	21°54	27°31	29°14	21° 1	22°33	19° 6	11°10	W19
T 20	20 16 25	3° 0'10	17°32	16°17	21°25	13°11	14°55	24°59	21°54	27°30	29°16	21°D 0	22°30	19°13	11° 7	T 20
F 21	20 20 22	3°57'42	2♎ 0	17°57	22°39	13°50	14°48	25° 6	21°R54	27°28	29°17	21° 0	22°27	19°19	11° 4	F 21
S 22	20 24 18	4°55'14	16° 3	19°40	23°53	14°29	14°41	25°13	21°54	27°27	29°18	21° 1	22°24	19°26	11° 0	S 22
S 23	20 28 15	5°52'48	29°43	21°27	25° 6	15° 7	14°35	25°19	21°54	27°25	29°19	21°R 2	22°21	19°33	10°57	S 23
M24	20 32 12	6°50'22	13♏ 0	23°17	26°20	15°46	14°28	25°26	21°54	27°23	29°21	21° 2	22°18	19°39	10°54	M24
T 25	20 36 8	7°47'58	25°57	25° 9	27°34	16°25	14°21	25°32	21°54	27°22	29°22	21° 0	22°14	19°46	10°51	T 25
W26	20 40 5	8°45'34	8♐37	27° 4	28°48	17° 4	14°15	25°39	21°53	27°20	29°23	20°57	22°11	19°53	10°48	W26
T 27	20 44 1	9°43'11	21° 3	29° 1	0♌ 2	17°42	14° 9	25°45	21°53	27°19	29°24	20°52	22° 8	19°59	10°45	T 27
F 28	20 47 58	10°40'50	3♑17	1♌ 0	1°16	18°21	14° 2	25°51	21°53	27°17	29°26	20°45	22° 5	20° 6	10°41	F 28
S 29	20 51 54	11°38'30	15°23	2°59	2°30	19° 0	13°56	25°58	21°53	27°15	29°27	20°38	22° 2	20°13	10°38	S 29
S 30	20 55 51	12°36'11	27°21	5° 0	3°44	19°38	13°50	26° 4	21°52	27°14	29°28	20°31	21°58	20°19	10°35	S 30
M31	20 59 47	13♌33'53	9♒14	7♌ 1	4♌58	20♋17	13♑45	26♊10	21♈52	27♉12	29♊29	20♍25	21♍55	20♒26	10♒32	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n43	18s30	4n54	19n12	4s20	23n24	0s 8	24n16	0n43	22s50	0s26	22n20	1s 0	7n57	0s36	20s29	0n10	20n18	3s14	3n 0	2n35	12s52	10s47	6n44
S 2	22 36	17 47	4 32	19 22	4 11	23 27	0 5	24 16	0 44	22 52	0 26	22 21	1 0	7 57	0 36	20 29	0 10	20 18	3 14	3 5	2 37	12 50	10 47	6 44
M 3	22 29	16 16	3 58	19 32	4 0	23 30	0 3	24 16	0 44	22 53	0 26	22 21	1 0	7 58	0 36	20 30	0 10	20 18	3 14	3 9	2 38	12 49	10 48	6 45
T 4	22 22	14 5	3 14	19 43	3 49	23 31	0 0	24 16	0 45	22 54	0 26	22 22	1 0	7 58	0 36	20 30	0 10	20 18	3 14	3 12	2 39	12 48	10 48	6 45
W 5	22 14	11 18	2 22	19 55	3 37	23 33	0n 2	24 15	0 45	22 55	0 26	22 22	1 0	7 58	0 36	20 30	0 10	20 18	3 14	3 15	2 40	12 46	10 49	6 45
T 6	22 6	8 5	1 24	20 8	3 24	23 33	0 5	24 14	0 46	22 56	0 26	22 22	1 0	7 59	0 36	20 30	0 10	20 18	3 14	3 16	2 42	12 45	10 50	6 45
F 7	21 58	4 32	0 22	20 21	3 11	23 33	0 7	24 14	0 46	22 57	0 26	22 23	1 0	7 59	0 36	20 31	0 10	20 18	3 14	3 17	2 43	12 44	10 50	6 45
S 8	21 49	0 47	0s42	20 34	2 57	23 32	0 10	24 13	0 47	22 58	0 27	22 23	1 0	7 59	0 36	20 31	0 10	20 18	3 14	3 17	2 44	12 42	10 51	6 45
S 9	21 40	3n 4	1 45	20 48	2 42	23 30	0 12	24 11	0 47	22 59	0 27	22 24	1 0	7 59	0 36	20 31	0 10	20 18	3 14	3 16	2 45	12 41	10 52	6 45
M10	21 30	6 52	2 45	21 1	2 27	23 28	0 14	24 10	0 48	23 0	0 27	22 24	1 0	7 59	0 36	20 32	0 10	20 18	3 14	3 16	2 47	12 40	10 52	6 46
T 11	21 20	10 27	3 38	21 15	2 13	23 25	0 17	24 8	0 48	23 1	0 27	22 24	1 0	8 0	0 36	20 32	0 10	20 18	3 14	3 16	2 48	12 38	10 53	6 46
W12	21 10	13 38	4 21	21 27	1 57	23 21	0 19	24 7	0 49	23 3	0 27	22 25	1 0	8 0	0 36	20 32	0 10	20 18	3 14	3 18	2 49	12 37	10 54	6 46
T 13	20 59	16 12	4 52	21 40	1 42	23 17	0 22	24 5	0 49	23 4	0 27	22 25	1 0	8 0	0 36	20 33	0 10	20 19	3 14	3 19	2 50	12 36	10 54	6 46
F 14	20 48	17 54	5 6	21 51	1 27	23 12	0 24	24 2	0 49	23 5	0 27	22 25	1 0	8 0	0 36	20 33	0 10	20 19	3 14	3 22	2 52	12 34	10 55	6 46
S 15	20 37	18 30	5 1	22 2	1 12	23 6	0 26	24 0	0 50	23 6	0 28	22 26	1 0	8 0	0 36	20 33	0 10	20 19	3 14	3 25	2 53	12 33	10 56	6 46
S 16	20 25	17 51	4 36	22 11	0 57	23 0	0 29	23 57	0 50	23 6	0 28	22 26	1 0	8 0	0 36	20 34	0 10	20 19	3 14	3 28	2 54	12 32	10 57	6 46
M17	20 13	15 57	3 51	22 19	0 43	22 52	0 31	23 55	0 51	23 7	0 28	22 26	1 0	8 0	0 36	20 34	0 10	20 19	3 14	3 31	2 55	12 30	10 57	6 46
T 18	20 0	12 55	2 50	22 25	0 29	22 45	0 33	23 52	0 51	23 8	0 28	22 27	1 0	8 0	0 36	20 35	0 10	20 19	3 14	3 33	2 57	12 29	10 58	6 46
W19	19 47	9 2	1 37	22 29	0 15	22 36	0 35	23 49	0 52	23 9	0 28	22 27	1 0	8 0	0 36	20 35	0 10	20 19	3 14	3 35	2 58	12 28	10 59	6 46
T 20	19 34	4 40	0 19	22 31	0 2	22 27	0 38	23 45	0 52	23 10	0 28	22 27	1 0	8 0	0 36	20 35	0 10	20 19	3 14	3 35	2 59	12 26	11 0	6 46
F 21	19 21	0 6	0n59	22 31	0n11	22 17	0 40	23 42	0 53	23 11	0 28	22 27	1 0	8 0	0 36	20 35	0 10	20 19	3 14	3 35	3 0	12 25	11 1	6 46
S 22	19 7	4s19	2 11	22 28	0 23	22 7	0 42	23 38	0 53	23 12	0 28	22 28	1 0	8 0	0 36	20 36	0 10	20 19	3 14	3 34	3 2	12 24	11 1	6 46
S 23	18 53	8 24	3 14	22 23	0 34	21 55	0 44	23 34	0 54	23 13	0 28	22 28	1 0	8 0	0 36	20 36	0 10	20 19	3 14	3 34	3 3	12 22	11 2	6 46
M24	18 39	11 55	4 4	22 16	0 45	21 44	0 46	23 30	0 54	23 14	0 29	22 28	1 0	8 0	0 36	20 36	0 10	20 19	3 14	3 34	3 4	12 21	11 3	6 46
T 25	18 24	14 47	4 41	22 5	0 54	21 31	0 48	23 26	0 55	23 14	0 29	22 28	1 0	8 0	0 36	20 37	0 10	20 19	3 14	3 35	3 6	12 19	11 4	6 46
W26	18 9	16 51	5 3	21 52	1 3	21 18	0 50	23 22	0 55	23 15	0 29	22 29	1 0	8 0	0 36	20 37	0 10	20 19	3 14	3 36	3 7	12 18	11 5	6 46
T 27	17 54	18 5	5 10	21 37	1 11	21 4	0 52	23 17	0 56	23 16	0 29	22 29	1 0	8 0	0 36	20 37	0 10	20 19	3 14	3 38	3 8	12 17	11 5	6 46
F 28	17 38	18 28	5 2	21 18	1 19	20 50	0 54	23 12	0 56	23 17	0 29	22 29	1 0	8 0	0 36	20 38	0 10	20 19	3 14	3 41	3 9	12 15	11 6	6 46
S 29	17 22	17 59	4 42	20 57	1 25	20 35	0 56	23 7	0 56	23 17	0 29	22 29	1 0	8 0	0 36	20 38	0 10	20 19	3 14	3 44	3 11	12 14	11 7	6 46
S 30	17 6	16 43	4 9	20 34	1 30	20 20	0 57	23 2	0 57	23 18	0 29	22 29	1 0	8 0	0 36	20 38	0 10	20 19	3 14	3 46	3 12	12 13	11 8	6 46
M31	16n49	14s44	3n25	20n 8	1n35	20n 4	0n59	22n57	0n57	23s19	0s29	22n30	1s 0	7n59	0s37	20s39	0n10	20n19	3s14	3n49	3n13	12s11	11s 9	6n46

Julian Day Number = 2151503.5, Delta T = 14m09s
Ecliptic obliquity = 23°32'35, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'10, Lahiri = 12°24'10 Julian Calendar 1 July 1178 == Greg. Calendar 8 July 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

AUGUST 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 3 44	14♌31'37	21♒ 4	9♌ 2	6♌12	20♋55	13°R39	26♊16	21°R51	27°R11	29♊30	20°R20	21♍52	20♒33	10°R29	T 1
W 2	21 7 41	15°29'22	2♓53	11° 3	7°26	21°34	13♑33	26°22	21♈51	27♑ 9	29°31	20♍17	21°49	20°39	10♒26	W 2
T 3	21 11 37	16°27'08	14°42	13° 4	8°40	22°12	13°28	26°28	21°50	27° 8	29°32	20°D16	21°46	20°46	10°22	T 3
F 4	21 15 34	17°24'56	26°35	15° 4	9°55	22°51	13°23	26°34	21°49	27° 6	29°33	20°16	21°43	20°53	10°19	F 4
S 5	21 19 30	18°22'46	8♈34	17° 4	11° 9	23°29	13°18	26°40	21°49	27° 5	29°34	20°17	21°39	20°59	10°16	S 5
S 6	21 23 27	19°20'38	20°44	19° 3	12°23	24° 7	13°13	26°46	21°48	27° 3	29°36	20°18	21°36	21° 6	10°13	S 6
M 7	21 27 23	20°18'31	3♉ 9	21° 1	13°37	24°46	13° 8	26°52	21°47	27° 2	29°37	20°20	21°33	21°13	10°10	M 7
T 8	21 31 20	21°16'26	15°52	22°58	14°52	25°24	13° 3	26°57	21°46	27° 0	29°38	20°R21	21°30	21°19	10° 7	T 8
W 9	21 35 16	22°14'24	28°58	24°54	16° 6	26° 2	12°59	27° 3	21°46	26°59	29°39	20°21	21°27	21°26	10° 4	W 9
T 10	21 39 13	23°12'23	12♊30	26°49	17°20	26°41	12°54	27° 8	21°45	26°57	29°40	20°20	21°23	21°32	10° 1	T 10
F 11	21 43 10	24°10'24	26°28	28°42	18°35	27°19	12°50	27°14	21°44	26°56	29°41	20°17	21°20	21°39	9°58	F 11
S 12	21 47 6	25° 8'27	10♋54	0♍35	19°49	27°57	12°46	27°19	21°43	26°55	29°41	20°14	21°17	21°46	9°55	S 12
S 13	21 51 3	26° 6'32	25°42	2°26	21° 3	28°35	12°43	27°25	21°42	26°53	29°42	20°11	21°14	21°52	9°52	S 13
M14	21 54 59	27° 4'39	10♌48	4°16	22°18	29°13	12°39	27°30	21°41	26°52	29°43	20° 8	21°11	21°59	9°49	M14
T 15	21 58 56	28° 2'47	26° 0	6° 5	23°32	29°51	12°35	27°35	21°39	26°51	29°44	20° 6	21° 8	22° 6	9°46	T 15
W16	22 2 52	29° 0'57	11♍11	7°53	24°47	0♌29	12°32	27°40	21°38	26°49	29°45	20° 5	21° 4	22°12	9°43	W16
T 17	22 6 49	29°59'09	26°10	9°39	26° 1	1° 7	12°29	27°45	21°37	26°48	29°46	20°D 4	21° 1	22°19	9°40	T 17
F 18	22 10 45	0♍57'23	10♎49	11°24	27°16	1°45	12°26	27°50	21°36	26°47	29°47	20° 5	20°58	22°26	9°37	F 18
S 19	22 14 42	1°55'38	25° 5	13° 8	28°30	2°23	12°24	27°55	21°34	26°45	29°48	20° 6	20°55	22°32	9°34	S 19
S 20	22 18 39	2°53'54	8♏54	14°51	29°45	3° 1	12°21	28° 0	21°33	26°44	29°48	20° 8	20°52	22°39	9°31	S 20
M21	22 22 35	3°52'13	22°17	16°32	0♍59	3°39	12°19	28° 4	21°32	26°43	29°49	20° 9	20°49	22°46	9°29	M21
T 22	22 26 32	4°50'32	5♐16	18°13	2°14	4°17	12°17	28° 9	21°30	26°42	29°50	20°R 9	20°45	22°52	9°26	T 22
W23	22 30 28	5°48'54	17°54	19°52	3°29	4°55	12°15	28°13	21°29	26°41	29°51	20° 9	20°42	22°59	9°23	W23
T 24	22 34 25	6°47'17	0♑15	21°30	4°43	5°33	12°13	28°18	21°27	26°39	29°51	20° 8	20°39	23° 6	9°20	T 24
F 25	22 38 21	7°45'42	12°23	23° 7	5°58	6°10	12°11	28°22	21°26	26°38	29°52	20° 6	20°36	23°12	9°18	F 25
S 26	22 42 18	8°44'08	24°22	24°43	7°13	6°48	12°10	28°27	21°24	26°37	29°53	20° 4	20°33	23°19	9°15	S 26
S 27	22 46 14	9°42'36	6♒14	26°18	8°27	7°26	12° 9	28°31	21°23	26°36	29°53	20° 3	20°29	23°26	9°13	S 27
M28	22 50 11	10°41'06	18° 4	27°52	9°42	8° 4	12° 8	28°35	21°21	26°35	29°54	20° 1	20°26	23°32	9°10	M28
T 29	22 54 8	11°39'38	29°53	29°25	10°57	8°41	12° 7	28°39	21°19	26°34	29°55	20° 1	20°23	23°39	9° 7	T 29
W30	22 58 4	12°38'11	11♓44	0♎57	12°11	9°19	12° 6	28°43	21°17	26°33	29°55	20° 0	20°20	23°46	9° 5	W30
T 31	23 2 1	13♍36'47	23♓39	2♎27	13♍26	9♌56	12♑ 6	28♊46	21♈16	26♑32	29♊56	20°D 0	20♍17	23♒52	9♒ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n33	12s 8	2n33	19n40	1n39	19n47	1n 1	22n52	0n58	23s20	0s29	22n30	1s 0	7n59	0s37	20s39	0n10	20n19	3s14	3n51	3n14	12s10	11s10	6n46
W 2	16 16	9 2	1 34	19 10	1 42	19 30	1 2	22 46	0 58	23 20	0 29	22 30	1 0	7 59	0 37	20 39	0 10	20 19	3 14	3 52	3 16	12 8	11 11	6 46
T 3	15 58	5 35	0 30	18 38	1 44	19 12	1 4	22 40	0 59	23 21	0 29	22 30	1 0	7 59	0 37	20 40	0 10	20 19	3 14	3 52	3 17	12 7	11 12	6 46
F 4	15 41	1 54	0s35	18 4	1 46	18 54	1 5	22 34	0 59	23 21	0 30	22 30	1 0	7 58	0 37	20 40	0 10	20 19	3 14	3 52	3 18	12 6	11 13	6 46
S 5	15 23	1n54	1 39	17 28	1 46	18 35	1 7	22 28	1 0	23 22	0 30	22 31	1 0	7 58	0 37	20 40	0 10	20 19	3 14	3 52	3 19	12 4	11 13	6 46
S 6	15 5	5 40	2 39	16 52	1 46	18 15	1 8	22 22	1 0	23 23	0 30	22 31	1 0	7 58	0 37	20 41	0 10	20 19	3 14	3 51	3 21	12 3	11 14	6 46
M 7	14 47	9 16	3 34	16 13	1 46	17 55	1 10	22 16	1 0	23 23	0 30	22 31	1 0	7 58	0 37	20 41	0 10	20 19	3 14	3 51	3 22	12 1	11 15	6 46
T 8	14 28	12 31	4 19	15 34	1 45	17 35	1 11	22 9	1 1	23 24	0 30	22 31	1 0	7 57	0 37	20 41	0 10	20 19	3 14	3 50	3 23	12 0	11 16	6 46
W 9	14 9	15 15	4 53	14 53	1 43	17 14	1 12	22 2	1 1	23 24	0 30	22 31	1 0	7 57	0 37	20 41	0 10	20 19	3 14	3 50	3 24	11 59	11 17	6 46
T 10	13 50	17 15	5 12	14 12	1 40	16 52	1 14	21 55	1 2	23 25	0 30	22 31	1 0	7 57	0 37	20 42	0 10	20 19	3 14	3 51	3 26	11 57	11 18	6 45
F 11	13 31	18 17	5 13	13 30	1 38	16 30	1 15	21 48	1 2	23 25	0 30	22 31	1 0	7 56	0 37	20 42	0 10	20 19	3 14	3 52	3 27	11 56	11 19	6 45
S 12	13 12	18 12	4 54	12 47	1 34	16 8	1 16	21 41	1 3	23 26	0 30	22 31	1 0	7 56	0 37	20 42	0 10	20 19	3 14	3 53	3 28	11 54	11 20	6 45
S 13	12 52	16 54	4 16	12 4	1 31	15 45	1 17	21 34	1 3	23 26	0 30	22 32	1 0	7 55	0 37	20 43	0 10	20 19	3 14	3 54	3 29	11 53	11 21	6 45
M14	12 32	14 24	3 20	11 20	1 26	15 22	1 18	21 26	1 4	23 26	0 30	22 32	1 0	7 55	0 37	20 43	0 10	20 19	3 14	3 56	3 31	11 52	11 22	6 45
T 15	12 12	10 53	2 9	10 35	1 22	14 58	1 19	21 19	1 4	23 27	0 30	22 32	1 0	7 54	0 37	20 43	0 10	20 19	3 14	3 56	3 32	11 50	11 23	6 45
W16	11 52	6 39	0 49	9 51	1 17	14 34	1 20	21 11	1 4	23 27	0 30	22 32	1 0	7 54	0 37	20 43	0 10	20 19	3 14	3 57	3 33	11 49	11 24	6 44
T 17	11 32	2 3	0n34	9 6	1 12	14 9	1 20	21 3	1 5	23 28	0 30	22 32	1 0	7 54	0 37	20 44	0 10	20 19	3 14	3 57	3 34	11 47	11 25	6 44
F 18	11 11	2s35	1 52	8 21	1 6	13 45	1 21	20 55	1 5	23 28	0 30	22 32	1 0	7 53	0 37	20 44	0 10	20 19	3 14	3 57	3 36	11 46	11 25	6 44
S 19	10 50	6 56	3 2	7 35	1 1	13 19	1 22	20 47	1 6	23 28	0 30	22 32	1 0	7 53	0 37	20 44	0 10	20 19	3 14	3 56	3 37	11 45	11 26	6 44
S 20	10 29	10 46	3 58	6 50	0 55	12 54	1 22	20 38	1 6	23 28	0 31	22 32	1 0	7 52	0 37	20 44	0 10	20 19	3 14	3 56	3 38	11 43	11 27	6 44
M21	10 8	13 54	4 40	6 5	0 48	12 28	1 23	20 30	1 6	23 29	0 31	22 32	1 0	7 51	0 37	20 45	0 10	20 19	3 14	3 55	3 39	11 42	11 28	6 43
T 22	9 47	16 15	5 6	5 19	0 42	12 1	1 23	20 21	1 7	23 29	0 31	22 32	1 0	7 51	0 37	20 45	0 10	20 19	3 14	3 55	3 41	11 40	11 29	6 43
W23	9 25	17 44	5 16	4 34	0 35	11 34	1 24	20 13	1 7	23 29	0 31	22 32	1 0	7 50	0 37	20 45	0 10	20 19	3 14	3 55	3 42	11 39	11 30	6 43
T 24	9 3	18 21	5 12	3 49	0 29	11 7	1 24	20 4	1 8	23 29	0 31	22 32	1 0	7 50	0 37	20 45	0 10	20 19	3 14	3 56	3 43	11 37	11 31	6 43
F 25	8 42	18 6	4 53	3 4	0 22	10 40	1 24	19 55	1 8	23 30	0 31	22 32	1 0	7 49	0 37	20 46	0 10	20 19	3 14	3 56	3 45	11 36	11 32	6 42
S 26	8 20	17 2	4 22	2 20	0 14	10 12	1 25	19 46	1 9	23 30	0 31	22 32	1 0	7 49	0 37	20 46	0 10	20 19	3 14	3 57	3 46	11 35	11 33	6 42
S 27	7 58	15 15	3 40	1 35	0 7	9 45	1 25	19 36	1 9	23 30	0 31	22 32	1 0	7 48	0 37	20 46	0 10	20 19	3 14	3 58	3 47	11 33	11 34	6 42
M28	7 36	12 49	2 48	0 51	0s 0	9 16	1 25	19 27	1 9	23 30	0 31	22 32	1 0	7 47	0 37	20 46	0 10	20 19	3 14	3 58	3 48	11 32	11 35	6 42
T 29	7 13	9 51	1 49	0 7	0 8	8 48	1 25	19 17	1 10	23 30	0 31	22 32	1 0	7 47	0 37	20 47	0 10	20 19	3 14	3 58	3 50	11 30	11 36	6 41
W30	6 51	6 29	0 46	0s36	0 15	8 19	1 25	19 8	1 10	23 30	0 31	22 32	1 0	7 46	0 37	20 47	0 10	20 19	3 14	3 59	3 51	11 29	11 37	6 41
T 31	6n28	2s51	0s20	1s20	0s23	7n50	1n25	18n58	1n11	23s30	0s31	22n33	1s 0	7n45	0s37	20s47	0n10	20n19	3s14	3n59	3n52	11s27	11s37	6n41

Julian Day Number = 2151534.5, Delta T = 14m09s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'14, Lahiri = 12°24'14 Julian Calendar 1 Aug. 1178 == Greg. Calendar 8 Aug. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

SEPTEMBER 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 5 57	14♍35'24	5♈40	3♎57	14♍41	10♌34	12°R 6	28♊50	21°R14	26°R31	29♊56	20♍ 0	20♍14	23♒59	9°R 0	F 1
S 2	23 9 54	15°34'04	17°49	5°26	15°56	11°11	12°D 6	28°54	21♈12	26♑30	29°57	20° 1	20°10	24° 6	8♒58	S 2
S 3	23 13 50	16°32'46	0♉ 9	6°53	17°10	11°49	12♑ 6	28°57	21°10	26°29	29°57	20° 1	20° 7	24°12	8°56	S 3
M 4	23 17 47	17°31'30	12°42	8°19	18°25	12°26	12° 6	29° 1	21° 8	26°28	29°58	20° 1	20° 4	24°19	8°53	M 4
T 5	23 21 43	18°30'16	25°31	9°45	19°40	13° 4	12° 7	29° 4	21° 6	26°27	29°58	20° 2	20° 1	24°26	8°51	T 5
W 6	23 25 40	19°29'04	8♊37	11° 9	20°55	13°41	12° 7	29° 7	21° 4	26°27	29°59	20° 2	19°58	24°32	8°49	W 6
T 7	23 29 36	20°27'55	22° 4	12°32	22°10	14°19	12° 8	29°11	21° 2	26°26	29°59	20° 2	19°55	24°39	8°47	T 7
F 8	23 33 33	21°26'49	5♋53	13°54	23°24	14°56	12°10	29°14	21° 0	26°25	29°59	20° 2	19°51	24°46	8°45	F 8
S 9	23 37 30	22°25'44	20° 4	15°15	24°39	15°33	12°11	29°17	20°58	26°24	29°59	20° 2	19°48	24°52	8°43	S 9
S 10	23 41 26	23°24'42	4♌35	16°34	25°54	16°10	12°12	29°19	20°56	26°24	0♋ 0	20° 2	19°45	24°59	8°41	S 10
M11	23 45 23	24°23'43	19°23	17°52	27° 9	16°48	12°14	29°22	20°54	26°23	0° 0	20° 2	19°42	25° 6	8°39	M11
T 12	23 49 19	25°22'45	4♍21	19° 9	28°24	17°25	12°16	29°25	20°52	26°22	0° 1	20° 3	19°39	25°12	8°37	T 12
W13	23 53 16	26°21'50	19°22	20°25	29°39	18° 2	12°18	29°27	20°50	26°22	0° 1	20°R 3	19°35	25°19	8°35	W13
T 14	23 57 12	27°20'57	4♎17	21°39	0♎54	18°39	12°20	29°30	20°48	26°21	0° 1	20° 3	19°32	25°26	8°34	T 14
F 15	0 1 9	28°20'05	18°59	22°51	2° 9	19°16	12°23	29°32	20°45	26°20	0° 2	20° 2	19°29	25°32	8°32	F 15
S 16	0 5 5	29°19'16	3♏20	24° 2	3°24	19°53	12°26	29°34	20°43	26°20	0° 2	20° 1	19°26	25°39	8°30	S 16
S 17	0 9 2	0♎18'29	17°17	25°10	4°39	20°30	12°29	29°36	20°41	26°19	0° 2	20° 0	19°23	25°46	8°29	S 17
M18	0 12 59	1°17'43	0♐47	26°17	5°54	21° 7	12°32	29°38	20°39	26°19	0° 2	19°59	19°20	25°52	8°27	M18
T 19	0 16 55	2°17'00	13°52	27°22	7° 9	21°44	12°35	29°40	20°36	26°18	0° 2	19°58	19°16	25°59	8°26	T 19
W20	0 20 52	3°16'18	26°34	28°24	8°24	22°21	12°38	29°42	20°34	26°18	0° 2	19°57	19°13	26° 6	8°25	W20
T 21	0 24 48	4°15'38	8♑55	29°24	9°39	22°58	12°42	29°44	20°32	26°18	0° 2	19°D57	19°10	26°12	8°23	T 21
F 22	0 28 45	5°15'00	21° 2	0♏21	10°54	23°35	12°46	29°45	20°29	26°17	0° 2	19°58	19° 7	26°19	8°22	F 22
S 23	0 32 41	6°14'24	2♒58	1°15	12° 9	24°12	12°50	29°47	20°27	26°17	0° 2	19°59	19° 4	26°26	8°21	S 23
S 24	0 36 38	7°13'50	14°48	2° 6	13°24	24°49	12°54	29°48	20°25	26°17	0°R 2	20° 0	19° 0	26°32	8°20	S 24
M25	0 40 34	8°13'17	26°36	2°53	14°39	25°25	12°58	29°49	20°22	26°17	0° 2	20° 2	18°57	26°39	8°19	M25
T 26	0 44 31	9°12'46	8♓27	3°37	15°54	26° 2	13° 3	29°51	20°20	26°16	0° 2	20° 3	18°54	26°45	8°18	T 26
W27	0 48 27	10°12'17	20°22	4°16	17° 9	26°39	13° 7	29°52	20°17	26°16	0° 2	20°R 3	18°51	26°52	8°17	W27
T 28	0 52 24	11°11'50	2♈26	4°50	18°24	27°15	13°12	29°53	20°15	26°16	0° 2	20° 3	18°48	26°59	8°16	T 28
F 29	0 56 21	12°11'26	14°40	5°19	19°39	27°52	13°17	29°53	20°13	26°16	0° 2	20° 1	18°45	27° 5	8°15	F 29
S 30	1 0 17	13♎11'03	27♈ 5	5♏42	20♎54	28♌29	13♑23	29♊54	20♈10	26♑16	0♋ 2	19♍58	18♍41	27♒12	8♒14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n 6	0n57	1s26	2s 2	0s30	7n21	1n24	18n48	1n11	23s30	0s31	22n33	1s 0	7n45	0s37	20s47	0n10	20n19	3s14	3n59	3n53	11s26	11s38	6n41
S 2	5 43	4 44	2 29	2 45	0 38	6 52	1 24	18 38	1 11	23 30	0 31	22 33	1 0	7 44	0 37	20 47	0 10	20 19	3 14	3 58	3 55	11 25	11 39	6 40
S 3	5 20	8 22	3 25	3 27	0 46	6 22	1 24	18 28	1 12	23 30	0 31	22 33	1 0	7 43	0 37	20 48	0 9	20 19	3 14	3 58	3 56	11 23	11 40	6 40
M 4	4 57	11 42	4 13	4 8	0 53	5 53	1 24	18 18	1 12	23 30	0 31	22 33	1 0	7 42	0 37	20 48	0 9	20 19	3 14	3 58	3 57	11 22	11 41	6 40
T 5	4 34	14 32	4 49	4 49	1 1	5 23	1 23	18 8	1 13	23 30	0 31	22 33	1 0	7 42	0 37	20 48	0 9	20 19	3 14	3 58	3 58	11 20	11 42	6 39
W 6	4 11	16 42	5 12	5 29	1 9	4 53	1 23	17 57	1 13	23 30	0 31	22 33	1 0	7 41	0 37	20 48	0 9	20 19	3 14	3 58	4 0	11 19	11 43	6 39
T 7	3 48	18 1	5 18	6 9	1 16	4 23	1 22	17 47	1 13	23 30	0 31	22 33	1 0	7 40	0 37	20 48	0 9	20 19	3 14	3 58	4 1	11 17	11 43	6 39
F 8	3 24	18 19	5 6	6 48	1 24	3 52	1 21	17 36	1 14	23 30	0 31	22 33	1 0	7 39	0 37	20 48	0 9	20 18	3 14	3 58	4 2	11 16	11 44	6 38
S 9	3 1	17 30	4 35	7 26	1 31	3 22	1 21	17 25	1 14	23 30	0 31	22 33	1 0	7 39	0 37	20 49	0 9	20 18	3 14	3 58	4 3	11 14	11 45	6 38
S 10	2 38	15 32	3 47	8 4	1 39	2 51	1 20	17 15	1 15	23 30	0 31	22 33	1 0	7 38	0 37	20 49	0 9	20 18	3 14	3 58	4 5	11 13	11 46	6 38
M11	2 14	12 30	2 42	8 41	1 46	2 21	1 19	17 4	1 15	23 30	0 31	22 33	1 0	7 37	0 37	20 49	0 9	20 18	3 14	3 58	4 6	11 11	11 47	6 37
T 12	1 51	8 37	1 26	9 17	1 54	1 50	1 18	16 53	1 15	23 30	0 31	22 33	1 0	7 36	0 37	20 49	0 9	20 18	3 14	3 58	4 7	11 10	11 48	6 37
W13	1 27	4 10	0 4	9 52	2 1	1 19	1 17	16 42	1 16	23 29	0 31	22 33	1 0	7 35	0 37	20 49	0 9	20 18	3 14	3 57	4 8	11 8	11 48	6 37
T 14	1 4	0s31	1n18	10 27	2 8	0 48	1 16	16 30	1 16	23 29	0 31	22 33	1 0	7 35	0 37	20 49	0 9	20 18	3 14	3 58	4 10	11 7	11 49	6 36
F 15	0 40	5 5	2 34	11 0	2 14	0 18	1 15	16 19	1 17	23 29	0 31	22 33	1 0	7 34	0 37	20 49	0 9	20 18	3 14	3 58	4 11	11 6	11 50	6 36
S 16	0 16	9 16	3 38	11 33	2 21	0s13	1 14	16 8	1 17	23 29	0 31	22 33	1 0	7 33	0 37	20 50	0 9	20 18	3 14	3 58	4 12	11 4	11 51	6 35
S 17	0s 7	12 48	4 27	12 4	2 27	0 44	1 13	15 56	1 17	23 29	0 31	22 33	1 0	7 32	0 37	20 50	0 9	20 18	3 14	3 59	4 13	11 3	11 52	6 35
M18	0 31	15 31	5 0	12 34	2 34	1 15	1 12	15 45	1 18	23 28	0 31	22 33	1 0	7 31	0 37	20 50	0 9	20 18	3 14	3 59	4 15	11 1	11 52	6 35
T 19	0 55	17 21	5 15	13 3	2 40	1 46	1 11	15 33	1 18	23 28	0 31	22 32	1 0	7 30	0 37	20 50	0 9	20 18	3 14	4 0	4 16	11 0	11 53	6 34
W20	1 18	18 15	5 15	13 31	2 45	2 17	1 9	15 21	1 19	23 28	0 31	22 32	1 0	7 29	0 37	20 50	0 9	20 18	3 14	4 0	4 17	10 58	11 54	6 34
T 21	1 42	18 15	5 0	13 58	2 50	2 48	1 8	15 10	1 19	23 27	0 32	22 32	1 0	7 29	0 37	20 50	0 9	20 18	3 14	4 0	4 18	10 57	11 54	6 34
F 22	2 6	17 25	4 32	14 23	2 55	3 19	1 6	14 58	1 19	23 27	0 32	22 32	1 0	7 28	0 37	20 50	0 9	20 18	3 14	4 0	4 20	10 55	11 55	6 33
S 23	2 29	15 49	3 52	14 46	3 0	3 50	1 5	14 46	1 20	23 27	0 32	22 32	1 0	7 27	0 37	20 50	0 9	20 18	3 14	3 59	4 21	10 54	11 56	6 33
S 24	2 53	13 33	3 3	15 8	3 4	4 20	1 3	14 34	1 20	23 26	0 32	22 32	1 0	7 26	0 37	20 50	0 9	20 18	3 14	3 59	4 22	10 52	11 57	6 32
M25	3 16	10 43	2 6	15 27	3 7	4 51	1 2	14 22	1 20	23 26	0 32	22 32	1 0	7 25	0 37	20 50	0 9	20 18	3 14	3 58	4 23	10 51	11 57	6 32
T 26	3 40	7 27	1 4	15 45	3 10	5 21	1 0	14 10	1 21	23 25	0 32	22 32	1 0	7 24	0 37	20 50	0 9	20 18	3 14	3 58	4 25	10 49	11 58	6 31
W27	4 3	3 51	0s 2	16 1	3 12	5 52	0 58	13 57	1 21	23 25	0 32	22 32	1 0	7 23	0 37	20 50	0 9	20 18	3 15	3 57	4 26	10 48	11 59	6 31
T 28	4 27	0 4	1 8	16 14	3 14	6 22	0 57	13 45	1 22	23 25	0 32	22 32	1 0	7 22	0 37	20 50	0 9	20 18	3 15	3 58	4 27	10 46	11 59	6 31
F 29	4 50	3n47	2 12	16 24	3 15	6 52	0 55	13 33	1 22	23 24	0 32	22 32	1 0	7 21	0 37	20 51	0 9	20 18	3 15	3 58	4 28	10 45	12 0	6 30
S 30	5s14	7n31	3s10	16s32	3s14	7s22	0n53	13n20	1n22	23s24	0s32	22n32	1s 0	7n20	0s37	20s51	0n 9	20n18	3s15	3n59	4n30	10s43	12s 0	6n30

Julian Day Number = 2151565.5, Delta T = 14m08s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'18, Lahiri = 12°24'19 Julian Calendar 1 Sept. 1178 == Greg. Calendar 8 Sept. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

OCTOBER 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 4 14	14♎10'42	9♉42	5♏59	22♎ 9	29♌ 5	13♑28	29♊55	20°R 8	26°R16	0°R 2	19°R55	18♍38	27♒19	8°R13	S 1
M 2	1 8 10	15°10'24	22°32	6° 9	23°24	29°42	13°33	29°55	20♈ 5	26°D16	0♋ 2	19♍51	18°35	27°25	8♒13	M 2
T 3	1 12 7	16°10'07	5♊36	6°R12	24°39	0♍18	13°39	29°56	20° 3	26♑16	0° 1	19°47	18°32	27°32	8°12	T 3
W 4	1 16 3	17° 9'54	18°54	6° 7	25°54	0°54	13°45	29°56	20° 0	26°16	0° 1	19°43	18°29	27°39	8°12	W 4
T 5	1 20 0	18° 9'42	2♋25	5°53	27° 9	1°31	13°51	29°56	19°58	26°16	0° 1	19°41	18°26	27°45	8°11	T 5
F 6	1 23 56	19° 9'33	16°11	5°31	28°24	2° 7	13°57	29°R56	19°55	26°16	0° 1	19°D40	18°22	27°52	8°11	F 6
S 7	1 27 53	20° 9'25	0♌10	5° 0	29°39	2°43	14° 4	29°56	19°53	26°16	0° 0	19°40	18°19	27°59	8°10	S 7
S 8	1 31 50	21° 9'21	14°24	4°19	0♏54	3°20	14°10	29°56	19°51	26°16	0° 0	19°41	18°16	28° 5	8°10	S 8
M 9	1 35 46	22° 9'18	28°48	3°30	2° 9	3°56	14°17	29°55	19°48	26°17	29♊59	19°43	18°13	28°12	8°10	M 9
T 10	1 39 43	23° 9'18	13♍22	2°32	3°24	4°32	14°24	29°55	19°46	26°17	29°59	19°R44	18°10	28°19	8°10	T 10
W11	1 43 39	24° 9'19	28° 0	1°27	4°39	5° 8	14°31	29°54	19°43	26°17	29°59	19°44	18° 6	28°25	8°D10	W11
T 12	1 47 36	25° 9'23	12♎36	0°15	5°55	5°44	14°38	29°54	19°41	26°18	29°59	19°42	18° 3	28°32	8°10	T 12
F 13	1 51 32	26° 9'29	27° 4	29♎ 0	7°10	6°20	14°45	29°53	19°38	26°18	29°58	19°38	18° 0	28°39	8°10	F 13
S 14	1 55 29	27° 9'37	11♏18	27°42	8°25	6°57	14°53	29°52	19°36	26°18	29°58	19°33	17°57	28°45	8°10	S 14
S 15	1 59 25	28° 9'46	25°13	26°24	9°40	7°32	15° 0	29°51	19°33	26°19	29°57	19°27	17°54	28°52	8°10	S 15
M16	2 3 22	29° 9'58	8♐45	25° 9	10°55	8° 8	15° 8	29°50	19°31	26°19	29°57	19°20	17°51	28°59	8°11	M16
T 17	2 7 19	0♏10'11	21°53	23°59	12°10	8°44	15°16	29°49	19°29	26°20	29°56	19°14	17°47	29° 5	8°11	T 17
W18	2 11 15	1°10'25	4♑38	22°56	13°25	9°20	15°24	29°47	19°26	26°20	29°56	19° 9	17°44	29°12	8°11	W18
T 19	2 15 12	2°10'42	17° 2	22° 3	14°40	9°56	15°32	29°46	19°24	26°21	29°55	19° 6	17°41	29°19	8°12	T 19
F 20	2 19 8	3°10'59	29° 9	21°19	15°55	10°32	15°41	29°44	19°21	26°21	29°55	19°D 4	17°38	29°25	8°12	F 20
S 21	2 23 5	4°11'19	11♒ 5	20°47	17°10	11° 7	15°49	29°43	19°19	26°22	29°54	19° 5	17°35	29°32	8°13	S 21
S 22	2 27 1	5°11'39	22°55	20°26	18°25	11°43	15°58	29°41	19°17	26°23	29°53	19° 6	17°31	29°38	8°14	S 22
M23	2 30 58	6°12'01	4♓43	20°D18	19°40	12°19	16° 7	29°39	19°14	26°23	29°53	19° 7	17°28	29°45	8°15	M23
T 24	2 34 54	7°12'25	16°35	20°20	20°56	12°54	16°15	29°37	19°12	26°24	29°52	19°R 8	17°25	29°52	8°15	T 24
W25	2 38 51	8°12'50	28°35	20°33	22°11	13°30	16°24	29°35	19°10	26°25	29°51	19° 8	17°22	29°58	8°16	W25
T 26	2 42 48	9°13'16	10♈47	20°56	23°26	14° 5	16°34	29°33	19° 7	26°26	29°51	19° 5	17°19	0♓ 5	8°17	T 26
F 27	2 46 44	10°13'44	23°14	21°29	24°41	14°40	16°43	29°31	19° 5	26°26	29°50	19° 0	17°16	0°12	8°18	F 27
S 28	2 50 41	11°14'14	5♉57	22° 9	25°56	15°16	16°52	29°28	19° 3	26°27	29°49	18°53	17°12	0°18	8°19	S 28
S 29	2 54 37	12°14'45	18°55	22°57	27°11	15°51	17° 2	29°26	19° 1	26°28	29°48	18°44	17° 9	0°25	8°20	S 29
M30	2 58 34	13°15'18	2♊10	23°52	28°26	16°26	17°11	29°23	18°59	26°29	29°48	18°34	17° 6	0°32	8°22	M30
T 31	3 2 30	14♏15'53	15♊38	24♎52	29♏41	17♍ 2	17♑21	29♊21	18♈56	26♑30	29♊47	18♍25	17♍ 3	0♓38	8♒23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s37	10n59	4s 0	16s36	3s13	7s52	0n51	13n 8	1n23	23s23	0s32	22n32	1s 0	7n20	0s37	20s51	0n 9	20n18	3s15	4n 1	4n31	10s42	12s 1	6n29
M 2	6 0	13 59	4 39	16 38	3 11	8 22	0 49	12 55	1 23	23 23	0 32	22 32	1 0	7 19	0 37	20 51	0 9	20 18	3 15	4 2	4 32	10 40	12 2	6 29
T 3	6 23	16 20	5 4	16 35	3 7	8 51	0 47	12 43	1 23	23 22	0 32	22 32	1 0	7 18	0 37	20 51	0 9	20 18	3 15	4 4	4 33	10 39	12 2	6 29
W 4	6 46	17 52	5 14	16 29	3 2	9 21	0 45	12 30	1 24	23 21	0 32	22 32	1 0	7 17	0 37	20 51	0 9	20 18	3 15	4 5	4 35	10 37	12 3	6 28
T 5	7 9	18 25	5 6	16 18	2 56	9 50	0 43	12 18	1 24	23 21	0 32	22 32	1 0	7 16	0 37	20 51	0 9	20 18	3 15	4 6	4 36	10 36	12 3	6 28
F 6	7 32	17 55	4 41	16 3	2 48	10 19	0 41	12 5	1 25	23 20	0 32	22 32	1 0	7 15	0 37	20 51	0 9	20 18	3 15	4 7	4 37	10 34	12 4	6 27
S 7	7 55	16 19	3 59	15 43	2 38	10 47	0 39	11 52	1 25	23 19	0 32	22 32	1 0	7 14	0 37	20 51	0 9	20 18	3 15	4 6	4 38	10 33	12 4	6 27
S 8	8 17	13 41	3 2	15 19	2 27	11 16	0 37	11 39	1 25	23 19	0 32	22 32	1 0	7 13	0 37	20 51	0 9	20 18	3 15	4 6	4 40	10 31	12 5	6 26
M 9	8 40	10 11	1 52	14 49	2 13	11 44	0 35	11 26	1 26	23 18	0 32	22 32	1 0	7 12	0 37	20 51	0 9	20 18	3 15	4 5	4 41	10 30	12 5	6 26
T 10	9 2	6 2	0 35	14 15	1 58	12 12	0 33	11 13	1 26	23 17	0 32	22 32	1 0	7 11	0 37	20 50	0 9	20 18	3 15	4 5	4 42	10 28	12 6	6 25
W11	9 24	1 29	0n45	13 37	1 41	12 39	0 30	11 0	1 26	23 17	0 32	22 32	1 0	7 10	0 37	20 50	0 9	20 18	3 15	4 5	4 43	10 27	12 6	6 25
T 12	9 47	3s 8	2 2	12 54	1 23	13 6	0 28	10 47	1 27	23 16	0 32	22 32	1 0	7 9	0 37	20 50	0 9	20 18	3 15	4 6	4 45	10 25	12 6	6 25
F 13	10 9	7 32	3 10	12 9	1 4	13 33	0 26	10 34	1 27	23 15	0 32	22 32	1 0	7 8	0 37	20 50	0 9	20 18	3 15	4 7	4 46	10 24	12 7	6 24
S 14	10 30	11 25	4 4	11 23	0 44	14 0	0 23	10 21	1 27	23 14	0 32	22 32	1 0	7 8	0 37	20 50	0 9	20 18	3 15	4 9	4 47	10 22	12 7	6 24
S 15	10 52	14 34	4 43	10 35	0 23	14 26	0 21	10 8	1 28	23 13	0 32	22 32	1 0	7 7	0 37	20 50	0 9	20 18	3 15	4 12	4 48	10 21	12 8	6 23
M16	11 14	16 50	5 5	9 49	0 2	14 52	0 19	9 55	1 28	23 12	0 32	22 32	1 0	7 6	0 37	20 50	0 9	20 18	3 15	4 14	4 50	10 19	12 8	6 23
T 17	11 35	18 8	5 10	9 4	0n18	15 18	0 16	9 42	1 29	23 12	0 32	22 32	1 1	7 5	0 37	20 50	0 9	20 18	3 15	4 17	4 51	10 18	12 8	6 22
W18	11 56	18 29	4 59	8 23	0 37	15 43	0 14	9 29	1 29	23 11	0 32	22 32	1 1	7 4	0 37	20 50	0 9	20 18	3 15	4 19	4 52	10 16	12 9	6 22
T 19	12 17	17 55	4 34	7 46	0 55	16 7	0 12	9 15	1 29	23 10	0 32	22 32	1 1	7 3	0 37	20 50	0 9	20 18	3 15	4 20	4 53	10 14	12 9	6 21
F 20	12 38	16 32	3 58	7 14	1 12	16 32	0 9	9 2	1 30	23 9	0 32	22 32	1 1	7 2	0 37	20 50	0 9	20 18	3 15	4 21	4 55	10 13	12 9	6 21
S 21	12 58	14 27	3 11	6 49	1 27	16 56	0 7	8 49	1 30	23 8	0 32	22 32	1 1	7 1	0 37	20 50	0 9	20 18	3 15	4 20	4 56	10 11	12 10	6 21
S 22	13 19	11 47	2 17	6 29	1 40	17 19	0 4	8 35	1 30	23 7	0 32	22 32	1 1	7 0	0 37	20 50	0 9	20 18	3 15	4 20	4 57	10 10	12 10	6 20
M23	13 39	8 37	1 17	6 15	1 51	17 42	0 2	8 22	1 31	23 6	0 32	22 32	1 1	6 59	0 37	20 49	0 9	20 18	3 15	4 19	4 58	10 8	12 10	6 20
T 24	13 59	5 6	0 14	6 8	2 0	18 5	0s 1	8 9	1 31	23 5	0 32	22 32	1 1	6 59	0 37	20 49	0 9	20 18	3 15	4 19	4 59	10 7	12 10	6 19
W25	14 18	1 20	0s51	6 6	2 7	18 27	0 3	7 55	1 31	23 4	0 32	22 32	1 1	6 58	0 37	20 49	0 9	20 18	3 15	4 19	5 1	10 5	12 10	6 19
T 26	14 38	2n32	1 54	6 9	2 13	18 48	0 6	7 42	1 32	23 3	0 32	22 32	1 0	6 57	0 37	20 49	0 9	20 18	3 15	4 20	5 2	10 4	12 11	6 18
F 27	14 57	6 23	2 53	6 18	2 17	19 9	0 8	7 29	1 32	23 1	0 32	22 32	1 0	6 56	0 37	20 49	0 9	20 18	3 15	4 22	5 3	10 2	12 11	6 18
S 28	15 16	10 2	3 45	6 30	2 20	19 30	0 11	7 15	1 32	23 0	0 32	22 32	1 0	6 55	0 37	20 49	0 9	20 18	3 15	4 25	5 4	10 1	12 11	6 18
S 29	15 35	13 16	4 26	6 47	2 21	19 50	0 13	7 2	1 33	22 59	0 32	22 32	1 0	6 54	0 37	20 49	0 9	20 18	3 15	4 28	5 6	9 59	12 11	6 17
M30	15 53	15 54	4 53	7 7	2 21	20 9	0 16	6 48	1 33	22 58	0 32	22 32	1 0	6 54	0 37	20 48	0 9	20 18	3 15	4 32	5 7	9 57	12 11	6 17
T 31	16s11	17n43	5s 5	7s29	2n21	20s28	0s18	6n35	1n34	22s57	0s32	22n32	1s 0	6n53	0s37	20s48	0n 9	20n18	3s15	4n36	5n 8	9s56	12s11	6n16

Julian Day Number = 2151595.5, Delta T = 14m08s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'22, Lahiri = 12°24'23 Julian Calendar 1 Oct. 1178 == Greg. Calendar 8 Oct. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

NOVEMBER 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 6 27	15♏16'29	29♊17	25♎57	0♐56	17♍37	17♑31	29°R18	18°R54	26♑31	29°R46	18°R16	17♍ 0	0♓45	8♒24	W 1
T 2	3 10 23	16°17'07	13♋ 5	27° 7	2°11	18°12	17°41	29♊15	18♈52	26°32	29♊45	18♍ 9	16°57	0°52	8°26	T 2
F 3	3 14 20	17°17'47	26°59	28°20	3°26	18°47	17°51	29°12	18°50	26°33	29°44	18° 5	16°53	0°58	8°27	F 3
S 4	3 18 17	18°18'28	11♌ 0	29°36	4°41	19°22	18° 1	29° 9	18°48	26°34	29°43	18° 3	16°50	1° 5	8°29	S 4
S 5	3 22 13	19°19'11	25° 4	0♏55	5°56	19°57	18°12	29° 6	18°46	26°35	29°43	18°D 3	16°47	1°12	8°30	S 5
M 6	3 26 10	20°19'56	9♍12	2°17	7°11	20°32	18°22	29° 2	18°44	26°37	29°42	18° 4	16°44	1°18	8°32	M 6
T 7	3 30 6	21°20'42	23°22	3°40	8°26	21° 6	18°33	28°59	18°42	26°38	29°41	18°R 4	16°41	1°25	8°34	T 7
W 8	3 34 3	22°21'30	7♎33	5° 5	9°41	21°41	18°43	28°56	18°40	26°39	29°40	18° 2	16°37	1°32	8°35	W 8
T 9	3 37 59	23°22'20	21°42	6°31	10°56	22°16	18°54	28°52	18°38	26°40	29°39	17°58	16°34	1°38	8°37	T 9
F 10	3 41 56	24°23'10	5♏46	7°58	12°11	22°51	19° 5	28°49	18°36	26°41	29°38	17°51	16°31	1°45	8°39	F 10
S 11	3 45 52	25°24'03	19°39	9°27	13°26	23°25	19°16	28°45	18°34	26°43	29°37	17°41	16°28	1°51	8°41	S 11
S 12	3 49 49	26°24'56	3♐19	10°56	14°41	24° 0	19°27	28°41	18°33	26°44	29°36	17°30	16°25	1°58	8°43	S 12
M13	3 53 46	27°25'51	16°41	12°26	15°56	24°34	19°38	28°37	18°31	26°45	29°35	17°17	16°22	2° 5	8°45	M13
T 14	3 57 42	28°26'47	29°44	13°56	17°11	25° 8	19°50	28°34	18°29	26°47	29°34	17° 5	16°18	2°11	8°47	T 14
W15	4 1 39	29°27'44	12♑26	15°27	18°26	25°43	20° 1	28°30	18°27	26°48	29°33	16°55	16°15	2°18	8°49	W15
T 16	4 5 35	0♐28'41	24°50	16°58	19°41	26°17	20°13	28°26	18°26	26°50	29°32	16°47	16°12	2°25	8°52	T 16
F 17	4 9 32	1°29'40	6♒58	18°30	20°56	26°51	20°24	28°21	18°24	26°51	29°31	16°42	16° 9	2°31	8°54	F 17
S 18	4 13 28	2°30'39	18°54	20° 2	22°11	27°25	20°36	28°17	18°23	26°53	29°30	16°39	16° 6	2°38	8°56	S 18
S 19	4 17 25	3°31'39	0♓43	21°34	23°26	27°59	20°48	28°13	18°21	26°54	29°29	16°D38	16° 3	2°45	8°59	S 19
M20	4 21 21	4°32'39	12°31	23° 6	24°41	28°33	20°59	28° 9	18°20	26°56	29°27	16°R39	15°59	2°51	9° 1	M20
T 21	4 25 18	5°33'41	24°23	24°39	25°56	29° 7	21°11	28° 4	18°18	26°57	29°26	16°38	15°56	2°58	9° 4	T 21
W22	4 29 15	6°34'42	6♈24	26°11	27°11	29°41	21°23	28° 0	18°17	26°59	29°25	16°37	15°53	3° 5	9° 6	W22
T 23	4 33 11	7°35'45	18°41	27°44	28°26	0♎14	21°35	27°55	18°15	27° 0	29°24	16°33	15°50	3°11	9° 9	T 23
F 24	4 37 8	8°36'48	1♉15	29°17	29°41	0°48	21°48	27°51	18°14	27° 2	29°23	16°27	15°47	3°18	9°12	F 24
S 25	4 41 4	9°37'51	14°11	0♐50	0♑56	1°21	22° 0	27°46	18°13	27° 4	29°22	16°17	15°43	3°25	9°14	S 25
S 26	4 45 1	10°38'55	27°28	2°23	2°11	1°55	22°12	27°42	18°11	27° 5	29°21	16° 6	15°40	3°31	9°17	S 26
M27	4 48 57	11°40'00	11♊ 5	3°56	3°26	2°28	22°25	27°37	18°10	27° 7	29°19	15°53	15°37	3°38	9°20	M27
T 28	4 52 54	12°41'06	25° 0	5°29	4°41	3° 2	22°37	27°32	18° 9	27° 9	29°18	15°40	15°34	3°45	9°23	T 28
W29	4 56 50	13°42'12	9♋ 7	7° 3	5°55	3°35	22°50	27°28	18° 8	27°11	29°17	15°28	15°31	3°51	9°26	W29
T 30	5 0 47	14♐43'19	23♋21	8♐36	7♑10	4♎ 8	23♑ 2	27♊23	18♈ 7	27♑12	29♊16	15♍19	15♍28	3♓58	9♒29	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s29	18n33	5s 0	7s55	2n19	20s46	0s21	6n21	1n34	22s55	0s32	22n32	1s 0	6n52	0s37	20s48	0n 9	20n18	3s15	4n40	5n 9	9s54	12s11	6n16
T 2	16 47	18 18	4 37	8 22	2 16	21 4	0 23	6 8	1 34	22 54	0 32	22 32	1 0	6 51	0 37	20 48	0 9	20 18	3 15	4 42	5 11	9 53	12 11	6 15
F 3	17 4	16 57	3 58	8 51	2 13	21 21	0 26	5 54	1 35	22 53	0 32	22 32	1 0	6 50	0 37	20 48	0 8	20 18	3 15	4 44	5 12	9 51	12 11	6 15
S 4	17 21	14 35	3 5	9 22	2 9	21 38	0 28	5 41	1 35	22 51	0 32	22 32	1 0	6 50	0 37	20 48	0 8	20 18	3 15	4 45	5 13	9 50	12 11	6 15
S 5	17 38	11 21	2 0	9 54	2 5	21 53	0 30	5 27	1 35	22 50	0 32	22 32	1 0	6 49	0 37	20 47	0 8	20 18	3 15	4 45	5 14	9 48	12 12	6 14
M 6	17 54	7 26	0 47	10 26	2 0	22 9	0 33	5 14	1 36	22 49	0 32	22 32	1 0	6 48	0 37	20 47	0 8	20 18	3 15	4 44	5 16	9 47	12 11	6 14
T 7	18 11	3 5	0n28	11 0	1 55	22 23	0 35	5 1	1 36	22 47	0 32	22 32	1 0	6 47	0 37	20 47	0 8	20 18	3 15	4 44	5 17	9 45	12 11	6 13
W 8	18 26	1s27	1 42	11 34	1 49	22 37	0 38	4 47	1 36	22 46	0 32	22 32	1 0	6 47	0 37	20 47	0 8	20 18	3 15	4 45	5 18	9 43	12 11	6 13
T 9	18 42	5 53	2 49	12 8	1 43	22 51	0 40	4 34	1 37	22 44	0 32	22 32	1 0	6 46	0 37	20 47	0 8	20 18	3 15	4 47	5 19	9 42	12 11	6 12
F 10	18 57	9 57	3 45	12 42	1 37	23 3	0 42	4 20	1 37	22 43	0 32	22 32	1 0	6 45	0 37	20 46	0 8	20 18	3 15	4 49	5 21	9 40	12 11	6 12
S 11	19 12	13 26	4 27	13 16	1 30	23 15	0 45	4 7	1 37	22 41	0 32	22 32	1 0	6 45	0 37	20 46	0 8	20 18	3 15	4 53	5 22	9 39	12 11	6 12
S 12	19 26	16 7	4 53	13 51	1 24	23 26	0 47	3 53	1 38	22 40	0 32	22 32	1 0	6 44	0 37	20 46	0 8	20 18	3 15	4 58	5 23	9 37	12 11	6 11
M13	19 40	17 52	5 2	14 25	1 17	23 37	0 49	3 40	1 38	22 38	0 32	22 32	1 0	6 43	0 37	20 46	0 8	20 18	3 15	5 3	5 24	9 36	12 11	6 11
T 14	19 54	18 38	4 55	14 59	1 10	23 47	0 52	3 27	1 38	22 36	0 32	22 32	1 0	6 43	0 37	20 45	0 8	20 18	3 15	5 7	5 26	9 34	12 11	6 10
W15	20 7	18 26	4 33	15 32	1 3	23 56	0 54	3 13	1 39	22 35	0 33	22 32	1 0	6 42	0 37	20 45	0 8	20 18	3 15	5 11	5 27	9 32	12 11	6 10
T 16	20 20	17 20	3 59	16 5	0 56	24 4	0 56	3 0	1 39	22 33	0 33	22 32	1 0	6 42	0 37	20 45	0 8	20 18	3 15	5 14	5 28	9 31	12 10	6 10
F 17	20 33	15 29	3 14	16 37	0 49	24 12	0 58	2 47	1 39	22 31	0 33	22 32	1 0	6 41	0 37	20 45	0 8	20 18	3 15	5 16	5 29	9 29	12 10	6 9
S 18	20 45	12 59	2 22	17 9	0 42	24 19	1 0	2 33	1 40	22 30	0 33	22 32	1 0	6 40	0 36	20 44	0 8	20 18	3 15	5 17	5 30	9 28	12 10	6 9
S 19	20 57	9 58	1 24	17 40	0 35	24 25	1 2	2 20	1 40	22 28	0 33	22 32	1 0	6 40	0 36	20 44	0 8	20 18	3 15	5 18	5 32	9 26	12 10	6 8
M20	21 8	6 33	0 22	18 11	0 28	24 31	1 5	2 7	1 40	22 26	0 33	22 32	1 0	6 39	0 36	20 44	0 8	20 18	3 15	5 18	5 33	9 24	12 9	6 8
T 21	21 19	2 52	0s41	18 41	0 21	24 35	1 7	1 54	1 41	22 24	0 33	22 32	1 0	6 39	0 36	20 43	0 8	20 18	3 15	5 18	5 34	9 23	12 9	6 8
W22	21 30	0n59	1 43	19 10	0 14	24 39	1 9	1 40	1 41	22 22	0 33	22 32	1 0	6 38	0 36	20 43	0 8	20 18	3 15	5 18	5 35	9 21	12 9	6 7
T 23	21 40	4 52	2 41	19 38	0 7	24 43	1 10	1 27	1 41	22 21	0 33	22 32	1 0	6 38	0 36	20 43	0 8	20 18	3 15	5 20	5 37	9 20	12 9	6 7
F 24	21 50	8 38	3 33	20 5	0s 0	24 45	1 12	1 14	1 42	22 19	0 33	22 32	1 0	6 37	0 36	20 43	0 8	20 18	3 15	5 22	5 38	9 18	12 8	6 7
S 25	21 59	12 6	4 15	20 32	0 7	24 47	1 14	1 1	1 42	22 17	0 33	22 32	0 59	6 37	0 36	20 42	0 8	20 18	3 15	5 26	5 39	9 16	12 8	6 6
S 26	22 8	15 3	4 45	20 57	0 14	24 48	1 16	0 48	1 42	22 15	0 33	22 32	0 59	6 36	0 36	20 42	0 8	20 18	3 15	5 31	5 40	9 15	12 7	6 6
M27	22 17	17 16	4 59	21 22	0 21	24 48	1 18	0 35	1 43	22 13	0 33	22 32	0 59	6 36	0 36	20 42	0 8	20 18	3 14	5 36	5 42	9 13	12 7	6 6
T 28	22 25	18 31	4 56	21 45	0 27	24 47	1 19	0 22	1 43	22 11	0 33	22 32	0 59	6 35	0 36	20 41	0 8	20 18	3 14	5 41	5 43	9 12	12 7	6 5
W29	22 33	18 39	4 36	22 8	0 34	24 46	1 21	0 9	1 43	22 9	0 33	22 32	0 59	6 35	0 36	20 41	0 8	20 18	3 14	5 45	5 44	9 10	12 6	6 5
T 30	22s40	17n37	3s57	22s30	0s40	24s44	1s23	0s 4	1n44	22s 7	0s33	22n32	0s59	6n35	0s36	20s41	0n 8	20n18	3s14	5n49	5n45	9s 8	12s 6	6n 4

Julian Day Number = 2151626.5, Delta T = 14m08s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'26, Lahiri = 12°24'27 Julian Calendar 1 Nov. 1178 == Greg. Calendar 8 Nov. 1178

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ASTRODIENST EPHEMERIS for the year 1178
geocentric

DECEMBER 1178 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 4 44	15♐44'27	7♌38	10♐10	8♑25	4♎41	23♑15	27°R18	18°R 6	27♑14	29°R15	15°R12	15♍24	4♓ 4	9♒32	F 1
S 2	5 8 40	16°45'35	21°53	11°44	9°40	5°14	23°28	27♊13	18♈ 5	27°16	29♊14	15♍ 9	15°21	4°11	9°35	S 2
S 3	5 12 37	17°46'44	6♍ 4	13°18	10°55	5°47	23°40	27° 8	18° 4	27°18	29°12	15° 8	15°18	4°18	9°38	S 3
M 4	5 16 33	18°47'54	20° 9	14°52	12°10	6°20	23°53	27° 4	18° 3	27°20	29°11	15° 8	15°15	4°24	9°41	M 4
T 5	5 20 30	19°49'04	4♎ 7	16°27	13°24	6°52	24° 6	26°59	18° 2	27°22	29°10	15° 7	15°12	4°31	9°45	T 5
W 6	5 24 26	20°50'16	17°59	18° 2	14°39	7°25	24°19	26°54	18° 2	27°24	29° 9	15° 5	15° 9	4°38	9°48	W 6
T 7	5 28 23	21°51'27	1♏43	19°36	15°54	7°57	24°32	26°49	18° 1	27°25	29° 7	15° 0	15° 5	4°44	9°51	T 7
F 8	5 32 19	22°52'40	15°20	21°12	17° 9	8°30	24°46	26°44	18° 0	27°27	29° 6	14°53	15° 2	4°51	9°54	F 8
S 9	5 36 16	23°53'52	28°48	22°47	18°23	9° 2	24°59	26°39	18° 0	27°29	29° 5	14°42	14°59	4°58	9°58	S 9
S 10	5 40 13	24°55'05	12♐ 4	24°23	19°38	9°34	25°12	26°34	17°59	27°31	29° 4	14°29	14°56	5° 4	10° 1	S 10
M11	5 44 9	25°56'19	25° 7	25°59	20°53	10° 6	25°25	26°29	17°59	27°33	29° 3	14°15	14°53	5°11	10° 5	M11
T 12	5 48 6	26°57'32	7♑55	27°35	22° 8	10°38	25°39	26°24	17°58	27°35	29° 1	14° 2	14°49	5°18	10° 8	T 12
W13	5 52 2	27°58'46	20°27	29°12	23°22	11°10	25°52	26°19	17°58	27°37	29° 0	13°50	14°46	5°24	10°12	W13
T 14	5 55 59	28°59'59	2♒45	0♑49	24°37	11°42	26° 6	26°14	17°57	27°39	28°59	13°41	14°43	5°31	10°15	T 14
F 15	5 59 55	0♑ 1'12	14°49	2°26	25°52	12°13	26°19	26° 9	17°57	27°41	28°58	13°34	14°40	5°38	10°19	F 15
S 16	6 3 52	1° 2'25	26°44	4° 4	27° 6	12°45	26°33	26° 4	17°57	27°44	28°56	13°31	14°37	5°44	10°23	S 16
S 17	6 7 48	2° 3'38	8♓32	5°42	28°21	13°16	26°46	25°59	17°57	27°46	28°55	13°D29	14°34	5°51	10°26	S 17
M18	6 11 45	3° 4'50	20°18	7°20	29°35	13°47	27° 0	25°54	17°56	27°48	28°54	13°29	14°30	5°57	10°30	M18
T 19	6 15 42	4° 6'02	2♈ 9	8°59	0♒50	14°18	27°14	25°49	17°56	27°50	28°53	13°R30	14°27	6° 4	10°34	T 19
W20	6 19 38	5° 7'13	14° 9	10°38	2° 4	14°49	27°27	25°44	17°D56	27°52	28°51	13°29	14°24	6°11	10°38	W20
T 21	6 23 35	6° 8'24	26°24	12°18	3°19	15°20	27°41	25°39	17°56	27°54	28°50	13°27	14°21	6°17	10°42	T 21
F 22	6 27 31	7° 9'35	8♉59	13°58	4°33	15°51	27°55	25°35	17°56	27°56	28°49	13°23	14°18	6°24	10°45	F 22
S 23	6 31 28	8°10'44	21°58	15°38	5°48	16°21	28° 9	25°30	17°56	27°58	28°48	13°16	14°15	6°31	10°49	S 23
S 24	6 35 24	9°11'54	5♊23	17°18	7° 2	16°52	28°23	25°25	17°57	28° 1	28°46	13° 7	14°11	6°37	10°53	S 24
M25	6 39 21	10°13'03	19°13	18°58	8°16	17°22	28°36	25°20	17°57	28° 3	28°45	12°56	14° 8	6°44	10°57	M25
T 26	6 43 17	11°14'11	3♋27	20°39	9°31	17°52	28°50	25°16	17°57	28° 5	28°44	12°46	14° 5	6°51	11° 1	T 26
W27	6 47 14	12°15'19	17°58	22°20	10°45	18°22	29° 4	25°11	17°57	28° 7	28°43	12°36	14° 2	6°57	11° 5	W27
T 28	6 51 11	13°16'26	2♌39	24° 1	11°59	18°52	29°18	25° 6	17°58	28° 9	28°42	12°28	13°59	7° 4	11° 9	T 28
F 29	6 55 7	14°17'33	17°24	25°42	13°14	19°22	29°32	25° 2	17°58	28°12	28°40	12°23	13°55	7°11	11°13	F 29
S 30	6 59 4	15°18'39	2♍ 4	27°22	14°28	19°51	29°47	24°57	17°59	28°14	28°39	12°21	13°52	7°17	11°18	S 30
S 31	7 3 0	16♑19'45	16♍34	29♑ 2	15♒42	20♎21	0♒ 1	24♊53	17♈59	28♑16	28♊38	12°D20	13♍49	7♓24	11♒22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s47	15n28	3s 4	22s50	0s46	24s41	1s24	0s17	1n44	22s 4	0s33	22n32	0s59	6n34	0s36	20s40	0n 8	20n18	3s14	5n51	5n47	9s 7	12s 5	6n 4	F 1
S 2	22 53	12 23	2 0	23 9	0 52	24 37	1 26	0 29	1 44	22 2	0 33	22 32	0 59	6 34	0 36	20 40	0 8	20 18	3 14	5 53	5 48	9 5	12 5	6 4	S 2
S 3	22 59	8 35	0 48	23 27	0 58	24 32	1 27	0 42	1 45	22 0	0 33	22 32	0 59	6 34	0 36	20 40	0 8	20 18	3 14	5 53	5 49	9 4	12 4	6 3	S 3
M 4	23 4	4 20	0n27	23 44	1 4	24 27	1 29	0 55	1 45	21 58	0 33	22 32	0 59	6 33	0 36	20 39	0 8	20 18	3 14	5 53	5 50	9 2	12 4	6 3	M 4
T 5	23 9	0s 8	1 39	24 0	1 9	24 21	1 30	1 8	1 45	21 56	0 33	22 32	0 59	6 33	0 36	20 39	0 8	20 18	3 14	5 53	5 52	9 0	12 3	6 3	T 5
W 6	23 14	4 33	2 44	24 15	1 15	24 15	1 31	1 20	1 46	21 53	0 33	22 32	0 59	6 33	0 36	20 39	0 8	20 18	3 14	5 54	5 53	8 59	12 3	6 3	W 6
T 7	23 18	8 41	3 40	24 28	1 20	24 7	1 32	1 33	1 46	21 51	0 33	22 32	0 59	6 33	0 36	20 38	0 8	20 18	3 14	5 56	5 54	8 57	12 2	6 2	T 7
F 8	23 21	12 19	4 22	24 40	1 25	23 59	1 33	1 45	1 46	21 49	0 33	22 32	0 58	6 32	0 36	20 38	0 8	20 18	3 14	5 59	5 55	8 55	12 2	6 2	F 8
S 9	23 24	15 16	4 49	24 50	1 30	23 50	1 35	1 58	1 47	21 47	0 33	22 32	0 58	6 32	0 36	20 37	0 8	20 18	3 14	6 3	5 56	8 54	12 1	6 2	S 9
S 10	23 27	17 22	5 0	24 59	1 34	23 40	1 36	2 10	1 47	21 44	0 33	22 32	0 58	6 32	0 36	20 37	0 8	20 18	3 14	6 8	5 58	8 52	12 0	6 1	S 10
M11	23 29	18 32	4 55	25 7	1 38	23 30	1 37	2 22	1 47	21 42	0 33	22 32	0 58	6 32	0 36	20 37	0 8	20 19	3 14	6 13	5 59	8 51	12 0	6 1	M11
T 12	23 30	18 43	4 35	25 14	1 43	23 19	1 37	2 35	1 48	21 39	0 34	22 32	0 58	6 32	0 36	20 36	0 8	20 19	3 14	6 18	6 0	8 49	11 59	6 1	T 12
W13	23 32	17 59	4 2	25 19	1 46	23 7	1 38	2 47	1 48	21 37	0 34	22 32	0 58	6 32	0 36	20 36	0 8	20 19	3 14	6 23	6 1	8 47	11 58	6 0	W13
T 14	23 32	16 25	3 18	25 22	1 50	22 55	1 39	2 59	1 48	21 34	0 34	22 32	0 58	6 31	0 36	20 35	0 8	20 19	3 14	6 27	6 3	8 46	11 58	6 0	T 14
F 15	23 33	14 8	2 26	25 24	1 53	22 42	1 40	3 11	1 49	21 32	0 34	22 32	0 58	6 31	0 36	20 35	0 8	20 19	3 14	6 29	6 4	8 44	11 57	6 0	F 15
S 16	23 32	11 17	1 28	25 25	1 56	22 28	1 40	3 23	1 49	21 29	0 34	22 32	0 58	6 31	0 36	20 35	0 8	20 19	3 14	6 31	6 5	8 42	11 56	6 0	S 16
S 17	23 32	8 0	0 26	25 24	1 59	22 14	1 41	3 35	1 49	21 27	0 34	22 31	0 57	6 31	0 36	20 34	0 8	20 19	3 14	6 31	6 6	8 41	11 56	5 59	S 17
M18	23 30	4 25	0s36	25 21	2 1	21 58	1 41	3 47	1 49	21 24	0 34	22 31	0 57	6 31	0 35	20 34	0 8	20 19	3 13	6 31	6 8	8 39	11 55	5 59	M18
T 19	23 29	0 38	1 38	25 17	2 3	21 43	1 42	3 59	1 50	21 22	0 34	22 31	0 57	6 31	0 35	20 33	0 8	20 19	3 13	6 31	6 9	8 38	11 54	5 59	T 19
W20	23 27	3n13	2 36	25 11	2 4	21 26	1 42	4 10	1 50	21 19	0 34	22 31	0 57	6 31	0 35	20 33	0 8	20 19	3 13	6 31	6 10	8 36	11 53	5 59	W20
T 21	23 24	7 0	3 28	25 3	2 5	21 9	1 42	4 22	1 50	21 16	0 34	22 31	0 57	6 31	0 35	20 33	0 8	20 19	3 13	6 32	6 11	8 34	11 53	5 58	T 21
F 22	23 21	10 35	4 11	24 54	2 6	20 52	1 42	4 34	1 51	21 14	0 34	22 31	0 57	6 31	0 35	20 32	0 8	20 19	3 13	6 34	6 12	8 33	11 52	5 58	F 22
S 23	23 17	13 46	4 43	24 43	2 6	20 33	1 42	4 45	1 51	21 11	0 34	22 31	0 57	6 31	0 35	20 32	0 8	20 19	3 13	6 36	6 14	8 31	11 51	5 58	S 23
S 24	23 13	16 21	5 1	24 30	2 6	20 15	1 42	4 57	1 51	21 8	0 34	22 31	0 57	6 32	0 35	20 31	0 8	20 19	3 13	6 40	6 15	8 29	11 50	5 58	S 24
M25	23 9	18 5	5 2	24 16	2 6	19 55	1 42	5 8	1 52	21 5	0 34	22 31	0 56	6 32	0 35	20 31	0 8	20 19	3 13	6 44	6 16	8 28	11 49	5 58	M25
T 26	23 4	18 45	4 45	24 0	2 5	19 35	1 42	5 19	1 52	21 2	0 34	22 31	0 56	6 32	0 35	20 31	0 8	20 19	3 13	6 48	6 17	8 26	11 48	5 57	T 26
W27	22 59	18 13	4 9	23 42	2 3	19 15	1 42	5 30	1 52	21 0	0 34	22 31	0 56	6 32	0 35	20 30	0 8	20 19	3 13	6 52	6 19	8 24	11 48	5 57	W27
T 28	22 53	16 28	3 16	23 23	2 1	18 54	1 42	5 41	1 52	20 57	0 34	22 31	0 56	6 32	0 35	20 30	0 8	20 19	3 13	6 55	6 20	8 23	11 47	5 57	T 28
F 29	22 46	13 38	2 10	23 2	1 58	18 32	1 41	5 52	1 53	20 54	0 35	22 31	0 56	6 32	0 35	20 29	0 8	20 20	3 13	6 57	6 21	8 21	11 46	5 57	F 29
S 30	22 40	9 56	0 55	22 39	1 55	18 10	1 41	6 3	1 53	20 51	0 35	22 31	0 56	6 33	0 35	20 29	0 8	20 20	3 13	6 58	6 22	8 19	11 45	5 57	S 30
S 31	22s32	5n40	0n23	22s14	1s50	17s48	1s40	6s14	1n53	20s48	0s35	22n31	0s56	6n33	0s35	20s28	0n 8	20n20	3s13	6n58	6n23	8s18	11s44	5n56	S 31

Julian Day Number = 2151656.5, Delta T = 14m08s
Ecliptic obliquity = 23°32'35, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'31, Lahiri = 12°24'31 Julian Calendar 1 Dec. 1178 == Greg. Calendar 8 Dec. 1178

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

JANUARY 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 6 57	17♉20'50	0♎51	0♒42	16♒56	20♎50	0♒15	24°R48	18♈ 0	28♉18	28°R37	12♍21	13♍46	7♓31	11♒26	M 1
T 2	7 10 53	18°21'56	14°53	2°21	18°10	21°19	0°29	24♊44	18° 0	28°21	28♊36	12°R22	13°43	7°37	11°30	T 2
W 3	7 14 50	19°23'00	28°40	3°59	19°24	21°48	0°43	24°40	18° 1	28°23	28°35	12°21	13°40	7°44	11°34	W 3
T 4	7 18 46	20°24'05	12♏12	5°36	20°38	22°17	0°57	24°36	18° 2	28°25	28°33	12°19	13°36	7°50	11°38	T 4
F 5	7 22 43	21°25'09	25°31	7°11	21°52	22°45	1°11	24°31	18° 3	28°27	28°32	12°15	13°33	7°57	11°43	F 5
S 6	7 26 40	22°26'12	8♐36	8°44	23° 6	23°14	1°26	24°27	18° 3	28°30	28°31	12° 8	13°30	8° 4	11°47	S 6
S 7	7 30 36	23°27'15	21°29	10°15	24°20	23°42	1°40	24°23	18° 4	28°32	28°30	11°59	13°27	8°10	11°51	S 7
M 8	7 34 33	24°28'16	4♑10	11°42	25°34	24°10	1°54	24°19	18° 5	28°34	28°29	11°50	13°24	8°17	11°55	M 8
T 9	7 38 29	25°29'17	16°39	13° 7	26°48	24°37	2° 8	24°15	18° 6	28°36	28°28	11°41	13°21	8°24	12° 0	T 9
W10	7 42 26	26°30'18	28°57	14°27	28° 2	25° 5	2°23	24°12	18° 7	28°39	28°27	11°33	13°17	8°30	12° 4	W10
T 11	7 46 22	27°31'17	11♒ 4	15°42	29°15	25°32	2°37	24° 8	18° 8	28°41	28°26	11°27	13°14	8°37	12° 8	T 11
F 12	7 50 19	28°32'14	23° 2	16°51	0♓29	26° 0	2°51	24° 4	18° 9	28°43	28°25	11°23	13°11	8°44	12°13	F 12
S 13	7 54 16	29°33'11	4♓53	17°54	1°43	26°27	3° 6	24° 1	18°11	28°46	28°24	11°21	13° 8	8°50	12°17	S 13
S 14	7 58 12	0♒34'07	16°40	18°50	2°56	26°53	3°20	23°57	18°12	28°48	28°23	11°D20	13° 5	8°57	12°21	S 14
M15	8 2 9	1°35'01	28°26	19°38	4°10	27°20	3°34	23°54	18°13	28°50	28°22	11°22	13° 1	9° 4	12°26	M15
T 16	8 6 5	2°35'53	10♈16	20°18	5°23	27°46	3°48	23°50	18°15	28°52	28°21	11°23	12°58	9°10	12°30	T 16
W17	8 10 2	3°36'44	22°15	20°48	6°37	28°12	4° 3	23°47	18°16	28°55	28°20	11°25	12°55	9°17	12°34	W17
T 18	8 13 58	4°37'34	4♉27	21° 7	7°50	28°38	4°17	23°44	18°17	28°57	28°19	11°R26	12°52	9°24	12°39	T 18
F 19	8 17 55	5°38'22	16°58	21°R17	9° 3	29° 4	4°31	23°41	18°19	28°59	28°18	11°25	12°49	9°30	12°43	F 19
S 20	8 21 51	6°39'09	29°53	21°15	10°17	29°29	4°46	23°38	18°20	29° 2	28°17	11°23	12°46	9°37	12°48	S 20
S 21	8 25 48	7°39'54	13♊14	21° 2	11°30	29°54	5° 0	23°35	18°22	29° 4	28°16	11°19	12°42	9°43	12°52	S 21
M22	8 29 44	8°40'38	27° 3	20°39	12°43	0♏19	5°14	23°32	18°24	29° 6	28°15	11°14	12°39	9°50	12°56	M22
T 23	8 33 41	9°41'20	11♋20	20° 5	13°56	0°44	5°29	23°30	18°25	29° 8	28°14	11° 9	12°36	9°57	13° 1	T 23
W24	8 37 38	10°42'00	26° 0	19°23	15° 9	1° 8	5°43	23°27	18°27	29°11	28°13	11° 4	12°33	10° 3	13° 5	W24
T 25	8 41 34	11°42'39	10♌56	18°31	16°22	1°32	5°57	23°25	18°29	29°13	28°12	11° 1	12°30	10°10	13°10	T 25
F 26	8 45 31	12°43'16	26° 1	17°33	17°35	1°56	6°12	23°22	18°31	29°15	28°11	10°59	12°26	10°17	13°14	F 26
S 27	8 49 27	13°43'52	11♍ 6	16°30	18°47	2°19	6°26	23°20	18°32	29°17	28°11	10°D58	12°23	10°23	13°18	S 27
S 28	8 53 24	14°44'26	26° 0	15°23	20° 0	2°42	6°40	23°18	18°34	29°19	28°10	10°59	12°20	10°30	13°23	S 28
M29	8 57 20	15°44'59	10♎39	14°15	21°13	3° 5	6°54	23°16	18°36	29°22	28° 9	11° 0	12°17	10°37	13°27	M29
T 30	9 1 17	16°45'31	24°57	13° 6	22°25	3°28	7° 9	23°14	18°38	29°24	28° 8	11° 1	12°14	10°43	13°32	T 30
W31	9 5 13	17♒46'01	8♏52	12♒ 0	23♓38	3♏50	7♒23	23♊12	18♈40	29♉26	28♊ 7	11♍ 2	12♍11	10♓50	13♒36	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s25	1n 9	1n38	21s48	1s46	17s25	1s40	6s25	1n53	20s45	0s35	22n31	0s55	6n33	0s35	20s28	0n 8	20n20	3s12	6n57	6n25	8s16	11s43	5n56
T 2	22 17	3s21	2 46	21 21	1 40	17 1	1 39	6 36	1 54	20 42	0 35	22 31	0 55	6 33	0 35	20 27	0 8	20 20	3 12	6 57	6 26	8 14	11 42	5 56
W 3	22 8	7 35	3 43	20 52	1 34	16 37	1 38	6 46	1 54	20 39	0 35	22 31	0 55	6 34	0 35	20 27	0 8	20 20	3 12	6 57	6 27	8 13	11 41	5 56
T 4	21 59	11 20	4 26	20 22	1 27	16 13	1 37	6 57	1 54	20 36	0 35	22 31	0 55	6 34	0 35	20 27	0 8	20 20	3 12	6 58	6 28	8 11	11 40	5 56
F 5	21 50	14 27	4 54	19 50	1 19	15 48	1 36	7 7	1 55	20 33	0 35	22 31	0 55	6 34	0 35	20 26	0 8	20 20	3 12	7 0	6 30	8 9	11 39	5 56
S 6	21 40	16 47	5 7	19 18	1 11	15 22	1 35	7 17	1 55	20 30	0 35	22 31	0 55	6 35	0 35	20 26	0 8	20 20	3 12	7 2	6 31	8 8	11 38	5 55
S 7	21 30	18 14	5 3	18 44	1 1	14 57	1 34	7 27	1 55	20 27	0 35	22 31	0 55	6 35	0 35	20 25	0 8	20 20	3 12	7 6	6 32	8 6	11 37	5 55
M 8	21 19	18 44	4 45	18 10	0 51	14 31	1 33	7 37	1 55	20 24	0 35	22 31	0 54	6 35	0 35	20 25	0 8	20 20	3 12	7 9	6 33	8 4	11 36	5 55
T 9	21 8	18 19	4 13	17 36	0 40	14 4	1 32	7 47	1 56	20 21	0 35	22 31	0 54	6 36	0 35	20 24	0 8	20 20	3 12	7 13	6 35	8 3	11 35	5 55
W10	20 57	17 3	3 29	17 1	0 28	13 37	1 30	7 57	1 56	20 17	0 35	22 31	0 54	6 36	0 35	20 24	0 8	20 20	3 12	7 16	6 36	8 1	11 34	5 55
T 11	20 45	15 1	2 37	16 26	0 15	13 10	1 29	8 7	1 56	20 14	0 35	22 31	0 54	6 37	0 35	20 23	0 8	20 21	3 12	7 18	6 37	7 59	11 33	5 55
F 12	20 33	12 21	1 38	15 52	0 1	12 43	1 28	8 17	1 56	20 11	0 36	22 31	0 54	6 37	0 35	20 23	0 8	20 21	3 11	7 20	6 38	7 58	11 32	5 55
S 13	20 20	9 13	0 35	15 19	0n14	12 15	1 26	8 26	1 56	20 8	0 36	22 31	0 54	6 38	0 35	20 22	0 8	20 21	3 11	7 20	6 39	7 56	11 31	5 55
S 14	20 7	5 44	0s29	14 47	0 29	11 47	1 24	8 36	1 57	20 4	0 36	22 31	0 53	6 38	0 35	20 22	0 8	20 21	3 11	7 21	6 41	7 54	11 30	5 54
M15	19 54	2 2	1 32	14 17	0 45	11 18	1 23	8 45	1 57	20 1	0 36	22 31	0 53	6 39	0 34	20 22	0 7	20 21	3 11	7 20	6 42	7 53	11 29	5 54
T 16	19 40	1n46	2 31	13 49	1 1	10 50	1 21	8 54	1 57	19 58	0 36	22 31	0 53	6 39	0 34	20 21	0 7	20 21	3 11	7 19	6 43	7 51	11 27	5 54
W17	19 26	5 32	3 25	13 23	1 18	10 21	1 19	9 3	1 57	19 55	0 36	22 31	0 53	6 40	0 34	20 21	0 7	20 21	3 11	7 19	6 44	7 49	11 26	5 54
T 18	19 11	9 8	4 10	13 1	1 35	9 51	1 17	9 12	1 58	19 51	0 36	22 31	0 53	6 40	0 34	20 20	0 7	20 21	3 11	7 19	6 46	7 48	11 25	5 54
F 19	18 57	12 25	4 45	12 42	1 53	9 22	1 15	9 21	1 58	19 48	0 36	22 31	0 53	6 41	0 34	20 20	0 7	20 21	3 11	7 19	6 47	7 46	11 24	5 54
S 20	18 41	15 13	5 6	12 26	2 10	8 52	1 13	9 30	1 58	19 45	0 36	22 31	0 52	6 42	0 34	20 19	0 7	20 21	3 11	7 20	6 48	7 44	11 23	5 54
S 21	18 26	17 19	5 13	12 14	2 26	8 22	1 11	9 39	1 58	19 41	0 36	22 31	0 52	6 42	0 34	20 19	0 7	20 21	3 11	7 21	6 49	7 42	11 22	5 54
M22	18 10	18 30	5 1	12 7	2 42	7 52	1 9	9 47	1 58	19 38	0 36	22 31	0 52	6 43	0 34	20 18	0 7	20 21	3 10	7 23	6 50	7 41	11 21	5 54
T 23	17 54	18 34	4 31	12 4	2 56	7 22	1 6	9 56	1 58	19 34	0 36	22 31	0 52	6 43	0 34	20 18	0 7	20 22	3 10	7 25	6 52	7 39	11 19	5 54
W24	17 38	17 24	3 42	12 5	3 9	6 51	1 4	10 4	1 59	19 31	0 37	22 31	0 52	6 44	0 34	20 17	0 7	20 22	3 10	7 27	6 53	7 37	11 18	5 54
T 25	17 21	15 2	2 38	12 10	3 21	6 21	1 1	10 12	1 59	19 27	0 37	22 31	0 52	6 45	0 34	20 17	0 7	20 22	3 10	7 28	6 54	7 36	11 17	5 54
F 26	17 4	11 37	1 21	12 18	3 30	5 50	0 59	10 20	1 59	19 24	0 37	22 31	0 51	6 46	0 34	20 17	0 7	20 22	3 10	7 29	6 55	7 34	11 16	5 54
S 27	16 47	7 27	0n 1	12 30	3 37	5 19	0 56	10 28	1 59	19 20	0 37	22 31	0 51	6 46	0 34	20 16	0 7	20 22	3 10	7 29	6 56	7 32	11 15	5 54
S 28	16 29	2 51	1 22	12 45	3 43	4 48	0 54	10 36	1 59	19 17	0 37	22 31	0 51	6 47	0 34	20 16	0 7	20 22	3 10	7 29	6 58	7 31	11 13	5 54
M29	16 11	1s50	2 36	13 2	3 45	4 17	0 51	10 44	1 59	19 13	0 37	22 32	0 51	6 48	0 34	20 15	0 7	20 22	3 10	7 28	6 59	7 29	11 12	5 54
T 30	15 53	6 18	3 39	13 21	3 46	3 45	0 48	10 51	2 0	19 10	0 37	22 32	0 51	6 49	0 34	20 15	0 7	20 22	3 10	7 28	7 0	7 27	11 11	5 54
W31	15s34	10s18	4n27	13s41	3n44	3s14	0s45	10s59	2n 0	19s 6	0s37	22n32	0s50	6n49	0s34	20s14	0n 7	20n22	3s 9	7n27	7n 1	7s25	11s10	5n54

Julian Day Number = 2151687.5, Delta T = 14m08s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'35, Lahiri = 12°24'35 Julian Calendar 1 Jan. 1179 == Greg. Calendar 8 Jan. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

FEBRUARY 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 9 10	18♒46'31	22♏26	10°R57	24♓50	4♏12	7♒37	23°R10	18♈42	29♉28	28°R 7	11°R 3	12♍ 7	10♓57	13♒41	T 1
F 2	9 13 7	19°46'58	5♐39	9♒58	26° 2	4°34	7°51	23♊ 8	18°44	29°30	28♊ 6	11♍ 2	12° 4	11° 3	13°45	F 2
S 3	9 17 3	20°47'25	18°33	9° 5	27°15	4°55	8° 5	23° 7	18°47	29°33	28° 5	11° 0	12° 1	11°10	13°49	S 3
S 4	9 21 0	21°47'50	1♉11	8°19	28°27	5°16	8°19	23° 6	18°49	29°35	28° 5	10°57	11°58	11°16	13°54	S 4
M 5	9 24 56	22°48'14	13°35	7°39	29°39	5°37	8°34	23° 4	18°51	29°37	28° 4	10°55	11°55	11°23	13°58	M 5
T 6	9 28 53	23°48'36	25°48	7° 7	0♈51	5°57	8°48	23° 3	18°53	29°39	28° 3	10°52	11°52	11°30	14° 3	T 6
W 7	9 32 49	24°48'56	7♒52	6°42	2° 3	6°17	9° 2	23° 2	18°55	29°41	28° 3	10°49	11°48	11°36	14° 7	W 7
T 8	9 36 46	25°49'14	19°48	6°24	3°15	6°36	9°16	23° 1	18°58	29°43	28° 2	10°47	11°45	11°43	14°11	T 8
F 9	9 40 42	26°49'31	1♓39	6°13	4°26	6°56	9°30	23° 0	19° 0	29°45	28° 2	10°46	11°42	11°50	14°16	F 9
S 10	9 44 39	27°49'46	13°27	6°D 9	5°38	7°14	9°44	22°59	19° 3	29°47	28° 1	10°D46	11°39	11°56	14°20	S 10
S 11	9 48 36	28°49'59	25°14	6°12	6°49	7°33	9°58	22°59	19° 5	29°49	28° 0	10°47	11°36	12° 3	14°24	S 11
M12	9 52 32	29°50'10	7♈ 2	6°21	8° 1	7°50	10°12	22°58	19° 8	29°51	28° 0	10°48	11°32	12°10	14°28	M12
T 13	9 56 29	0♓50'19	18°55	6°36	9°12	8° 8	10°26	22°58	19°10	29°54	27°59	10°49	11°29	12°16	14°33	T 13
W14	10 0 25	1°50'26	0♉56	6°56	10°23	8°25	10°39	22°57	19°13	29°56	27°59	10°50	11°26	12°23	14°37	W14
T 15	10 4 22	2°50'31	13° 9	7°22	11°35	8°42	10°53	22°57	19°15	29°58	27°59	10°50	11°23	12°30	14°41	T 15
F 16	10 8 18	3°50'34	25°38	7°53	12°46	8°58	11° 7	22°D57	19°18	29°59	27°58	10°51	11°20	12°36	14°46	F 16
S 17	10 12 15	4°50'34	8♊27	8°27	13°57	9°13	11°21	22°57	19°21	0♒ 1	27°58	10°R51	11°17	12°43	14°50	S 17
S 18	10 16 11	5°50'32	21°40	9° 7	15° 7	9°29	11°35	22°57	19°23	0° 3	27°57	10°51	11°13	12°49	14°54	S 18
M19	10 20 8	6°50'29	5♋19	9°50	16°18	9°43	11°48	22°57	19°26	0° 5	27°57	10°50	11°10	12°56	14°58	M19
T 20	10 24 5	7°50'22	19°26	10°37	17°29	9°58	12° 2	22°58	19°29	0° 7	27°57	10°50	11° 7	13° 3	15° 2	T 20
W21	10 28 1	8°50'14	3♌58	11°27	18°39	10°12	12°15	22°58	19°31	0° 9	27°56	10°50	11° 4	13° 9	15° 6	W21
T 22	10 31 58	9°50'03	18°52	12°20	19°49	10°25	12°29	22°59	19°34	0°11	27°56	10°50	11° 1	13°16	15°11	T 22
F 23	10 35 54	10°49'50	4♍ 1	13°17	20°59	10°38	12°42	23° 0	19°37	0°13	27°56	10°50	10°58	13°23	15°15	F 23
S 24	10 39 51	11°49'36	19°15	14°16	22° 9	10°50	12°56	23° 0	19°40	0°15	27°56	10°49	10°54	13°29	15°19	S 24
S 25	10 43 47	12°49'19	4♎25	15°18	23°19	11° 2	13° 9	23° 1	19°43	0°16	27°55	10°49	10°51	13°36	15°23	S 25
M26	10 47 44	13°49'00	19°22	16°22	24°29	11°13	13°23	23° 2	19°46	0°18	27°55	10°49	10°48	13°43	15°27	M26
T 27	10 51 40	14°48'39	3♏58	17°29	25°39	11°23	13°36	23° 4	19°49	0°20	27°55	10°49	10°45	13°49	15°31	T 27
W28	10 55 37	15♓48'17	18♏ 9	18♒38	26♈48	11♏33	13♒49	23♊ 5	19♈52	0♒22	27♊55	10♍48	10♍42	13♓56	15♒35	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s16	13s38	4n59	14s 2	3n40	2s42	0s42	11s 6	2n 0	19s 3	0s37	22n32	0s50	6n50	0s34	20s14	0n 7	20n23	3s 9	7n27	7n 3	7s24	11s 8	5n54
F 2	14 57	16 11	5 14	14 24	3 34	2 11	0 39	11 13	2 0	18 59	0 37	22 32	0 50	6 51	0 34	20 13	0 7	20 23	3 9	7 28	7 4	7 22	11 7	5 54
S 3	14 38	17 51	5 13	14 45	3 26	1 39	0 36	11 20	2 0	18 56	0 38	22 32	0 50	6 52	0 34	20 13	0 7	20 23	3 9	7 28	7 5	7 20	11 6	5 54
S 4	14 18	18 36	4 56	15 6	3 17	1 8	0 33	11 27	2 0	18 52	0 38	22 32	0 50	6 53	0 34	20 13	0 7	20 23	3 9	7 29	7 6	7 19	11 5	5 54
M 5	13 58	18 26	4 26	15 26	3 7	0 36	0 30	11 34	2 0	18 49	0 38	22 32	0 50	6 54	0 34	20 12	0 7	20 23	3 9	7 30	7 7	7 17	11 3	5 54
T 6	13 39	17 24	3 44	15 45	2 55	0 4	0 27	11 40	2 0	18 45	0 38	22 32	0 49	6 55	0 34	20 12	0 7	20 23	3 9	7 32	7 9	7 15	11 2	5 54
W 7	13 18	15 36	2 52	16 3	2 43	0n27	0 24	11 47	2 0	18 41	0 38	22 32	0 49	6 55	0 34	20 11	0 7	20 23	3 9	7 32	7 10	7 13	11 1	5 54
T 8	12 58	13 8	1 54	16 19	2 31	0 59	0 20	11 53	2 0	18 38	0 38	22 33	0 49	6 56	0 34	20 11	0 7	20 23	3 8	7 33	7 11	7 12	11 0	5 54
F 9	12 38	10 9	0 50	16 34	2 18	1 31	0 17	12 0	2 0	18 34	0 38	22 33	0 49	6 57	0 34	20 10	0 7	20 23	3 8	7 34	7 12	7 10	10 58	5 54
S 10	12 17	6 46	0s15	16 48	2 5	2 2	0 14	12 6	2 0	18 30	0 38	22 33	0 49	6 58	0 34	20 10	0 7	20 24	3 8	7 34	7 14	7 8	10 57	5 54
S 11	11 56	3 7	1 19	17 0	1 51	2 34	0 10	12 12	2 0	18 27	0 38	22 33	0 48	6 59	0 34	20 9	0 7	20 24	3 8	7 33	7 15	7 7	10 56	5 54
M12	11 35	0n39	2 21	17 11	1 38	3 6	0 7	12 17	2 0	18 23	0 39	22 33	0 48	7 0	0 34	20 9	0 7	20 24	3 8	7 33	7 16	7 5	10 55	5 54
T 13	11 13	4 25	3 17	17 20	1 25	3 37	0 3	12 23	2 0	18 19	0 39	22 33	0 48	7 1	0 34	20 9	0 7	20 24	3 8	7 33	7 17	7 3	10 53	5 54
W14	10 52	8 2	4 4	17 28	1 12	4 8	0n 1	12 29	2 0	18 16	0 39	22 34	0 48	7 2	0 34	20 8	0 7	20 24	3 8	7 32	7 18	7 1	10 52	5 54
T 15	10 30	11 22	4 42	17 34	0 59	4 40	0 4	12 34	2 0	18 12	0 39	22 34	0 48	7 3	0 34	20 8	0 7	20 24	3 8	7 32	7 20	7 0	10 51	5 54
F 16	10 9	14 17	5 7	17 38	0 46	5 11	0 8	12 39	2 0	18 8	0 39	22 34	0 47	7 4	0 33	20 7	0 7	20 24	3 7	7 32	7 21	6 58	10 49	5 54
S 17	9 47	16 35	5 18	17 41	0 34	5 42	0 12	12 44	2 0	18 5	0 39	22 34	0 47	7 5	0 33	20 7	0 7	20 24	3 7	7 32	7 22	6 56	10 48	5 55
S 18	9 25	18 5	5 12	17 42	0 22	6 13	0 15	12 49	2 0	18 1	0 39	22 34	0 47	7 6	0 33	20 7	0 7	20 24	3 7	7 32	7 23	6 54	10 47	5 55
M19	9 2	18 37	4 50	17 42	0 10	6 44	0 19	12 54	1 59	17 57	0 39	22 34	0 47	7 7	0 33	20 6	0 7	20 25	3 7	7 32	7 24	6 53	10 46	5 55
T 20	8 40	18 1	4 9	17 40	0s 1	7 14	0 23	12 59	1 59	17 54	0 40	22 35	0 47	7 8	0 33	20 6	0 7	20 25	3 7	7 32	7 26	6 51	10 44	5 55
W21	8 17	16 15	3 11	17 37	0 12	7 45	0 27	13 3	1 59	17 50	0 40	22 35	0 47	7 9	0 33	20 5	0 7	20 25	3 7	7 32	7 27	6 49	10 43	5 55
T 22	7 55	13 21	1 59	17 32	0 22	8 15	0 31	13 8	1 59	17 46	0 40	22 35	0 46	7 11	0 33	20 5	0 7	20 25	3 7	7 32	7 28	6 47	10 42	5 55
F 23	7 32	9 30	0 38	17 25	0 32	8 45	0 34	13 12	1 59	17 42	0 40	22 35	0 46	7 12	0 33	20 5	0 7	20 25	3 7	7 32	7 29	6 46	10 40	5 55
S 24	7 9	4 59	0n47	17 17	0 42	9 15	0 38	13 16	1 58	17 39	0 40	22 36	0 46	7 13	0 33	20 4	0 7	20 25	3 6	7 32	7 30	6 44	10 39	5 55
S 25	6 47	0 11	2 8	17 8	0 51	9 45	0 42	13 20	1 58	17 35	0 40	22 36	0 46	7 14	0 33	20 4	0 7	20 25	3 6	7 32	7 32	6 42	10 38	5 55
M26	6 24	4s33	3 19	16 57	1 0	10 15	0 46	13 23	1 58	17 31	0 40	22 36	0 46	7 15	0 33	20 3	0 7	20 25	3 6	7 32	7 33	6 40	10 36	5 56
T 27	6 0	8 54	4 15	16 45	1 8	10 44	0 50	13 27	1 58	17 28	0 41	22 36	0 45	7 16	0 33	20 3	0 7	20 26	3 6	7 33	7 34	6 39	10 35	5 56
W28	5s37	12s36	4n54	16s31	1s16	11n13	0n54	13s30	1n57	17s24	0s41	22n36	0s45	7n17	0s33	20s 3	0n 7	20n26	3s 6	7n33	7n35	6s37	10s34	5n56

Julian Day Number = 2151718.5, Delta T = 14m07s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'39, Lahiri = 12°24'40 Julian Calendar 1 Feb. 1179 == Greg. Calendar 8 Feb. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

MARCH 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 59 34	16♓47'52	1♐52	19♒49	27♈58	11♏43	14♒ 2	23♊ 6	19♈55	0♒23	27°R55	10°R48	10♍38	14♓ 3	15♒39	T 1
F 2	11 3 30	17°47'27	15°10	21° 2	29° 7	11°52	14°15	23° 8	19°58	0°25	27♊55	10°D48	10°35	14° 9	15°42	F 2
S 3	11 7 27	18°46'59	28° 4	22°17	0♉16	12° 0	14°29	23° 9	20° 1	0°27	27°55	10♍48	10°32	14°16	15°46	S 3
S 4	11 11 23	19°46'29	10♑36	23°34	1°25	12° 8	14°42	23°11	20° 4	0°29	27°55	10°48	10°29	14°23	15°50	S 4
M 5	11 15 20	20°45'58	22°53	24°53	2°34	12°15	14°55	23°13	20° 7	0°30	27°55	10°49	10°26	14°29	15°54	M 5
T 6	11 19 16	21°45'25	4♒56	26°14	3°42	12°21	15° 7	23°15	20°10	0°32	27°D55	10°50	10°23	14°36	15°58	T 6
W 7	11 23 13	22°44'50	16°51	27°36	4°51	12°27	15°20	23°17	20°13	0°33	27°55	10°51	10°19	14°42	16° 2	W 7
T 8	11 27 9	23°44'13	28°40	29° 0	5°59	12°32	15°33	23°19	20°16	0°35	27°55	10°52	10°16	14°49	16° 5	T 8
F 9	11 31 6	24°43'34	10♓27	0♓25	7° 7	12°36	15°46	23°21	20°20	0°36	27°55	10°R52	10°13	14°56	16° 9	F 9
S 10	11 35 2	25°42'53	22°14	1°52	8°15	12°40	15°58	23°23	20°23	0°38	27°55	10°52	10°10	15° 2	16°13	S 10
S 11	11 38 59	26°42'09	4♈ 3	3°21	9°23	12°42	16°11	23°26	20°26	0°39	27°55	10°51	10° 7	15° 9	16°16	S 11
M12	11 42 56	27°41'24	15°57	4°51	10°30	12°45	16°24	23°28	20°29	0°41	27°55	10°49	10° 3	15°16	16°20	M12
T 13	11 46 52	28°40'37	27°58	6°22	11°38	12°46	16°36	23°31	20°32	0°42	27°55	10°46	10° 0	15°22	16°23	T 13
W14	11 50 49	29°39'47	10♉ 7	7°55	12°45	12°47	16°48	23°34	20°36	0°44	27°55	10°43	9°57	15°29	16°27	W14
T 15	11 54 45	0♈38'55	22°28	9°30	13°52	12°R47	17° 1	23°37	20°39	0°45	27°56	10°40	9°54	15°36	16°30	T 15
F 16	11 58 42	1°38'01	5♊ 1	11° 6	14°59	12°46	17°13	23°40	20°42	0°46	27°56	10°38	9°51	15°42	16°34	F 16
S 17	12 2 38	2°37'04	17°52	12°43	16° 6	12°45	17°25	23°43	20°46	0°48	27°56	10°36	9°48	15°49	16°37	S 17
S 18	12 6 35	3°36'05	1♋ 1	14°22	17°12	12°43	17°37	23°46	20°49	0°49	27°56	10°D35	9°44	15°56	16°40	S 18
M19	12 10 31	4°35'04	14°31	16° 3	18°18	12°40	17°49	23°49	20°52	0°50	27°57	10°36	9°41	16° 2	16°44	M19
T 20	12 14 28	5°34'01	28°25	17°44	19°24	12°36	18° 1	23°52	20°56	0°51	27°57	10°37	9°38	16° 9	16°47	T 20
W21	12 18 25	6°32'55	12♌41	19°28	20°30	12°32	18°13	23°56	20°59	0°53	27°57	10°38	9°35	16°15	16°50	W21
T 22	12 22 21	7°31'46	27°19	21°13	21°36	12°27	18°24	23°59	21° 2	0°54	27°58	10°39	9°32	16°22	16°53	T 22
F 23	12 26 18	8°30'36	12♍15	22°59	22°41	12°21	18°36	24° 3	21° 6	0°55	27°58	10°R40	9°29	16°29	16°56	F 23
S 24	12 30 14	9°29'23	27°21	24°47	23°46	12°14	18°48	24° 7	21° 9	0°56	27°59	10°39	9°25	16°35	17° 0	S 24
S 25	12 34 11	10°28'08	12♎28	26°36	24°51	12° 6	18°59	24°11	21°13	0°57	27°59	10°37	9°22	16°42	17° 3	S 25
M26	12 38 7	11°26'51	27°29	28°27	25°55	11°58	19°10	24°15	21°16	0°58	27°59	10°33	9°19	16°49	17° 6	M26
T 27	12 42 4	12°25'32	12♏13	0♈19	26°59	11°49	19°22	24°19	21°19	0°59	28° 0	10°29	9°16	16°55	17° 8	T 27
W28	12 46 0	13°24'12	26°34	2°13	28° 3	11°40	19°33	24°23	21°23	1° 0	28° 0	10°24	9°13	17° 2	17°11	W28
T 29	12 49 57	14°22'49	10♐28	4° 9	29° 7	11°29	19°44	24°27	21°26	1° 1	28° 1	10°19	9° 9	17° 9	17°14	T 29
F 30	12 53 54	15°21'25	23°54	6° 6	0♊11	11°18	19°55	24°31	21°30	1° 2	28° 2	10°16	9° 6	17°15	17°17	F 30
S 31	12 57 50	16♈20'00	6♑52	8♈ 5	1♊14	11♏ 6	20♒ 6	24♊35	21♈33	1♒ 3	28♊ 2	10♍14	9♍ 3	17♓22	17♒20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s14	15s30	5n14	16s16	1s24	11n42	0n58	13s34	1n57	17s20	0s41	22n37	0s45	7n18	0s33	20s 2	0n 7	20n26	3s 6	7n33	7n37	6s35	10s33	5n56
F 2	4 51	17 28	5 17	15 59	1 31	12 10	1 2	13 37	1 57	17 17	0 41	22 37	0 45	7 20	0 33	20 2	0 7	20 26	3 6	7 33	7 38	6 33	10 31	5 56
S 3	4 27	18 28	5 4	15 41	1 38	12 39	1 6	13 40	1 56	17 13	0 41	22 37	0 45	7 21	0 33	20 2	0 7	20 26	3 6	7 33	7 39	6 32	10 30	5 56
S 4	4 4	18 32	4 36	15 21	1 44	13 7	1 10	13 42	1 56	17 9	0 41	22 38	0 45	7 22	0 33	20 1	0 7	20 26	3 5	7 33	7 40	6 30	10 29	5 57
M 5	3 40	17 42	3 56	15 0	1 49	13 34	1 14	13 45	1 55	17 6	0 41	22 38	0 44	7 23	0 33	20 1	0 7	20 26	3 5	7 32	7 41	6 28	10 27	5 57
T 6	3 17	16 6	3 7	14 38	1 55	14 2	1 18	13 47	1 55	17 2	0 42	22 38	0 44	7 24	0 33	20 1	0 7	20 26	3 5	7 32	7 43	6 26	10 26	5 57
W 7	2 53	13 48	2 10	14 14	2 0	14 29	1 22	13 50	1 54	16 58	0 42	22 38	0 44	7 26	0 33	20 0	0 7	20 27	3 5	7 32	7 44	6 25	10 25	5 57
T 8	2 30	10 56	1 7	13 49	2 4	14 56	1 26	13 52	1 53	16 55	0 42	22 39	0 44	7 27	0 33	20 0	0 7	20 27	3 5	7 31	7 45	6 23	10 24	5 57
F 9	2 6	7 39	0 2	13 22	2 8	15 22	1 30	13 54	1 53	16 51	0 42	22 39	0 44	7 28	0 33	20 0	0 7	20 27	3 5	7 31	7 46	6 21	10 22	5 58
S 10	1 43	4 3	1s 3	12 54	2 12	15 48	1 34	13 55	1 52	16 47	0 42	22 39	0 43	7 29	0 33	19 59	0 7	20 27	3 5	7 31	7 47	6 19	10 21	5 58
S 11	1 19	0 17	2 5	12 25	2 15	16 14	1 38	13 57	1 52	16 44	0 42	22 40	0 43	7 30	0 33	19 59	0 7	20 27	3 5	7 32	7 49	6 18	10 20	5 58
M12	0 55	3n30	3 2	11 54	2 17	16 39	1 42	13 58	1 51	16 40	0 43	22 40	0 43	7 32	0 33	19 59	0 7	20 27	3 4	7 33	7 50	6 16	10 19	5 58
T 13	0 32	7 11	3 52	11 22	2 19	17 4	1 46	13 59	1 50	16 36	0 43	22 40	0 43	7 33	0 33	19 58	0 7	20 27	3 4	7 34	7 51	6 14	10 17	5 58
W14	0 8	10 37	4 32	10 49	2 21	17 28	1 50	14 1	1 49	16 33	0 43	22 40	0 43	7 34	0 33	19 58	0 7	20 28	3 4	7 35	7 52	6 12	10 16	5 59
T 15	0n16	13 38	5 0	10 14	2 22	17 53	1 54	14 1	1 48	16 29	0 43	22 41	0 43	7 35	0 33	19 58	0 7	20 28	3 4	7 36	7 53	6 11	10 15	5 59
F 16	0 39	16 5	5 14	9 38	2 23	18 16	1 58	14 2	1 47	16 26	0 43	22 41	0 42	7 37	0 33	19 58	0 7	20 28	3 4	7 37	7 55	6 9	10 14	5 59
S 17	1 3	17 47	5 13	9 1	2 23	18 40	2 1	14 2	1 46	16 22	0 43	22 41	0 42	7 38	0 33	19 57	0 7	20 28	3 4	7 37	7 56	6 7	10 12	5 59
S 18	1 26	18 37	4 56	8 22	2 23	19 3	2 5	14 3	1 45	16 19	0 44	22 42	0 42	7 39	0 33	19 57	0 7	20 28	3 4	7 38	7 57	6 5	10 11	6 0
M19	1 50	18 24	4 22	7 42	2 22	19 25	2 9	14 3	1 44	16 15	0 44	22 42	0 42	7 40	0 33	19 57	0 7	20 28	3 3	7 38	7 58	6 3	10 10	6 0
T 20	2 13	17 6	3 32	7 1	2 20	19 47	2 13	14 3	1 43	16 12	0 44	22 42	0 42	7 42	0 33	19 56	0 7	20 28	3 3	7 37	7 59	6 2	10 9	6 0
W21	2 37	14 42	2 28	6 19	2 19	20 8	2 16	14 3	1 42	16 8	0 44	22 43	0 42	7 43	0 33	19 56	0 7	20 28	3 3	7 37	8 1	6 0	10 8	6 0
T 22	3 0	11 19	1 13	5 35	2 16	20 30	2 20	14 2	1 41	16 5	0 44	22 43	0 41	7 44	0 33	19 56	0 7	20 29	3 3	7 36	8 2	5 58	10 6	6 1
F 23	3 23	7 8	0n 9	4 50	2 14	20 50	2 24	14 1	1 40	16 1	0 44	22 43	0 41	7 46	0 33	19 56	0 7	20 29	3 3	7 36	8 3	5 56	10 5	6 1
S 24	3 47	2 27	1 30	4 4	2 10	21 10	2 27	14 1	1 39	15 58	0 45	22 44	0 41	7 47	0 33	19 56	0 7	20 29	3 3	7 36	8 4	5 54	10 4	6 1
S 25	4 10	2s24	2 46	3 17	2 6	21 30	2 31	14 0	1 37	15 54	0 45	22 44	0 41	7 48	0 33	19 55	0 7	20 29	3 3	7 37	8 5	5 53	10 3	6 1
M26	4 33	7 4	3 49	2 29	2 2	21 49	2 34	13 58	1 36	15 51	0 45	22 44	0 41	7 49	0 33	19 55	0 7	20 29	3 3	7 39	8 7	5 51	10 2	6 2
T 27	4 56	11 11	4 36	1 40	1 57	22 7	2 37	13 57	1 34	15 48	0 45	22 45	0 41	7 51	0 33	19 55	0 7	20 29	3 2	7 40	8 8	5 49	10 1	6 2
W28	5 19	14 33	5 4	0 49	1 52	22 25	2 41	13 55	1 33	15 44	0 45	22 45	0 40	7 52	0 33	19 55	0 7	20 29	3 2	7 42	8 9	5 47	10 0	6 2
T 29	5 42	16 57	5 13	0n 2	1 46	22 43	2 44	13 54	1 31	15 41	0 46	22 45	0 40	7 53	0 33	19 54	0 7	20 30	3 2	7 44	8 10	5 46	9 58	6 3
F 30	6 4	18 20	5 4	0 55	1 39	23 0	2 47	13 52	1 30	15 38	0 46	22 46	0 40	7 55	0 33	19 54	0 7	20 30	3 2	7 45	8 11	5 44	9 57	6 3
S 31	6n27	18s42	4n40	1n48	1s33	23n16	2n50	13s50	1n28	15s34	0s46	22n46	0s40	7n56	0s33	19s54	0n 7	20n30	3s 2	7n46	8n13	5s42	9s56	6n 3

Julian Day Number = 2151746.5, Delta T = 14m07s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'43, Lahiri = 12°24'43 Julian Calendar 1 March 1179 == Greg. Calendar 8 March 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

APRIL 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 47	17♈18'32	19♉27	10♈ 5	2♊17	10°R53	20♒17	24♊40	21♈37	1♒ 4	28♊ 3	10°D14	9♍ 0	17♓29	17♒22	S 1
M 2	13 5 43	18°17'03	1♒42	12° 6	3°19	10♏40	20°27	24°44	21°40	1° 5	28° 3	10♍15	8°57	17°35	17°25	M 2
T 3	13 9 40	19°15'32	13°43	14° 9	4°21	10°26	20°38	24°49	21°43	1° 6	28° 4	10°16	8°54	17°42	17°28	T 3
W 4	13 13 36	20°13'59	25°35	16°13	5°23	10°11	20°49	24°54	21°47	1° 6	28° 5	10°18	8°50	17°48	17°30	W 4
T 5	13 17 33	21°12'25	7♓22	18°18	6°25	9°55	20°59	24°59	21°50	1° 7	28° 5	10°R19	8°47	17°55	17°33	T 5
F 6	13 21 29	22°10'49	19° 8	20°25	7°26	9°39	21° 9	25° 3	21°54	1° 8	28° 6	10°18	8°44	18° 2	17°35	F 6
S 7	13 25 26	23° 9'11	0♈57	22°32	8°27	9°23	21°19	25° 8	21°57	1° 8	28° 7	10°16	8°41	18° 8	17°38	S 7
S 8	13 29 22	24° 7'32	12°52	24°40	9°28	9° 5	21°30	25°13	22° 1	1° 9	28° 7	10°12	8°38	18°15	17°40	S 8
M 9	13 33 19	25° 5'50	24°55	26°49	10°28	8°47	21°40	25°18	22° 4	1°10	28° 8	10° 6	8°34	18°22	17°42	M 9
T 10	13 37 16	26° 4'07	7♉ 7	28°58	11°27	8°29	21°49	25°24	22° 8	1°10	28° 9	9°58	8°31	18°28	17°45	T 10
W11	13 41 12	27° 2'22	19°31	1♉ 7	12°27	8°10	21°59	25°29	22°11	1°11	28°10	9°49	8°28	18°35	17°47	W11
T 12	13 45 9	28° 0'35	2♊ 6	3°16	13°26	7°51	22° 9	25°34	22°14	1°11	28°11	9°41	8°25	18°42	17°49	T 12
F 13	13 49 5	28°58'47	14°53	5°24	14°24	7°31	22°18	25°40	22°18	1°12	28°11	9°33	8°22	18°48	17°51	F 13
S 14	13 53 2	29°56'56	27°53	7°32	15°22	7°11	22°28	25°45	22°21	1°12	28°12	9°27	8°19	18°55	17°53	S 14
S 15	13 56 58	0♉55'03	11♋ 7	9°38	16°20	6°50	22°37	25°51	22°25	1°13	28°13	9°23	8°15	19° 2	17°55	S 15
M16	14 0 55	1°53'09	24°37	11°44	17°17	6°29	22°46	25°56	22°28	1°13	28°14	9°21	8°12	19° 8	17°57	M16
T 17	14 4 51	2°51'12	8♌23	13°47	18°14	6° 8	22°55	26° 2	22°32	1°14	28°15	9°D21	8° 9	19°15	17°59	T 17
W18	14 8 48	3°49'13	22°27	15°49	19°10	5°47	23° 4	26° 8	22°35	1°14	28°16	9°22	8° 6	19°22	18° 0	W18
T 19	14 12 45	4°47'13	6♍47	17°49	20° 6	5°26	23°13	26°13	22°38	1°14	28°17	9°R22	8° 3	19°28	18° 2	T 19
F 20	14 16 41	5°45'10	21°22	19°46	21° 1	5° 4	23°21	26°19	22°42	1°14	28°18	9°22	8° 0	19°35	18° 4	F 20
S 21	14 20 38	6°43'05	6♎ 8	21°40	21°55	4°42	23°30	26°25	22°45	1°15	28°19	9°19	7°56	19°41	18° 5	S 21
S 22	14 24 34	7°40'59	20°58	23°32	22°49	4°21	23°38	26°31	22°49	1°15	28°20	9°14	7°53	19°48	18° 7	S 22
M23	14 28 31	8°38'51	5♏45	25°21	23°43	3°59	23°46	26°37	22°52	1°15	28°21	9° 7	7°50	19°55	18° 8	M23
T 24	14 32 27	9°36'42	20°22	27° 6	24°35	3°37	23°54	26°43	22°55	1°15	28°22	8°58	7°47	20° 1	18°10	T 24
W25	14 36 24	10°34'31	4♐40	28°49	25°27	3°16	24° 2	26°50	22°59	1°15	28°23	8°49	7°44	20° 8	18°11	W25
T 26	14 40 20	11°32'18	18°35	0♊28	26°19	2°54	24°10	26°56	23° 2	1°15	28°24	8°39	7°40	20°15	18°13	T 26
F 27	14 44 17	12°30'05	2♑ 3	2° 4	27°10	2°33	24°18	27° 2	23° 5	1°R15	28°25	8°32	7°37	20°21	18°14	F 27
S 28	14 48 14	13°27'50	15° 5	3°36	28° 0	2°12	24°25	27° 8	23° 8	1°15	28°26	8°26	7°34	20°28	18°15	S 28
S 29	14 52 10	14°25'34	27°43	5° 5	28°49	1°51	24°33	27°15	23°12	1°15	28°27	8°23	7°31	20°35	18°16	S 29
M30	14 56 7	15♉23'17	10♒ 0	6♊31	29♊37	1♏31	24♒40	27♊21	23♈15	1♒15	28♊29	8♍21	7♍28	20♓41	18♒17	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n50	18s 7	4n 3	2n42	1s25	23n32	2n53	13s47	1n26	15s31	0s46	22n46	0s40	7n57	0s33	19s54	0n 7	20n30	3s 2	7n46	8n14	5s40	9s55	6n 3
M 2	7 12	16 42	3 15	3 37	1 17	23 48	2 56	13 45	1 24	15 28	0 46	22 47	0 40	7 59	0 33	19 54	0 7	20 30	3 2	7 46	8 15	5 38	9 54	6 4
T 3	7 34	14 33	2 20	4 33	1 9	24 2	2 59	13 42	1 23	15 25	0 46	22 47	0 40	8 0	0 33	19 54	0 7	20 30	3 2	7 45	8 16	5 37	9 53	6 4
W 4	7 56	11 48	1 19	5 29	1 0	24 17	3 2	13 39	1 21	15 21	0 47	22 47	0 39	8 1	0 33	19 53	0 7	20 30	3 1	7 44	8 17	5 35	9 52	6 4
T 5	8 18	8 36	0 16	6 25	0 51	24 30	3 5	13 36	1 19	15 18	0 47	22 48	0 39	8 2	0 33	19 53	0 7	20 30	3 1	7 44	8 19	5 33	9 51	6 5
F 6	8 40	5 3	0s48	7 22	0 42	24 44	3 7	13 33	1 17	15 15	0 47	22 48	0 39	8 4	0 33	19 53	0 7	20 31	3 1	7 44	8 20	5 31	9 50	6 5
S 7	9 2	1 18	1 50	8 19	0 32	24 56	3 10	13 30	1 15	15 12	0 47	22 48	0 39	8 5	0 33	19 53	0 7	20 31	3 1	7 45	8 21	5 29	9 49	6 5
S 8	9 24	2n32	2 47	9 16	0 21	25 8	3 12	13 27	1 13	15 9	0 48	22 49	0 39	8 6	0 33	19 53	0 7	20 31	3 1	7 47	8 22	5 28	9 48	6 6
M 9	9 45	6 18	3 38	10 12	0 11	25 19	3 15	13 23	1 10	15 6	0 48	22 49	0 39	8 8	0 33	19 53	0 7	20 31	3 1	7 49	8 23	5 26	9 47	6 6
T 10	10 7	9 52	4 19	11 9	0 1	25 30	3 17	13 19	1 8	15 3	0 48	22 49	0 38	8 9	0 33	19 53	0 7	20 31	3 1	7 52	8 25	5 24	9 46	6 6
W11	10 28	13 3	4 49	12 4	0n10	25 41	3 19	13 15	1 6	15 0	0 48	22 50	0 38	8 10	0 33	19 52	0 7	20 31	3 1	7 55	8 26	5 22	9 45	6 7
T 12	10 49	15 41	5 5	12 59	0 21	25 50	3 21	13 11	1 3	14 57	0 48	22 50	0 38	8 11	0 33	19 52	0 7	20 31	3 0	7 58	8 27	5 20	9 44	6 7
F 13	11 10	17 37	5 6	13 53	0 32	25 59	3 23	13 7	1 1	14 54	0 49	22 50	0 38	8 13	0 33	19 52	0 7	20 32	3 0	8 1	8 28	5 18	9 43	6 7
S 14	11 30	18 40	4 52	14 45	0 42	26 8	3 25	13 3	0 59	14 51	0 49	22 51	0 38	8 14	0 33	19 52	0 7	20 32	3 0	8 4	8 29	5 17	9 42	6 8
S 15	11 51	18 43	4 22	15 36	0 53	26 16	3 27	12 58	0 56	14 48	0 49	22 51	0 38	8 15	0 33	19 52	0 7	20 32	3 0	8 5	8 31	5 15	9 41	6 8
M16	12 11	17 44	3 37	16 25	1 3	26 23	3 28	12 54	0 54	14 46	0 49	22 51	0 38	8 17	0 33	19 52	0 7	20 32	3 0	8 6	8 32	5 13	9 40	6 8
T 17	12 31	15 41	2 39	17 12	1 13	26 30	3 29	12 49	0 51	14 43	0 49	22 52	0 37	8 18	0 33	19 52	0 7	20 32	3 0	8 6	8 33	5 11	9 39	6 9
W18	12 51	12 41	1 30	17 57	1 22	26 36	3 31	12 45	0 48	14 40	0 50	22 52	0 37	8 19	0 33	19 52	0 7	20 32	3 0	8 6	8 34	5 9	9 38	6 9
T 19	13 10	8 51	0 14	18 40	1 31	26 42	3 32	12 40	0 46	14 38	0 50	22 52	0 37	8 20	0 33	19 52	0 7	20 32	3 0	8 5	8 35	5 8	9 38	6 9
F 20	13 30	4 25	1n 4	19 21	1 39	26 47	3 33	12 36	0 43	14 35	0 50	22 53	0 37	8 22	0 33	19 52	0 7	20 32	3 0	8 6	8 37	5 6	9 37	6 10
S 21	13 49	0s20	2 18	19 59	1 47	26 51	3 34	12 31	0 40	14 32	0 50	22 53	0 37	8 23	0 33	19 52	0 7	20 33	2 59	8 7	8 38	5 4	9 36	6 10
S 22	14 8	5 4	3 24	20 35	1 55	26 55	3 34	12 26	0 37	14 30	0 51	22 53	0 37	8 24	0 33	19 52	0 7	20 33	2 59	8 8	8 39	5 2	9 35	6 11
M23	14 27	9 29	4 15	21 8	2 1	26 58	3 35	12 21	0 35	14 27	0 51	22 53	0 37	8 25	0 33	19 52	0 7	20 33	2 59	8 11	8 40	5 0	9 34	6 11
T 24	14 45	13 16	4 49	21 39	2 7	27 1	3 35	12 17	0 32	14 25	0 51	22 54	0 36	8 27	0 33	19 52	0 7	20 33	2 59	8 14	8 41	4 58	9 34	6 11
W25	15 4	16 11	5 4	22 8	2 12	27 3	3 36	12 12	0 29	14 22	0 51	22 54	0 36	8 28	0 33	19 52	0 7	20 33	2 59	8 18	8 42	4 57	9 33	6 12
T 26	15 22	18 4	5 0	22 33	2 16	27 5	3 36	12 7	0 26	14 20	0 52	22 54	0 36	8 29	0 33	19 52	0 7	20 33	2 59	8 22	8 44	4 55	9 32	6 12
F 27	15 39	18 52	4 40	22 57	2 20	27 6	3 36	12 3	0 23	14 18	0 52	22 55	0 36	8 30	0 33	19 52	0 7	20 33	2 59	8 24	8 45	4 53	9 31	6 12
S 28	15 57	18 38	4 5	23 18	2 22	27 7	3 35	11 58	0 20	14 15	0 52	22 55	0 36	8 32	0 33	19 52	0 7	20 33	2 59	8 27	8 46	4 51	9 31	6 13
S 29	16 14	17 27	3 19	23 36	2 24	27 7	3 35	11 54	0 18	14 13	0 52	22 55	0 36	8 33	0 33	19 52	0 7	20 33	2 59	8 28	8 47	4 49	9 30	6 13
M30	16n31	15s29	2n25	23n52	2n25	27n 7	3n34	11s49	0n15	14s11	0s53	22n55	0s36	8n34	0s33	19s52	0n 7	20n34	2s58	8n28	8n48	4s47	9s29	6n13

Julian Day Number = 2151777.5, Delta T = 14m07s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'47, Lahiri = 12°24'48 Julian Calendar 1 Apr. 1179 == Greg. Calendar 8 Apr. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

MAY 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 0 3	16♉20'59	22♒ 2	7♊53	0♋25	1°R10	24♒47	27♊28	23♈18	1°R15	28♊30	8°D21	7♍25	20♓48	18♒18	T 1
W 2	15 4 0	17°18'39	3♓54	9°11	1°12	0♏51	24°54	27°34	23°22	1♒15	28°31	8°R22	7°21	20°55	18°19	W 2
T 3	15 7 56	18°16'19	15°42	10°26	1°58	0°31	25° 1	27°41	23°25	1°15	28°32	8♍21	7°18	21° 1	18°20	T 3
F 4	15 11 53	19°13'57	27°30	11°36	2°43	0°12	25° 8	27°48	23°28	1°15	28°33	8°20	7°15	21° 8	18°21	F 4
S 5	15 15 49	20°11'34	9♈23	12°43	3°28	29♎54	25°14	27°54	23°31	1°14	28°35	8°16	7°12	21°15	18°22	S 5
S 6	15 19 46	21° 9'11	21°24	13°47	4°11	29°36	25°20	28° 1	23°34	1°14	28°36	8° 9	7° 9	21°21	18°22	S 6
M 7	15 23 43	22° 6'46	3♉37	14°46	4°53	29°19	25°27	28° 8	23°37	1°14	28°37	8° 0	7° 6	21°28	18°23	M 7
T 8	15 27 39	23° 4'20	16° 4	15°41	5°35	29° 2	25°33	28°15	23°41	1°13	28°38	7°49	7° 2	21°35	18°24	T 8
W 9	15 31 36	24° 1'53	28°44	16°33	6°15	28°46	25°39	28°22	23°44	1°13	28°40	7°36	6°59	21°41	18°24	W 9
T 10	15 35 32	24°59'25	11♊38	17°20	6°54	28°31	25°44	28°29	23°47	1°13	28°41	7°24	6°56	21°48	18°25	T 10
F 11	15 39 29	25°56'55	24°45	18° 3	7°32	28°16	25°50	28°36	23°50	1°12	28°42	7°13	6°53	21°54	18°25	F 11
S 12	15 43 25	26°54'25	8♋ 4	18°41	8° 9	28° 2	25°55	28°43	23°53	1°12	28°43	7° 3	6°50	22° 1	18°25	S 12
S 13	15 47 22	27°51'53	21°34	19°16	8°45	27°49	26° 0	28°50	23°56	1°11	28°45	6°57	6°46	22° 8	18°26	S 13
M14	15 51 18	28°49'20	5♌14	19°46	9°19	27°36	26° 5	28°57	23°59	1°11	28°46	6°53	6°43	22°14	18°26	M14
T 15	15 55 15	29°46'46	19° 4	20°11	9°52	27°24	26°10	29° 4	24° 2	1°10	28°47	6°52	6°40	22°21	18°26	T 15
W16	15 59 12	0♊44'10	3♍ 3	20°32	10°24	27°13	26°15	29°11	24° 5	1°10	28°49	6°51	6°37	22°28	18°26	W16
T 17	16 3 8	1°41'33	17°12	20°48	10°54	27° 3	26°19	29°18	24° 8	1° 9	28°50	6°51	6°34	22°34	18°R26	T 17
F 18	16 7 5	2°38'55	1♎30	21° 0	11°23	26°54	26°24	29°26	24°10	1° 8	28°51	6°50	6°31	22°41	18°26	F 18
S 19	16 11 1	3°36'15	15°53	21° 7	11°50	26°45	26°28	29°33	24°13	1° 8	28°53	6°46	6°27	22°48	18°26	S 19
S 20	16 14 58	4°33'35	0♏19	21°R 9	12°15	26°38	26°32	29°40	24°16	1° 7	28°54	6°40	6°24	22°54	18°26	S 20
M21	16 18 54	5°30'53	14°43	21° 7	12°39	26°31	26°36	29°48	24°19	1° 6	28°56	6°31	6°21	23° 1	18°25	M21
T 22	16 22 51	6°28'11	28°59	21° 1	13° 1	26°25	26°39	29°55	24°22	1° 6	28°57	6°20	6°18	23° 8	18°25	T 22
W23	16 26 47	7°25'28	13♐ 1	20°50	13°21	26°19	26°43	0♋ 2	24°24	1° 5	28°58	6° 8	6°15	23°14	18°25	W23
T 24	16 30 44	8°22'44	26°44	20°35	13°40	26°15	26°46	0°10	24°27	1° 4	29° 0	5°57	6°12	23°21	18°24	T 24
F 25	16 34 41	9°20'00	10♑ 5	20°17	13°56	26°11	26°49	0°17	24°30	1° 3	29° 1	5°47	6° 8	23°28	18°24	F 25
S 26	16 38 37	10°17'15	23° 4	19°55	14°11	26° 8	26°52	0°25	24°33	1° 2	29° 3	5°39	6° 5	23°34	18°23	S 26
S 27	16 42 34	11°14'30	5♒40	19°29	14°24	26° 6	26°55	0°32	24°35	1° 2	29° 4	5°34	6° 2	23°41	18°23	S 27
M28	16 46 30	12°11'44	17°58	19° 1	14°34	26° 5	26°58	0°40	24°38	1° 1	29° 6	5°31	5°59	23°48	18°22	M28
T 29	16 50 27	13° 8'58	0♓ 1	18°31	14°42	26°D 5	27° 0	0°47	24°40	1° 0	29° 7	5°30	5°56	23°54	18°21	T 29
W30	16 54 23	14° 6'12	11°54	17°58	14°49	26° 5	27° 2	0°55	24°43	0°59	29° 9	5°30	5°52	24° 1	18°21	W30
T 31	16 58 20	15♊ 3'25	23♓43	17♊25	14♋52	26♎ 7	27♒ 4	1♋ 3	24♈45	0♒58	29♊10	5♍30	5♍49	24♓ 7	18♒20	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n48	12s52	1n26	24n 6	2n25	27n 6	3n33	11s45	0n12	14s 9	0s53	22n56	0s36	8n35	0s33	19s52	0n 7	20n34	2s58	8n28	8n50	4s46	9s29	6n14
W 2	17 4	9 45	0 24	24 18	2 25	27 4	3 32	11 41	0 9	14 7	0 53	22 56	0 35	8 36	0 33	19 52	0 7	20 34	2 58	8 28	8 51	4 44	9 28	6 14
T 3	17 21	6 16	0s39	24 28	2 23	27 3	3 31	11 37	0 6	14 5	0 53	22 56	0 35	8 38	0 33	19 52	0 7	20 34	2 58	8 28	8 52	4 42	9 27	6 15
F 4	17 37	2 32	1 40	24 35	2 20	27 0	3 29	11 33	0 3	14 3	0 54	22 56	0 35	8 39	0 33	19 52	0 7	20 34	2 58	8 29	8 53	4 40	9 27	6 15
S 5	17 52	1n19	2 37	24 41	2 17	26 57	3 28	11 29	0 0	14 1	0 54	22 57	0 35	8 40	0 33	19 52	0 7	20 34	2 58	8 30	8 54	4 38	9 26	6 15
S 6	18 8	5 10	3 28	24 45	2 13	26 54	3 26	11 25	0s 3	13 59	0 54	22 57	0 35	8 41	0 33	19 52	0 7	20 34	2 58	8 33	8 56	4 36	9 25	6 16
M 7	18 23	8 52	4 9	24 47	2 7	26 50	3 23	11 22	0 5	13 57	0 54	22 57	0 35	8 42	0 33	19 52	0 7	20 34	2 58	8 36	8 57	4 34	9 25	6 16
T 8	18 37	12 15	4 40	24 47	2 1	26 46	3 21	11 18	0 8	13 55	0 55	22 57	0 35	8 43	0 33	19 52	0 7	20 35	2 58	8 41	8 58	4 33	9 24	6 16
W 9	18 52	15 7	4 58	24 45	1 54	26 42	3 18	11 15	0 11	13 53	0 55	22 57	0 35	8 45	0 33	19 52	0 7	20 35	2 58	8 45	8 59	4 31	9 24	6 17
T 10	19 6	17 19	5 0	24 42	1 47	26 37	3 15	11 12	0 14	13 52	0 55	22 58	0 34	8 46	0 33	19 52	0 7	20 35	2 57	8 50	9 0	4 29	9 23	6 17
F 11	19 20	18 39	4 47	24 38	1 38	26 31	3 12	11 10	0 17	13 50	0 55	22 58	0 34	8 47	0 33	19 52	0 6	20 35	2 57	8 54	9 1	4 27	9 23	6 18
S 12	19 33	19 0	4 19	24 31	1 28	26 26	3 9	11 7	0 19	13 48	0 56	22 58	0 34	8 48	0 33	19 52	0 6	20 35	2 57	8 57	9 3	4 25	9 22	6 18
S 13	19 46	18 16	3 35	24 24	1 18	26 20	3 5	11 5	0 22	13 47	0 56	22 58	0 34	8 49	0 33	19 53	0 6	20 35	2 57	9 0	9 4	4 23	9 22	6 18
M14	19 59	16 28	2 39	24 15	1 6	26 13	3 1	11 3	0 25	13 45	0 56	22 58	0 34	8 50	0 33	19 53	0 6	20 35	2 57	9 1	9 5	4 22	9 22	6 19
T 15	20 11	13 42	1 33	24 5	0 54	26 7	2 57	11 1	0 27	13 44	0 57	22 59	0 34	8 51	0 33	19 53	0 6	20 35	2 57	9 2	9 6	4 20	9 21	6 19
W16	20 24	10 7	0 20	23 53	0 41	25 59	2 52	11 0	0 30	13 43	0 57	22 59	0 34	8 52	0 33	19 53	0 6	20 35	2 57	9 2	9 7	4 18	9 21	6 20
T 17	20 35	5 55	0n55	23 41	0 28	25 52	2 47	10 58	0 32	13 41	0 57	22 59	0 34	8 53	0 33	19 53	0 6	20 35	2 57	9 2	9 9	4 16	9 20	6 20
F 18	20 47	1 20	2 6	23 27	0 13	25 44	2 42	10 57	0 35	13 40	0 57	22 59	0 34	8 54	0 33	19 53	0 6	20 36	2 57	9 3	9 10	4 14	9 20	6 20
S 19	20 58	3s21	3 11	23 13	0s 2	25 36	2 36	10 56	0 37	13 39	0 58	22 59	0 33	8 55	0 33	19 53	0 6	20 36	2 57	9 4	9 11	4 12	9 20	6 21
S 20	21 9	7 50	4 3	22 58	0 17	25 28	2 30	10 56	0 40	13 38	0 58	22 59	0 33	8 56	0 33	19 54	0 6	20 36	2 57	9 6	9 12	4 10	9 19	6 21
M21	21 19	11 52	4 40	22 41	0 33	25 20	2 24	10 56	0 42	13 37	0 58	22 59	0 33	8 58	0 33	19 54	0 6	20 36	2 56	9 10	9 13	4 8	9 19	6 21
T 22	21 29	15 10	4 58	22 25	0 50	25 11	2 17	10 56	0 45	13 36	0 58	23 0	0 33	8 59	0 33	19 54	0 6	20 36	2 56	9 14	9 14	4 7	9 19	6 22
W23	21 39	17 31	4 59	22 7	1 7	25 2	2 10	10 56	0 47	13 35	0 59	23 0	0 33	9 0	0 33	19 54	0 6	20 36	2 56	9 18	9 16	4 5	9 19	6 22
T 24	21 48	18 49	4 41	21 49	1 24	24 53	2 3	10 56	0 49	13 34	0 59	23 0	0 33	9 0	0 33	19 54	0 6	20 36	2 56	9 22	9 17	4 3	9 18	6 22
F 25	21 57	19 1	4 9	21 31	1 41	24 43	1 55	10 57	0 51	13 33	0 59	23 0	0 33	9 1	0 33	19 54	0 6	20 36	2 56	9 26	9 18	4 1	9 18	6 23
S 26	22 5	18 12	3 25	21 12	1 57	24 34	1 47	10 58	0 54	13 33	1 0	23 0	0 33	9 2	0 33	19 55	0 6	20 36	2 56	9 29	9 19	3 59	9 18	6 23
S 27	22 13	16 30	2 31	20 54	2 14	24 24	1 39	10 59	0 56	13 32	1 0	23 0	0 33	9 3	0 33	19 55	0 6	20 36	2 56	9 31	9 20	3 57	9 18	6 24
M28	22 21	14 4	1 32	20 35	2 31	24 14	1 30	11 1	0 58	13 31	1 0	23 0	0 32	9 4	0 33	19 55	0 6	20 36	2 56	9 32	9 21	3 55	9 18	6 24
T 29	22 29	11 4	0 29	20 17	2 46	24 4	1 21	11 3	1 0	13 31	1 0	23 0	0 32	9 5	0 33	19 55	0 6	20 37	2 56	9 32	9 23	3 54	9 18	6 24
W30	22 36	7 39	0s34	19 59	3 2	23 54	1 11	11 5	1 2	13 30	1 1	23 0	0 32	9 6	0 33	19 55	0 6	20 37	2 56	9 32	9 24	3 52	9 18	6 25
T 31	22n42	3s58	1s35	19n42	3s16	23n43	1n 1	11s 7	1s 4	13s30	1s 1	23n 0	0s32	9n 7	0s33	19s56	0n 6	20n37	2s56	9n32	9n25	3s50	9s17	6n25

Julian Day Number = 2151807.5, Delta T = 14m07s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'51, Lahiri = 12°24'52 Julian Calendar 1 May 1179 == Greg. Calendar 8 May 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

JUNE 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 2 16	16♊ 0'38	5♈33	16°R50	14°R54	26♎ 9	27♒ 6	1♋10	24♈48	0°R57	29♊11	5°R29	5♍46	24♓14	18°R19	F 1
S 2	17 6 13	16°57'51	17°29	16♊16	14♋54	26°12	27° 8	1°18	24°50	0♒56	29°13	5♍25	5°43	24°21	18♒18	S 2
S 3	17 10 10	17°55'04	29°36	15°42	14°51	26°15	27° 9	1°26	24°53	0°55	29°14	5°20	5°40	24°27	18°17	S 3
M 4	17 14 6	18°52'17	11♉57	15° 9	14°45	26°20	27°10	1°33	24°55	0°54	29°16	5°11	5°37	24°34	18°16	M 4
T 5	17 18 3	19°49'29	24°35	14°38	14°38	26°25	27°11	1°41	24°57	0°52	29°17	5° 1	5°33	24°41	18°15	T 5
W 6	17 21 59	20°46'41	7♊32	14° 9	14°27	26°31	27°12	1°49	25° 0	0°51	29°19	4°49	5°30	24°47	18°13	W 6
T 7	17 25 56	21°43'54	20°45	13°42	14°15	26°37	27°13	1°57	25° 2	0°50	29°20	4°37	5°27	24°54	18°12	T 7
F 8	17 29 52	22°41'05	4♋15	13°19	14° 0	26°45	27°13	2° 4	25° 4	0°49	29°22	4°26	5°24	25° 1	18°11	F 8
S 9	17 33 49	23°38'17	17°58	12°59	13°43	26°53	27°14	2°12	25° 6	0°48	29°23	4°18	5°21	25° 7	18°10	S 9
S 10	17 37 45	24°35'28	1♌50	12°43	13°24	27° 2	27°R14	2°20	25° 8	0°47	29°25	4°12	5°18	25°14	18° 8	S 10
M11	17 41 42	25°32'39	15°50	12°31	13° 2	27°12	27°14	2°28	25°10	0°45	29°26	4° 8	5°14	25°21	18° 7	M11
T 12	17 45 39	26°29'50	29°55	12°23	12°38	27°22	27°13	2°35	25°12	0°44	29°28	4°D 7	5°11	25°27	18° 5	T 12
W13	17 49 35	27°27'00	14♍ 2	12°D20	12°12	27°33	27°13	2°43	25°14	0°43	29°29	4° 7	5° 8	25°34	18° 4	W13
T 14	17 53 32	28°24'10	28°10	12°22	11°44	27°45	27°12	2°51	25°16	0°42	29°31	4°R 7	5° 5	25°41	18° 2	T 14
F 15	17 57 28	29°21'19	12♎18	12°29	11°14	27°57	27°11	2°59	25°18	0°40	29°32	4° 7	5° 2	25°47	18° 0	F 15
S 16	18 1 25	0♋18'29	26°26	12°41	10°43	28°10	27°10	3° 7	25°20	0°39	29°34	4° 4	4°58	25°54	17°58	S 16
S 17	18 5 21	1°15'38	10♏30	12°58	10°10	28°24	27° 9	3°14	25°22	0°38	29°35	3°59	4°55	26° 1	17°57	S 17
M18	18 9 18	2°12'46	24°29	13°20	9°36	28°38	27° 7	3°22	25°24	0°36	29°37	3°52	4°52	26° 7	17°55	M18
T 19	18 13 14	3° 9'55	8♐19	13°47	9° 0	28°53	27° 6	3°30	25°26	0°35	29°38	3°43	4°49	26°14	17°53	T 19
W20	18 17 11	4° 7'04	21°56	14°19	8°24	29° 8	27° 4	3°38	25°27	0°33	29°40	3°33	4°46	26°21	17°51	W20
T 21	18 21 8	5° 4'13	5♑19	14°56	7°47	29°25	27° 2	3°46	25°29	0°32	29°41	3°24	4°43	26°27	17°49	T 21
F 22	18 25 4	6° 1'22	18°24	15°38	7°10	29°41	26°59	3°53	25°31	0°31	29°43	3°16	4°39	26°34	17°47	F 22
S 23	18 29 1	6°58'32	1♒11	16°25	6°32	29°58	26°57	4° 1	25°32	0°29	29°44	3° 9	4°36	26°41	17°45	S 23
S 24	18 32 57	7°55'42	13°40	17°17	5°55	0♏16	26°54	4° 9	25°34	0°28	29°46	3° 5	4°33	26°47	17°43	S 24
M25	18 36 54	8°52'52	25°54	18°14	5°18	0°35	26°52	4°17	25°35	0°26	29°47	3° 3	4°30	26°54	17°41	M25
T 26	18 40 50	9°50'03	7♓55	19°15	4°41	0°54	26°49	4°25	25°37	0°25	29°49	3°D 3	4°27	27° 1	17°38	T 26
W27	18 44 47	10°47'14	19°48	20°21	4° 5	1°13	26°46	4°32	25°38	0°23	29°50	3° 4	4°23	27° 7	17°36	W27
T 28	18 48 43	11°44'27	1♈37	21°32	3°30	1°33	26°42	4°40	25°40	0°22	29°52	3° 5	4°20	27°14	17°34	T 28
F 29	18 52 40	12°41'39	13°28	22°48	2°57	1°53	26°39	4°48	25°41	0°20	29°53	3°R 6	4°17	27°20	17°31	F 29
S 30	18 56 37	13♋38'53	25♈25	24♊ 8	2♋24	2♏14	26♒35	4♋56	25♈42	0♒19	29♊55	3♍ 5	4♍14	27♓27	17♒29	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n48	0s 7	2s32	19n25	3s29	23n33	0n50	11s10	1s 6	13s29	1s 1	23n 0	0s32	9n 8	0s33	19s56	0n 6	20n37	2s56	9n33	9n26	3s48	9s17	6n25
S 2	22 54	3n46	3 23	19 10	3 42	23 22	0 40	11 12	1 8	13 29	1 2	23 0	0 32	9 9	0 33	19 56	0 6	20 37	2 56	9 34	9 27	3 46	9 17	6 26
S 3	22 59	7 33	4 6	18 55	3 53	23 11	0 28	11 16	1 10	13 29	1 2	23 0	0 32	9 10	0 33	19 56	0 6	20 37	2 55	9 36	9 28	3 44	9 17	6 26
M 4	23 4	11 5	4 38	18 42	4 2	23 0	0 17	11 19	1 12	13 29	1 2	23 0	0 32	9 11	0 33	19 57	0 6	20 37	2 55	9 39	9 30	3 42	9 17	6 26
T 5	23 9	14 12	4 57	18 30	4 11	22 49	0 5	11 22	1 13	13 29	1 3	23 0	0 32	9 11	0 33	19 57	0 6	20 37	2 55	9 43	9 31	3 40	9 17	6 27
W 6	23 13	16 42	5 1	18 20	4 18	22 38	0s 7	11 26	1 15	13 29	1 3	23 0	0 32	9 12	0 33	19 57	0 6	20 37	2 55	9 47	9 32	3 38	9 17	6 27
T 7	23 17	18 24	4 50	18 11	4 23	22 27	0 20	11 30	1 17	13 29	1 3	23 0	0 31	9 13	0 33	19 57	0 6	20 37	2 55	9 51	9 33	3 37	9 17	6 27
F 8	23 20	19 6	4 22	18 4	4 27	22 15	0 33	11 34	1 18	13 29	1 3	23 0	0 31	9 14	0 33	19 58	0 6	20 37	2 55	9 55	9 34	3 35	9 18	6 28
S 9	23 23	18 43	3 39	17 59	4 30	22 4	0 46	11 39	1 20	13 29	1 4	23 0	0 31	9 15	0 33	19 58	0 6	20 37	2 55	9 59	9 36	3 33	9 18	6 28
S 10	23 26	17 12	2 43	17 56	4 31	21 52	1 0	11 44	1 22	13 29	1 4	23 0	0 31	9 15	0 33	19 58	0 6	20 37	2 55	10 1	9 37	3 31	9 18	6 28
M11	23 28	14 38	1 36	17 55	4 31	21 41	1 13	11 49	1 23	13 30	1 4	23 0	0 31	9 16	0 33	19 58	0 6	20 38	2 55	10 2	9 38	3 29	9 18	6 29
T 12	23 30	11 12	0 22	17 55	4 30	21 29	1 27	11 54	1 25	13 30	1 5	23 0	0 31	9 17	0 33	19 59	0 6	20 38	2 55	10 3	9 39	3 27	9 18	6 29
W13	23 31	7 7	0n53	17 58	4 27	21 18	1 41	11 59	1 26	13 30	1 5	23 0	0 31	9 18	0 33	19 59	0 6	20 38	2 55	10 3	9 40	3 25	9 18	6 29
T 14	23 32	2 38	2 5	18 2	4 23	21 6	1 56	12 5	1 28	13 31	1 5	23 0	0 31	9 18	0 33	19 59	0 6	20 38	2 55	10 2	9 41	3 23	9 18	6 30
F 15	23 33	1s59	3 9	18 8	4 18	20 55	2 10	12 11	1 29	13 32	1 5	23 0	0 31	9 19	0 33	20 0	0 6	20 38	2 55	10 3	9 43	3 21	9 19	6 30
S 16	23 33	6 29	4 2	18 16	4 11	20 43	2 24	12 16	1 30	13 32	1 6	23 0	0 31	9 20	0 33	20 0	0 6	20 38	2 55	10 4	9 44	3 20	9 19	6 30
S 17	23 32	10 37	4 39	18 25	4 4	20 31	2 38	12 23	1 32	13 33	1 6	23 0	0 31	9 20	0 33	20 0	0 6	20 38	2 55	10 5	9 45	3 18	9 19	6 30
M18	23 31	14 7	5 0	18 36	3 56	20 20	2 52	12 29	1 33	13 34	1 6	23 0	0 30	9 21	0 33	20 1	0 6	20 38	2 55	10 8	9 46	3 16	9 19	6 31
T 19	23 30	16 48	5 3	18 48	3 47	20 8	3 6	12 36	1 34	13 35	1 7	22 59	0 30	9 22	0 33	20 1	0 6	20 38	2 55	10 11	9 47	3 14	9 20	6 31
W20	23 29	18 29	4 49	19 1	3 37	19 57	3 20	12 42	1 36	13 35	1 7	22 59	0 30	9 22	0 33	20 1	0 6	20 38	2 54	10 15	9 48	3 12	9 20	6 31
T 21	23 27	19 7	4 19	19 16	3 27	19 46	3 33	12 49	1 37	13 36	1 7	22 59	0 30	9 23	0 33	20 1	0 6	20 38	2 54	10 18	9 50	3 10	9 20	6 32
F 22	23 24	18 43	3 36	19 31	3 16	19 35	3 46	12 56	1 38	13 37	1 8	22 59	0 30	9 23	0 33	20 2	0 6	20 38	2 54	10 21	9 51	3 8	9 21	6 32
S 23	23 22	17 20	2 42	19 48	3 4	19 24	3 59	13 3	1 39	13 39	1 8	22 59	0 30	9 24	0 33	20 2	0 6	20 38	2 54	10 24	9 52	3 6	9 21	6 32
S 24	23 18	15 10	1 42	20 5	2 52	19 14	4 11	13 11	1 40	13 40	1 8	22 59	0 30	9 24	0 33	20 2	0 6	20 38	2 54	10 25	9 53	3 4	9 22	6 32
M25	23 15	12 20	0 38	20 23	2 39	19 4	4 23	13 18	1 41	13 41	1 8	22 59	0 30	9 25	0 33	20 3	0 6	20 38	2 54	10 26	9 54	3 2	9 22	6 33
T 26	23 11	9 2	0s26	20 40	2 26	18 54	4 34	13 26	1 42	13 42	1 9	22 58	0 30	9 26	0 33	20 3	0 6	20 38	2 54	10 26	9 55	3 1	9 22	6 33
W27	23 6	5 25	1 29	20 59	2 13	18 44	4 44	13 34	1 44	13 44	1 9	22 58	0 30	9 26	0 33	20 3	0 6	20 38	2 54	10 25	9 57	2 59	9 23	6 33
T 28	23 1	1 37	2 28	21 17	2 0	18 35	4 54	13 42	1 45	13 45	1 9	22 58	0 30	9 26	0 33	20 4	0 6	20 38	2 54	10 25	9 58	2 57	9 23	6 33
F 29	22 56	2n16	3 20	21 35	1 46	18 27	5 4	13 50	1 46	13 47	1 10	22 58	0 30	9 27	0 33	20 4	0 6	20 39	2 54	10 25	9 59	2 55	9 24	6 34
S 30	22n50	6n 4	4s 5	21n52	1s33	18n19	5s13	13s58	1s46	13s48	1s10	22n58	0s29	9n27	0s34	20s 4	0n 6	20n39	2s54	10n25	10n 0	2s53	9s24	6n34

Julian Day Number = 2151838.5, Delta T = 14m07s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°17'56, Lahiri = 12°24'56 Julian Calendar 1 June 1179 == Greg. Calendar 8 June 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

JULY 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 0 33	14♋36'07	7♉34	25♊32	1°R54	2♏36	26°R31	5♋ 4	25♈43	0°R17	29♊56	3°R 2	4♍11	27♓34	17°R27	S 1
M 2	19 4 30	15°33'22	20° 0	27° 1	1♋25	2°58	26♒27	5°11	25°45	0♒15	29°58	2♍58	4° 8	27°40	17♒24	M 2
T 3	19 8 26	16°30'38	2♊44	28°33	0°58	3°20	26°23	5°19	25°46	0°14	29°59	2°52	4° 4	27°47	17°22	T 3
W 4	19 12 23	17°27'55	15°50	0♋10	0°32	3°43	26°18	5°27	25°47	0°12	0♋ 1	2°44	4° 1	27°54	17°19	W 4
T 5	19 16 19	18°25'13	29°18	1°51	0° 9	4° 6	26°14	5°34	25°48	0°11	0° 2	2°37	3°58	28° 0	17°17	T 5
F 6	19 20 16	19°22'31	13♋ 7	3°35	29♊49	4°30	26° 9	5°42	25°49	0° 9	0° 4	2°30	3°55	28° 7	17°14	F 6
S 7	19 24 12	20°19'50	27°12	5°22	29°30	4°54	26° 4	5°50	25°50	0° 8	0° 5	2°25	3°52	28°14	17°11	S 7
S 8	19 28 9	21°17'10	11♌30	7°13	29°14	5°19	25°59	5°57	25°51	0° 6	0° 7	2°21	3°49	28°20	17° 9	S 8
M 9	19 32 6	22°14'30	25°55	9° 7	29° 0	5°44	25°54	6° 5	25°52	0° 4	0° 8	2°D20	3°45	28°27	17° 6	M 9
T 10	19 36 2	23°11'51	10♍22	11° 3	28°48	6°10	25°49	6°13	25°52	0° 3	0° 9	2°20	3°42	28°34	17° 3	T 10
W11	19 39 59	24° 9'13	24°46	13° 2	28°39	6°36	25°43	6°20	25°53	0° 1	0°11	2°21	3°39	28°40	17° 0	W11
T 12	19 43 55	25° 6'35	9♎ 6	15° 2	28°32	7° 2	25°37	6°28	25°54	29♑59	0°12	2°22	3°36	28°47	16°58	T 12
F 13	19 47 52	26° 3'57	23°17	17° 4	28°28	7°29	25°32	6°35	25°55	29°58	0°14	2°R23	3°33	28°54	16°55	F 13
S 14	19 51 48	27° 1'21	7♏18	19° 7	28°D26	7°56	25°26	6°43	25°55	29°56	0°15	2°23	3°29	29° 0	16°52	S 14
S 15	19 55 45	27°58'45	21° 8	21°11	28°26	8°23	25°20	6°50	25°56	29°55	0°16	2°21	3°26	29° 7	16°49	S 15
M16	19 59 41	28°56'09	4♐47	23°16	28°28	8°51	25°13	6°58	25°56	29°53	0°18	2°17	3°23	29°14	16°46	M16
T 17	20 3 38	29°53'35	18°13	25°21	28°33	9°19	25° 7	7° 5	25°57	29°51	0°19	2°13	3°20	29°20	16°43	T 17
W18	20 7 35	0♌51'01	1♑26	27°26	28°40	9°48	25° 1	7°13	25°57	29°50	0°20	2° 8	3°17	29°27	16°40	W18
T 19	20 11 31	1°48'28	14°24	29°30	28°49	10°17	24°54	7°20	25°58	29°48	0°22	2° 3	3°14	29°34	16°37	T 19
F 20	20 15 28	2°45'57	27° 9	1♌35	29° 0	10°46	24°47	7°27	25°58	29°46	0°23	1°59	3°10	29°40	16°34	F 20
S 21	20 19 24	3°43'26	9♒40	3°38	29°14	11°16	24°41	7°35	25°58	29°45	0°24	1°56	3° 7	29°47	16°31	S 21
S 22	20 23 21	4°40'56	21°58	5°41	29°29	11°45	24°34	7°42	25°58	29°43	0°26	1°54	3° 4	29°54	16°28	S 22
M23	20 27 17	5°38'28	4♓ 4	7°42	29°46	12°16	24°27	7°49	25°59	29°42	0°27	1°D54	3° 1	0♈ 0	16°25	M23
T 24	20 31 14	6°36'01	16° 1	9°43	0♋ 5	12°46	24°20	7°56	25°59	29°40	0°28	1°54	2°58	0° 7	16°22	T 24
W25	20 35 10	7°33'35	27°52	11°42	0°26	13°17	24°12	8° 4	25°59	29°38	0°29	1°56	2°55	0°14	16°19	W25
T 26	20 39 7	8°31'11	9♈41	13°40	0°49	13°48	24° 5	8°11	25°R59	29°37	0°31	1°58	2°51	0°20	16°16	T 26
F 27	20 43 4	9°28'48	21°32	15°37	1°13	14°20	23°58	8°18	25°59	29°35	0°32	1°59	2°48	0°27	16°13	F 27
S 28	20 47 0	10°26'27	3♉29	17°32	1°39	14°51	23°50	8°25	25°59	29°34	0°33	2° 0	2°45	0°34	16°10	S 28
S 29	20 50 57	11°24'08	15°37	19°26	2° 7	15°23	23°43	8°32	25°58	29°32	0°34	2°R 0	2°42	0°40	16° 7	S 29
M30	20 54 53	12°21'50	28° 1	21°19	2°36	15°56	23°35	8°39	25°58	29°30	0°35	1°59	2°39	0°47	16° 4	M30
T 31	20 58 50	13♌19'34	10♊46	23♌10	3♋ 7	16♏28	23♒28	8♋46	25♈58	29♑29	0♋37	1♍58	2♍35	0♈54	16♒ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n44	9n42	4s39	22n 9	1s19	18n11	5s21	14s 6	1s47	13s50	1s10	22n57	0s29	9n28	0s34	20s 5	0n 6	20n39	2s54	10n26	10n 1	2s51	9s25	6n34
M 2	22 38	12 59	5 1	22 25	1 5	18 4	5 28	14 15	1 48	13 51	1 10	22 57	0 29	9 28	0 34	20 5	0 6	20 39	2 54	10 28	10 2	2 49	9 25	6 34
T 3	22 31	15 45	5 9	22 40	0 52	17 57	5 35	14 23	1 49	13 53	1 11	22 57	0 29	9 29	0 34	20 5	0 6	20 39	2 54	10 30	10 3	2 47	9 26	6 34
W 4	22 24	17 48	5 1	22 54	0 38	17 52	5 41	14 32	1 50	13 55	1 11	22 57	0 29	9 29	0 34	20 6	0 6	20 39	2 54	10 33	10 5	2 45	9 26	6 35
T 5	22 16	18 56	4 36	23 6	0 25	17 46	5 46	14 41	1 51	13 57	1 11	22 56	0 29	9 29	0 34	20 6	0 6	20 39	2 54	10 35	10 6	2 43	9 27	6 35
F 6	22 8	19 0	3 55	23 17	0 13	17 41	5 51	14 50	1 52	13 58	1 11	22 56	0 29	9 30	0 34	20 7	0 6	20 39	2 54	10 38	10 7	2 41	9 28	6 35
S 7	22 0	17 53	2 59	23 26	0 0	17 37	5 55	14 59	1 52	14 0	1 12	22 56	0 29	9 30	0 34	20 7	0 6	20 39	2 54	10 40	10 8	2 39	9 28	6 35
S 8	21 51	15 38	1 51	23 32	0n12	17 33	5 59	15 8	1 53	14 2	1 12	22 56	0 29	9 30	0 34	20 7	0 6	20 39	2 54	10 41	10 9	2 38	9 29	6 35
M 9	21 42	12 23	0 35	23 37	0 23	17 30	6 2	15 17	1 54	14 4	1 12	22 55	0 29	9 31	0 34	20 8	0 6	20 39	2 54	10 41	10 10	2 36	9 29	6 35
T 10	21 32	8 23	0n44	23 39	0 34	17 28	6 4	15 26	1 55	14 6	1 12	22 55	0 29	9 31	0 34	20 8	0 6	20 39	2 54	10 41	10 12	2 34	9 30	6 36
W11	21 23	3 54	1 59	23 38	0 44	17 26	6 6	15 35	1 55	14 8	1 13	22 55	0 29	9 31	0 34	20 8	0 6	20 39	2 54	10 41	10 13	2 32	9 31	6 36
T 12	21 12	0s45	3 7	23 35	0 53	17 25	6 8	15 45	1 56	14 11	1 13	22 55	0 29	9 31	0 34	20 9	0 6	20 39	2 54	10 41	10 14	2 30	9 32	6 36
F 13	21 2	5 20	4 2	23 29	1 2	17 24	6 8	15 54	1 57	14 13	1 13	22 54	0 28	9 32	0 34	20 9	0 6	20 39	2 54	10 40	10 15	2 28	9 32	6 36
S 14	20 51	9 33	4 43	23 20	1 10	17 23	6 9	16 4	1 57	14 15	1 13	22 54	0 28	9 32	0 34	20 9	0 6	20 39	2 54	10 40	10 16	2 26	9 33	6 36
S 15	20 39	13 12	5 6	23 8	1 17	17 23	6 9	16 13	1 58	14 17	1 14	22 54	0 28	9 32	0 34	20 10	0 6	20 39	2 54	10 41	10 17	2 24	9 34	6 36
M16	20 28	16 4	5 12	22 54	1 24	17 24	6 8	16 23	1 59	14 20	1 14	22 53	0 28	9 32	0 34	20 10	0 6	20 39	2 54	10 42	10 18	2 22	9 34	6 36
T 17	20 16	18 2	5 0	22 37	1 29	17 25	6 7	16 32	1 59	14 22	1 14	22 53	0 28	9 32	0 34	20 10	0 6	20 39	2 53	10 44	10 20	2 20	9 35	6 36
W18	20 3	19 0	4 33	22 18	1 34	17 26	6 6	16 42	2 0	14 24	1 14	22 53	0 28	9 32	0 34	20 11	0 6	20 39	2 53	10 46	10 21	2 18	9 36	6 37
T 19	19 51	18 56	3 51	21 56	1 38	17 28	6 4	16 52	2 0	14 27	1 14	22 52	0 28	9 33	0 34	20 11	0 6	20 39	2 53	10 47	10 22	2 16	9 37	6 37
F 20	19 38	17 53	2 59	21 32	1 41	17 30	6 2	17 2	2 1	14 29	1 15	22 52	0 28	9 33	0 34	20 12	0 6	20 39	2 53	10 49	10 23	2 14	9 38	6 37
S 21	19 24	16 0	1 59	21 6	1 44	17 33	6 0	17 11	2 1	14 32	1 15	22 52	0 28	9 33	0 34	20 12	0 6	20 39	2 53	10 50	10 24	2 12	9 38	6 37
S 22	19 11	13 23	0 54	20 38	1 45	17 35	5 57	17 21	2 2	14 34	1 15	22 51	0 28	9 33	0 34	20 12	0 6	20 39	2 53	10 51	10 25	2 11	9 39	6 37
M23	18 57	10 15	0s12	20 8	1 46	17 38	5 54	17 31	2 2	14 37	1 15	22 51	0 28	9 33	0 34	20 13	0 6	20 39	2 53	10 51	10 27	2 9	9 40	6 37
T 24	18 42	6 43	1 17	19 36	1 47	17 42	5 51	17 41	2 3	14 39	1 15	22 51	0 28	9 33	0 34	20 13	0 6	20 39	2 53	10 51	10 28	2 7	9 41	6 37
W25	18 28	2 58	2 18	19 3	1 46	17 45	5 48	17 51	2 3	14 42	1 16	22 50	0 28	9 33	0 34	20 13	0 6	20 39	2 53	10 50	10 29	2 5	9 42	6 37
T 26	18 13	0n53	3 14	18 28	1 45	17 49	5 44	18 1	2 3	14 45	1 16	22 50	0 28	9 33	0 34	20 14	0 6	20 39	2 53	10 49	10 30	2 3	9 43	6 37
F 27	17 57	4 43	4 1	17 52	1 44	17 52	5 40	18 11	2 4	14 47	1 16	22 49	0 28	9 33	0 34	20 14	0 6	20 39	2 53	10 49	10 31	2 1	9 43	6 37
S 28	17 42	8 22	4 38	17 15	1 41	17 56	5 36	18 20	2 4	14 50	1 16	22 49	0 27	9 33	0 34	20 14	0 6	20 39	2 53	10 49	10 32	1 59	9 44	6 37
S 29	17 26	11 45	5 3	16 37	1 39	18 0	5 32	18 30	2 5	14 52	1 16	22 49	0 27	9 33	0 34	20 15	0 6	20 39	2 53	10 48	10 33	1 57	9 45	6 37
M30	17 10	14 41	5 15	15 58	1 36	18 4	5 27	18 40	2 5	14 55	1 17	22 48	0 27	9 33	0 34	20 15	0 6	20 39	2 53	10 49	10 35	1 55	9 46	6 37
T 31	16n54	17n 0	5s12	15n18	1n32	18n 8	5s23	18s50	2s 5	14s58	1s17	22n48	0s27	9n33	0s34	20s15	0n 6	20n39	2s53	10n49	10n36	1s53	9s47	6n37

Julian Day Number = 2151868.5, Delta T = 14m06s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'00, Lahiri = 12°25'00 Julian Calendar 1 July 1179 == Greg. Calendar 8 July 1179

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1179
geocentric

AUGUST 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 2 46	14♌17'19	23♊53	25♌ 0	3♋39	17♏ 1	23°R20	8♋53	25°R58	29°R27	0♋38	1°R56	2♍32	1♈ 0	15°R58	W 1
T 2	21 6 43	15°15'07	7♋26	26°49	4°12	17°34	23♒12	9° 0	25♈58	29♑26	0°39	1♍53	2°29	1° 7	15♒55	T 2
F 3	21 10 39	16°12'55	21°23	28°36	4°47	18° 8	23° 4	9° 6	25°57	29°24	0°40	1°51	2°26	1°14	15°51	F 3
S 4	21 14 36	17°10'46	5♌43	0♍21	5°23	18°41	22°57	9°13	25°57	29°23	0°41	1°50	2°23	1°20	15°48	S 4
S 5	21 18 33	18° 8'38	20°20	2° 5	6° 0	19°15	22°49	9°20	25°56	29°21	0°42	1°49	2°20	1°27	15°45	S 5
M 6	21 22 29	19° 6'31	5♍ 8	3°48	6°39	19°49	22°41	9°26	25°56	29°20	0°43	1°D49	2°16	1°34	15°42	M 6
T 7	21 26 26	20° 4'26	20° 0	5°30	7°18	20°24	22°33	9°33	25°55	29°18	0°44	1°49	2°13	1°40	15°39	T 7
W 8	21 30 22	21° 2'22	4♎48	7°10	7°59	20°58	22°25	9°40	25°55	29°17	0°45	1°50	2°10	1°47	15°36	W 8
T 9	21 34 19	22° 0'20	19°26	8°49	8°40	21°33	22°17	9°46	25°54	29°15	0°46	1°51	2° 7	1°54	15°33	T 9
F 10	21 38 15	22°58'19	3♏50	10°27	9°23	22° 8	22° 9	9°53	25°53	29°14	0°47	1°51	2° 4	2° 0	15°30	F 10
S 11	21 42 12	23°56'19	17°55	12° 3	10° 7	22°44	22° 1	9°59	25°52	29°12	0°48	1°R52	2° 1	2° 7	15°27	S 11
S 12	21 46 8	24°54'21	1♐42	13°38	10°51	23°19	21°53	10° 5	25°52	29°11	0°49	1°52	1°57	2°14	15°24	S 12
M13	21 50 5	25°52'24	15°10	15°12	11°37	23°55	21°46	10°12	25°51	29° 9	0°50	1°51	1°54	2°20	15°21	M13
T 14	21 54 2	26°50'29	28°20	16°44	12°23	24°31	21°38	10°18	25°50	29° 8	0°51	1°51	1°51	2°27	15°18	T 14
W15	21 57 58	27°48'35	11♑13	18°15	13°10	25° 8	21°30	10°24	25°49	29° 7	0°52	1°50	1°48	2°34	15°15	W15
T 16	22 1 55	28°46'43	23°52	19°45	13°58	25°44	21°22	10°30	25°48	29° 5	0°53	1°50	1°45	2°40	15°12	T 16
F 17	22 5 51	29°44'52	6♒18	21°14	14°47	26°21	21°14	10°36	25°47	29° 4	0°54	1°50	1°41	2°47	15° 9	F 17
S 18	22 9 48	0♍43'03	18°33	22°41	15°36	26°57	21° 7	10°42	25°46	29° 2	0°55	1°49	1°38	2°54	15° 6	S 18
S 19	22 13 44	1°41'15	0♓38	24° 7	16°27	27°35	20°59	10°48	25°45	29° 1	0°56	1°49	1°35	3° 0	15° 3	S 19
M20	22 17 41	2°39'30	12°36	25°32	17°18	28°12	20°51	10°54	25°44	29° 0	0°57	1°49	1°32	3° 7	15° 0	M20
T 21	22 21 37	3°37'46	24°28	26°55	18° 9	28°49	20°44	11° 0	25°42	28°59	0°57	1°49	1°29	3°14	14°57	T 21
W22	22 25 34	4°36'04	6♈18	28°17	19° 2	29°27	20°36	11° 5	25°41	28°57	0°58	1°49	1°26	3°20	14°54	W22
T 23	22 29 31	5°34'24	18° 6	29°38	19°55	0♐ 5	20°29	11°11	25°40	28°56	0°59	1°49	1°22	3°27	14°51	T 23
F 24	22 33 27	6°32'46	29°58	0♎57	20°48	0°43	20°22	11°16	25°38	28°55	1° 0	1°48	1°19	3°34	14°49	F 24
S 25	22 37 24	7°31'10	11♉55	2°14	21°43	1°21	20°14	11°22	25°37	28°54	1° 0	1°47	1°16	3°40	14°46	S 25
S 26	22 41 20	8°29'37	24° 2	3°30	22°38	1°59	20° 7	11°27	25°36	28°53	1° 1	1°47	1°13	3°47	14°43	S 26
M27	22 45 17	9°28'06	6♊24	4°45	23°33	2°38	20° 0	11°33	25°34	28°51	1° 2	1°D47	1°10	3°54	14°40	M27
T 28	22 49 13	10°26'37	19° 4	5°58	24°29	3°16	19°53	11°38	25°33	28°50	1° 2	1°47	1° 6	4° 0	14°38	T 28
W29	22 53 10	11°25'10	2♋ 7	7° 9	25°25	3°55	19°46	11°43	25°31	28°49	1° 3	1°47	1° 3	4° 7	14°35	W29
T 30	22 57 6	12°23'45	15°34	8°18	26°22	4°34	19°40	11°48	25°30	28°48	1° 4	1°48	1° 0	4°14	14°32	T 30
F 31	23 1 3	13♍22'23	29♋29	9♎25	27♋20	5♐13	19♒33	11♋53	25♈28	28♑47	1♋ 4	1♍49	0♍57	4♈20	14♒30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n37	18n31	4s53	14n38	1n28	18n12	5s18	19s 0	2s 5	15s 1	1s17	22n48	0s27	9n32	0s34	20s16	0n 6	20n39	2s53	10n50	10n37	1s51	9s48	6n37
T 2	16 20	19 3	4 17	13 56	1 24	18 16	5 13	19 9	2 6	15 3	1 17	22 47	0 27	9 32	0 34	20 16	0 6	20 39	2 53	10 51	10 38	1 49	9 49	6 37
F 3	16 3	18 27	3 26	13 15	1 19	18 19	5 8	19 19	2 6	15 6	1 17	22 47	0 27	9 32	0 34	20 16	0 6	20 39	2 53	10 52	10 39	1 47	9 50	6 37
S 4	15 45	16 40	2 20	12 32	1 14	18 23	5 3	19 29	2 6	15 9	1 17	22 46	0 27	9 32	0 34	20 17	0 6	20 39	2 53	10 52	10 40	1 45	9 51	6 37
S 5	15 27	13 46	1 3	11 50	1 8	18 27	4 58	19 38	2 6	15 11	1 17	22 46	0 27	9 32	0 34	20 17	0 6	20 39	2 53	10 53	10 41	1 43	9 52	6 37
M 6	15 10	9 57	0n18	11 7	1 2	18 30	4 53	19 48	2 7	15 14	1 17	22 46	0 27	9 32	0 34	20 17	0 6	20 39	2 53	10 53	10 43	1 41	9 53	6 37
T 7	14 51	5 30	1 39	10 24	0 56	18 34	4 47	19 58	2 7	15 17	1 18	22 45	0 27	9 31	0 34	20 18	0 6	20 39	2 53	10 52	10 44	1 39	9 54	6 37
W 8	14 33	0 44	2 53	9 41	0 50	18 37	4 42	20 7	2 7	15 19	1 18	22 45	0 27	9 31	0 34	20 18	0 6	20 39	2 53	10 52	10 45	1 37	9 54	6 37
T 9	14 14	4s 1	3 55	8 58	0 43	18 40	4 36	20 17	2 7	15 22	1 18	22 44	0 27	9 31	0 34	20 18	0 6	20 39	2 53	10 52	10 46	1 36	9 55	6 37
F 10	13 55	8 27	4 40	8 14	0 36	18 43	4 30	20 26	2 7	15 25	1 18	22 44	0 27	9 31	0 34	20 19	0 6	20 39	2 53	10 52	10 47	1 34	9 56	6 37
S 11	13 36	12 19	5 8	7 31	0 29	18 45	4 25	20 35	2 8	15 28	1 18	22 43	0 27	9 30	0 34	20 19	0 6	20 39	2 53	10 52	10 48	1 32	9 57	6 36
S 12	13 17	15 24	5 17	6 48	0 22	18 48	4 19	20 45	2 8	15 30	1 18	22 43	0 27	9 30	0 34	20 19	0 5	20 39	2 53	10 52	10 49	1 30	9 58	6 36
M13	12 57	17 36	5 9	6 5	0 14	18 50	4 13	20 54	2 8	15 33	1 18	22 43	0 26	9 30	0 34	20 20	0 5	20 39	2 53	10 52	10 51	1 28	9 59	6 36
T 14	12 37	18 48	4 44	5 22	0 7	18 52	4 7	21 3	2 8	15 35	1 18	22 42	0 26	9 29	0 34	20 20	0 5	20 39	2 53	10 52	10 52	1 26	10 0	6 36
W15	12 17	18 59	4 6	4 39	0s 1	18 53	4 1	21 12	2 8	15 38	1 18	22 42	0 26	9 29	0 35	20 20	0 5	20 39	2 53	10 52	10 53	1 24	10 1	6 36
T 16	11 57	18 13	3 16	3 56	0 9	18 54	3 55	21 21	2 8	15 41	1 18	22 41	0 26	9 29	0 35	20 21	0 5	20 39	2 53	10 52	10 54	1 22	10 2	6 36
F 17	11 37	16 34	2 17	3 14	0 17	18 55	3 50	21 30	2 8	15 43	1 18	22 41	0 26	9 28	0 35	20 21	0 5	20 39	2 53	10 52	10 55	1 20	10 3	6 36
S 18	11 16	14 11	1 13	2 32	0 25	18 56	3 44	21 38	2 8	15 46	1 18	22 41	0 26	9 28	0 35	20 21	0 5	20 39	2 53	10 52	10 56	1 18	10 4	6 36
S 19	10 55	11 12	0 7	1 50	0 33	18 56	3 37	21 47	2 8	15 48	1 19	22 40	0 26	9 27	0 35	20 21	0 5	20 39	2 53	10 52	10 57	1 16	10 5	6 35
M20	10 34	7 47	1s 0	1 9	0 42	18 55	3 31	21 56	2 8	15 51	1 19	22 40	0 26	9 27	0 35	20 22	0 5	20 39	2 53	10 52	10 59	1 14	10 6	6 35
T 21	10 13	4 5	2 3	0 28	0 50	18 55	3 25	22 4	2 8	15 53	1 19	22 39	0 26	9 26	0 35	20 22	0 5	20 39	2 53	10 52	11 0	1 12	10 7	6 35
W22	9 52	0 15	3 0	0s12	0 58	18 54	3 19	22 12	2 8	15 56	1 19	22 39	0 26	9 26	0 35	20 22	0 5	20 39	2 53	10 52	11 1	1 10	10 8	6 35
T 23	9 30	3n35	3 50	0 52	1 7	18 52	3 13	22 21	2 8	15 58	1 19	22 38	0 26	9 25	0 35	20 22	0 5	20 39	2 53	10 53	11 2	1 8	10 9	6 35
F 24	9 9	7 18	4 30	1 31	1 15	18 51	3 7	22 29	2 8	16 0	1 19	22 38	0 26	9 25	0 35	20 23	0 5	20 39	2 53	10 53	11 3	1 6	10 10	6 34
S 25	8 47	10 44	4 59	2 10	1 23	18 48	3 1	22 37	2 8	16 3	1 19	22 38	0 26	9 24	0 35	20 23	0 5	20 39	2 53	10 53	11 4	1 4	10 11	6 34
S 26	8 25	13 47	5 15	2 48	1 32	18 46	2 55	22 44	2 8	16 5	1 19	22 37	0 26	9 24	0 35	20 23	0 5	20 39	2 53	10 53	11 5	1 2	10 12	6 34
M27	8 3	16 16	5 16	3 25	1 40	18 42	2 49	22 52	2 8	16 7	1 19	22 37	0 26	9 23	0 35	20 24	0 5	20 39	2 53	10 53	11 7	1 0	10 13	6 34
T 28	7 41	18 3	5 3	4 2	1 48	18 39	2 43	23 0	2 8	16 9	1 19	22 36	0 26	9 23	0 35	20 24	0 5	20 39	2 53	10 53	11 8	0 58	10 14	6 34
W29	7 19	18 57	4 34	4 38	1 57	18 35	2 37	23 7	2 8	16 12	1 19	22 36	0 26	9 22	0 35	20 24	0 5	20 39	2 53	10 53	11 9	0 56	10 15	6 33
T 30	6 56	18 50	3 49	5 13	2 5	18 30	2 31	23 14	2 8	16 14	1 19	22 36	0 26	9 22	0 35	20 24	0 5	20 39	2 53	10 53	11 10	0 54	10 16	6 33
F 31	6n34	17n35	2s50	5s47	2s13	18n25	2s25	23s21	2s 8	16s16	1s19	22n35	0s25	9n21	0s35	20s24	0n 5	20n39	2s53	10n52	11n11	0s52	10s17	6n33

Julian Day Number = 2151899.5, Delta T = 14m06s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'04, Lahiri = 12°25'04 Julian Calendar 1 Aug. 1179 == Greg. Calendar 8 Aug. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

SEPTEMBER 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 5 0	14♍21'02	13♌49	10♎30	28♋18	5♐53	19°R27	11♋58	25°R26	28°R46	1♋ 5	1♍50	0♍54	4♈27	14°R27	S 1
S 2	23 8 56	15°19'44	28°32	11°32	29°16	6°32	19♒20	12° 3	25♈25	28♑45	1° 5	1°R50	0°51	4°34	14♒25	S 2
M 3	23 12 53	16°18'28	13♍33	12°33	0♌15	7°12	19°14	12° 8	25°23	28°44	1° 6	1°50	0°47	4°40	14°22	M 3
T 4	23 16 49	17°17'14	28°42	13°31	1°14	7°52	19° 8	12°13	25°21	28°43	1° 6	1°49	0°44	4°47	14°20	T 4
W 5	23 20 46	18°16'02	13♎51	14°26	2°14	8°32	19° 2	12°17	25°19	28°42	1° 7	1°47	0°41	4°54	14°17	W 5
T 6	23 24 42	19°14'52	28°50	15°18	3°14	9°12	18°56	12°22	25°17	28°41	1° 7	1°45	0°38	5° 0	14°15	T 6
F 7	23 28 39	20°13'44	13♏31	16° 6	4°15	9°52	18°50	12°27	25°16	28°40	1° 8	1°43	0°35	5° 7	14°13	F 7
S 8	23 32 35	21°12'37	27°50	16°52	5°16	10°33	18°45	12°31	25°14	28°40	1° 8	1°41	0°32	5°14	14°11	S 8
S 9	23 36 32	22°11'32	11♐42	17°33	6°17	11°13	18°39	12°35	25°12	28°39	1° 9	1°40	0°28	5°20	14° 8	S 9
M10	23 40 28	23°10'30	25° 9	18°11	7°18	11°54	18°34	12°39	25°10	28°38	1° 9	1°D40	0°25	5°27	14° 6	M10
T 11	23 44 25	24° 9'28	8♑13	18°44	8°20	12°35	18°29	12°44	25° 8	28°37	1° 9	1°40	0°22	5°34	14° 4	T 11
W12	23 48 22	25° 8'29	20°55	19°12	9°23	13°16	18°24	12°48	25° 6	28°36	1°10	1°42	0°19	5°40	14° 2	W12
T 13	23 52 18	26° 7'31	3♒21	19°34	10°25	13°57	18°19	12°52	25° 4	28°36	1°10	1°43	0°16	5°47	14° 0	T 13
F 14	23 56 15	27° 6'36	15°34	19°52	11°28	14°38	18°15	12°55	25° 2	28°35	1°10	1°45	0°12	5°54	13°58	F 14
S 15	0 0 11	28° 5'42	27°36	20° 3	12°32	15°20	18°11	12°59	25° 0	28°34	1°11	1°R46	0° 9	6° 0	13°56	S 15
S 16	0 4 8	29° 4'50	9♓32	20°R 7	13°35	16° 1	18° 6	13° 3	24°57	28°34	1°11	1°45	0° 6	6° 7	13°54	S 16
M17	0 8 4	0♎ 4'00	21°23	20° 4	14°39	16°43	18° 2	13° 6	24°55	28°33	1°11	1°44	0° 3	6°14	13°52	M17
T 18	0 12 1	1° 3'12	3♈12	19°54	15°44	17°24	17°58	13°10	24°53	28°33	1°11	1°41	29♌59	6°20	13°50	T 18
W19	0 15 57	2° 2'26	15° 2	19°37	16°48	18° 6	17°55	13°13	24°51	28°32	1°11	1°36	29°57	6°27	13°49	W19
T 20	0 19 54	3° 1'42	26°53	19°11	17°53	18°48	17°51	13°17	24°49	28°32	1°12	1°31	29°53	6°34	13°47	T 20
F 21	0 23 51	4° 1'01	8♉49	18°37	18°58	19°30	17°48	13°20	24°46	28°31	1°12	1°25	29°50	6°40	13°45	F 21
S 22	0 27 47	5° 0'21	20°51	17°55	20° 3	20°12	17°45	13°23	24°44	28°31	1°12	1°19	29°47	6°47	13°44	S 22
S 23	0 31 44	5°59'44	3♊ 1	17° 5	21° 9	20°55	17°42	13°26	24°42	28°30	1°12	1°14	29°44	6°54	13°42	S 23
M24	0 35 40	6°59'10	15°23	16° 8	22°15	21°37	17°39	13°29	24°40	28°30	1°12	1°10	29°41	7° 0	13°41	M24
T 25	0 39 37	7°58'38	28° 1	15° 5	23°21	22°20	17°37	13°32	24°37	28°30	1°R12	1° 8	29°37	7° 7	13°39	T 25
W26	0 43 33	8°58'08	10♋57	13°57	24°27	23° 2	17°34	13°34	24°35	28°29	1°12	1°D 8	29°34	7°14	13°38	W26
T 27	0 47 30	9°57'40	24°15	12°45	25°34	23°45	17°32	13°37	24°33	28°29	1°12	1° 9	29°31	7°20	13°37	T 27
F 28	0 51 26	10°57'15	7♌59	11°31	26°41	24°28	17°30	13°39	24°30	28°29	1°12	1°10	29°28	7°27	13°36	F 28
S 29	0 55 23	11°56'52	22° 8	10°18	27°48	25°11	17°28	13°42	24°28	28°29	1°12	1°11	29°25	7°34	13°34	S 29
S 30	0 59 20	12♎56'31	6♍43	9♎ 8	28♌55	25♐54	17♒27	13♋44	24♈25	28♑29	1♋12	1°R11	29♌22	7♈40	13♒33	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n11	15n11	1s38	6s19	2s20	18n20	2s19	23s28	2s 7	16s18	1s19	22n35	0s25	9n20	0s35	20s25	0n 5	20n39	2s53	10n52	11n12	0s50	10s18	6n33
S 2	5 48	11 45	0 18	6 51	2 28	18 14	2 13	23 35	2 7	16 20	1 18	22 34	0 25	9 20	0 35	20 25	0 5	20 39	2 53	10 52	11 13	0 48	10 19	6 32
M 3	5 26	7 29	1n 4	7 22	2 36	18 7	2 7	23 42	2 7	16 22	1 18	22 34	0 25	9 19	0 35	20 25	0 5	20 39	2 53	10 52	11 14	0 46	10 20	6 32
T 4	5 3	2 42	2 23	7 51	2 43	18 0	2 1	23 48	2 7	16 24	1 18	22 34	0 25	9 18	0 35	20 25	0 5	20 39	2 53	10 52	11 16	0 44	10 21	6 32
W 5	4 40	2s14	3 32	8 19	2 50	17 53	1 55	23 55	2 7	16 25	1 18	22 33	0 25	9 18	0 35	20 26	0 5	20 39	2 53	10 53	11 17	0 42	10 22	6 32
T 6	4 16	6 58	4 25	8 46	2 57	17 45	1 49	24 1	2 7	16 27	1 18	22 33	0 25	9 17	0 35	20 26	0 5	20 39	2 53	10 54	11 18	0 40	10 23	6 31
F 7	3 53	11 11	5 0	9 11	3 3	17 37	1 43	24 7	2 6	16 29	1 18	22 33	0 25	9 16	0 35	20 26	0 5	20 39	2 53	10 55	11 19	0 38	10 24	6 31
S 8	3 30	14 38	5 15	9 34	3 9	17 28	1 37	24 12	2 6	16 31	1 18	22 32	0 25	9 16	0 35	20 26	0 5	20 39	2 53	10 55	11 20	0 36	10 25	6 31
S 9	3 7	17 9	5 11	9 55	3 15	17 18	1 32	24 18	2 6	16 32	1 18	22 32	0 25	9 15	0 35	20 26	0 5	20 39	2 53	10 56	11 21	0 34	10 25	6 30
M10	2 43	18 38	4 50	10 14	3 20	17 8	1 26	24 23	2 6	16 34	1 18	22 31	0 25	9 14	0 35	20 26	0 5	20 39	2 53	10 56	11 22	0 32	10 26	6 30
T 11	2 20	19 4	4 14	10 31	3 24	16 58	1 20	24 29	2 5	16 35	1 18	22 31	0 25	9 14	0 35	20 27	0 5	20 39	2 53	10 56	11 23	0 30	10 27	6 30
W12	1 56	18 30	3 26	10 45	3 28	16 47	1 15	24 34	2 5	16 37	1 18	22 31	0 25	9 13	0 35	20 27	0 5	20 39	2 53	10 55	11 25	0 28	10 28	6 29
T 13	1 33	17 3	2 30	10 57	3 32	16 36	1 9	24 38	2 5	16 38	1 18	22 30	0 25	9 12	0 35	20 27	0 5	20 39	2 53	10 55	11 26	0 27	10 29	6 29
F 14	1 9	14 50	1 28	11 6	3 34	16 24	1 4	24 43	2 5	16 39	1 18	22 30	0 25	9 11	0 35	20 27	0 5	20 39	2 53	10 54	11 27	0 25	10 30	6 29
S 15	0 46	12 0	0 23	11 11	3 35	16 11	0 58	24 47	2 4	16 41	1 18	22 30	0 25	9 10	0 35	20 27	0 5	20 39	2 53	10 54	11 28	0 23	10 31	6 28
S 16	0 22	8 41	0s43	11 13	3 36	15 58	0 53	24 52	2 4	16 42	1 17	22 30	0 25	9 10	0 35	20 27	0 5	20 39	2 53	10 54	11 29	0 21	10 32	6 28
M17	0s 2	5 3	1 46	11 12	3 35	15 45	0 48	24 56	2 4	16 43	1 17	22 29	0 25	9 9	0 35	20 28	0 5	20 39	2 53	10 54	11 30	0 19	10 32	6 28
T 18	0 25	1 14	2 44	11 6	3 33	15 31	0 42	24 59	2 3	16 44	1 17	22 29	0 25	9 8	0 35	20 28	0 5	20 39	2 53	10 55	11 31	0 17	10 33	6 27
W19	0 49	2n38	3 35	10 56	3 30	15 17	0 37	25 3	2 3	16 45	1 17	22 29	0 24	9 7	0 35	20 28	0 5	20 39	2 53	10 57	11 32	0 15	10 34	6 27
T 20	1 13	6 25	4 17	10 42	3 25	15 2	0 32	25 6	2 3	16 46	1 17	22 28	0 24	9 6	0 35	20 28	0 5	20 39	2 54	10 59	11 34	0 13	10 35	6 27
F 21	1 36	9 57	4 48	10 22	3 18	14 47	0 27	25 10	2 2	16 47	1 17	22 28	0 24	9 6	0 35	20 28	0 5	20 39	2 54	11 1	11 35	0 11	10 36	6 26
S 22	2 0	13 7	5 6	9 58	3 10	14 31	0 22	25 12	2 2	16 48	1 17	22 28	0 24	9 5	0 35	20 28	0 5	20 39	2 54	11 3	11 36	0 9	10 37	6 26
S 23	2 23	15 46	5 11	9 30	2 59	14 15	0 17	25 15	2 2	16 49	1 17	22 28	0 24	9 4	0 35	20 28	0 5	20 39	2 54	11 5	11 37	0 7	10 37	6 26
M24	2 47	17 44	5 2	8 56	2 47	13 58	0 12	25 18	2 1	16 49	1 17	22 27	0 24	9 3	0 35	20 28	0 5	20 39	2 54	11 6	11 38	0 5	10 38	6 25
T 25	3 11	18 54	4 38	8 19	2 33	13 41	0 7	25 20	2 1	16 50	1 16	22 27	0 24	9 2	0 35	20 28	0 5	20 39	2 54	11 7	11 39	0 3	10 39	6 25
W26	3 34	19 7	4 0	7 38	2 17	13 23	0 3	25 22	2 0	16 51	1 16	22 27	0 24	9 1	0 35	20 28	0 5	20 39	2 54	11 7	11 40	0 1	10 40	6 25
T 27	3 58	18 17	3 7	6 54	2 0	13 5	0n 2	25 23	2 0	16 51	1 16	22 27	0 24	9 1	0 35	20 28	0 5	20 39	2 54	11 7	11 41	0n 1	10 40	6 24
F 28	4 21	16 22	2 3	6 7	1 41	12 47	0 7	25 25	1 59	16 52	1 16	22 26	0 24	9 0	0 35	20 29	0 5	20 39	2 54	11 6	11 43	0 3	10 41	6 24
S 29	4 45	13 25	0 49	5 20	1 21	12 28	0 11	25 26	1 59	16 52	1 16	22 26	0 24	8 59	0 35	20 29	0 5	20 39	2 54	11 6	11 44	0 5	10 42	6 23
S 30	5s 8	9n33	0n30	4s34	1s 1	12n 9	0n16	25s27	1s59	16s52	1s16	22n26	0s24	8n58	0s35	20s29	0n 5	20n39	2s54	11n 6	11n45	0n 7	10s42	6n23

Julian Day Number = 2151930.5, Delta T = 14m06s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'08, Lahiri = 12°25'09 Julian Calendar 1 Sept. 1179 == Greg. Calendar 8 Sept. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

OCTOBER 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 3 16	13♎56'13	21♍39	8°R 2	0♍ 3	26♐37	17°R25	13♋46	24°R23	28°R28	1°R12	1°R10	29♌18	7♈47	13°R32	M 1
T 2	1 7 13	14°55'57	6♎51	7♎ 3	1°10	27°20	17♒24	13°48	24♈21	28♑28	1♋11	1♍ 6	29°15	7°54	13♒31	T 2
W 3	1 11 9	15°55'43	22° 7	6°12	2°18	28° 3	17°23	13°50	24°18	28°28	1°11	1° 1	29°12	8° 0	13°30	W 3
T 4	1 15 6	16°55'30	7♏18	5°30	3°27	28°47	17°23	13°52	24°16	28°D28	1°11	0°54	29° 9	8° 7	13°29	T 4
F 5	1 19 2	17°55'20	22°13	5° 0	4°35	29°30	17°22	13°54	24°13	28°28	1°11	0°46	29° 6	8°14	13°29	F 5
S 6	1 22 59	18°55'12	6♐45	4°41	5°43	0♑14	17°22	13°55	24°11	28°28	1°11	0°39	29° 3	8°20	13°28	S 6
S 7	1 26 55	19°55'05	20°48	4°D33	6°52	0°57	17°D22	13°57	24° 8	28°28	1°10	0°34	28°59	8°27	13°27	S 7
M 8	1 30 52	20°55'00	4♑22	4°36	8° 1	1°41	17°22	13°58	24° 6	28°29	1°10	0°31	28°56	8°34	13°27	M 8
T 9	1 34 48	21°54'57	17°28	4°50	9°10	2°25	17°22	14° 0	24° 3	28°29	1°10	0°D29	28°53	8°40	13°26	T 9
W10	1 38 45	22°54'56	0♒ 9	5°15	10°19	3° 9	17°22	14° 1	24° 1	28°29	1° 9	0°29	28°50	8°47	13°26	W10
T 11	1 42 42	23°54'56	12°30	5°49	11°28	3°53	17°23	14° 2	23°58	28°29	1° 9	0°30	28°47	8°54	13°25	T 11
F 12	1 46 38	24°54'57	24°36	6°31	12°38	4°37	17°24	14° 3	23°56	28°29	1° 9	0°R31	28°43	9° 0	13°25	F 12
S 13	1 50 35	25°55'01	6♓32	7°22	13°48	5°21	17°25	14° 4	23°54	28°30	1° 8	0°31	28°40	9° 7	13°24	S 13
S 14	1 54 31	26°55'06	18°22	8°19	14°57	6° 5	17°26	14° 4	23°51	28°30	1° 8	0°29	28°37	9°14	13°24	S 14
M15	1 58 28	27°55'13	0♈11	9°23	16° 7	6°49	17°28	14° 5	23°49	28°30	1° 7	0°25	28°34	9°21	13°24	M15
T 16	2 2 24	28°55'21	12° 0	10°32	17°18	7°33	17°29	14° 6	23°46	28°31	1° 7	0°18	28°31	9°27	13°24	T 16
W17	2 6 21	29°55'31	23°52	11°46	18°28	8°18	17°31	14° 6	23°44	28°31	1° 6	0° 9	28°28	9°34	13°D24	W17
T 18	2 10 17	0♏55'43	5♉50	13° 3	19°38	9° 2	17°33	14° 6	23°41	28°32	1° 6	29♌58	28°24	9°41	13°24	T 18
F 19	2 14 14	1°55'57	17°54	14°24	20°49	9°47	17°36	14° 6	23°39	28°32	1° 5	29°45	28°21	9°47	13°24	F 19
S 20	2 18 11	2°56'13	0♊ 6	15°48	21°59	10°31	17°38	14°R 6	23°36	28°33	1° 5	29°33	28°18	9°54	13°24	S 20
S 21	2 22 7	3°56'31	12°26	17°14	23°10	11°16	17°41	14° 6	23°34	28°33	1° 4	29°23	28°15	10° 1	13°24	S 21
M22	2 26 4	4°56'51	24°57	18°42	24°21	12° 1	17°44	14° 6	23°32	28°34	1° 4	29°14	28°12	10° 7	13°25	M22
T 23	2 30 0	5°57'12	7♋39	20°12	25°32	12°45	17°47	14° 6	23°29	28°34	1° 3	29° 8	28° 9	10°14	13°25	T 23
W24	2 33 57	6°57'36	20°36	21°43	26°44	13°30	17°50	14° 6	23°27	28°35	1° 2	29° 4	28° 5	10°21	13°25	W24
T 25	2 37 53	7°58'02	3♌49	23°15	27°55	14°15	17°54	14° 5	23°24	28°36	1° 2	29°D 3	28° 2	10°27	13°26	T 25
F 26	2 41 50	8°58'29	17°23	24°48	29° 6	15° 0	17°57	14° 4	23°22	28°36	1° 1	29° 3	27°59	10°34	13°26	F 26
S 27	2 45 46	9°58'59	1♍18	26°22	0♎18	15°45	18° 1	14° 4	23°20	28°37	1° 0	29°R 3	27°56	10°41	13°27	S 27
S 28	2 49 43	10°59'30	15°36	27°56	1°30	16°30	18° 5	14° 3	23°17	28°38	1° 0	29° 2	27°53	10°47	13°28	S 28
M29	2 53 40	12° 0'03	0♎15	29°31	2°42	17°15	18° 9	14° 2	23°15	28°39	0°59	28°59	27°49	10°54	13°28	M29
T 30	2 57 36	13° 0'38	15°10	1♏ 6	3°53	18° 0	18°14	14° 1	23°13	28°39	0°58	28°53	27°46	11° 1	13°29	T 30
W31	3 1 33	14♏ 1'15	0♏16	2♏41	5♎ 5	18♑45	18♒18	14♋ 0	23♈10	28♑40	0♋57	28♌44	27♌43	11♈ 7	13♒30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s31	4n59	1n49	3s49	0s40	11n49	0n20	25s28	1s58	16s53	1s16	22n26	0s24	8n57	0s35	20s29	0n 5	20n39	2s54	11n 6	11n46	0n 9	10s43	6n23
T 2	5 54	0 2	3 1	3 6	0 20	11 29	0 24	25 29	1 58	16 53	1 15	22 26	0 24	8 56	0 35	20 29	0 5	20 39	2 54	11 8	11 47	0 11	10 44	6 22
W 3	6 18	4s56	4 1	2 28	0n 0	11 8	0 28	25 29	1 57	16 53	1 15	22 26	0 24	8 55	0 35	20 29	0 5	20 39	2 54	11 10	11 48	0 13	10 44	6 22
T 4	6 41	9 33	4 43	1 54	0 19	10 47	0 32	25 29	1 57	16 53	1 15	22 26	0 24	8 54	0 35	20 29	0 5	20 39	2 54	11 12	11 49	0 15	10 45	6 21
F 5	7 4	13 30	5 5	1 26	0 37	10 26	0 36	25 29	1 56	16 53	1 15	22 25	0 24	8 53	0 35	20 29	0 5	20 39	2 54	11 15	11 50	0 17	10 46	6 21
S 6	7 27	16 30	5 6	1 3	0 54	10 5	0 40	25 28	1 56	16 53	1 15	22 25	0 24	8 52	0 35	20 29	0 5	20 39	2 54	11 17	11 51	0 19	10 46	6 21
S 7	7 49	18 25	4 49	0 46	1 8	9 43	0 44	25 28	1 55	16 53	1 15	22 25	0 24	8 52	0 35	20 29	0 5	20 39	2 54	11 19	11 53	0 21	10 47	6 20
M 8	8 12	19 12	4 16	0 35	1 22	9 20	0 48	25 27	1 55	16 53	1 15	22 25	0 23	8 51	0 35	20 29	0 5	20 39	2 54	11 20	11 54	0 23	10 47	6 20
T 9	8 34	18 55	3 31	0 30	1 33	8 58	0 51	25 25	1 54	16 53	1 14	22 25	0 23	8 50	0 35	20 29	0 5	20 39	2 54	11 21	11 55	0 25	10 48	6 19
W10	8 57	17 40	2 36	0 31	1 43	8 35	0 55	25 24	1 54	16 52	1 14	22 25	0 23	8 49	0 35	20 29	0 5	20 39	2 54	11 21	11 56	0 27	10 48	6 19
T 11	9 19	15 36	1 36	0 37	1 51	8 11	0 58	25 22	1 53	16 52	1 14	22 25	0 23	8 48	0 35	20 29	0 5	20 39	2 54	11 21	11 57	0 29	10 49	6 18
F 12	9 41	12 53	0 32	0 48	1 58	7 48	1 2	25 20	1 52	16 52	1 14	22 25	0 23	8 47	0 35	20 29	0 5	20 39	2 54	11 20	11 58	0 31	10 49	6 18
S 13	10 3	9 39	0s32	1 3	2 3	7 24	1 5	25 18	1 52	16 51	1 14	22 25	0 23	8 46	0 35	20 29	0 5	20 39	2 54	11 20	11 59	0 33	10 50	6 18
S 14	10 25	6 4	1 34	1 23	2 7	7 0	1 8	25 15	1 51	16 51	1 14	22 25	0 23	8 45	0 35	20 29	0 5	20 39	2 54	11 21	12 0	0 35	10 50	6 17
M15	10 47	2 15	2 32	1 45	2 9	6 35	1 11	25 13	1 51	16 50	1 13	22 25	0 23	8 44	0 35	20 29	0 5	20 39	2 54	11 22	12 1	0 37	10 51	6 17
T 16	11 8	1n39	3 23	2 11	2 11	6 11	1 14	25 10	1 50	16 49	1 13	22 25	0 23	8 43	0 35	20 28	0 5	20 39	2 54	11 25	12 3	0 40	10 51	6 16
W17	11 30	5 30	4 5	2 40	2 11	5 46	1 17	25 6	1 49	16 49	1 13	22 25	0 23	8 43	0 35	20 28	0 5	20 39	2 54	11 28	12 4	0 42	10 52	6 16
T 18	11 51	9 10	4 37	3 10	2 11	5 21	1 20	25 3	1 49	16 48	1 13	22 25	0 23	8 42	0 35	20 28	0 5	20 39	2 54	11 32	12 5	0 44	10 52	6 15
F 19	12 12	12 29	4 57	3 43	2 9	4 55	1 23	24 59	1 48	16 47	1 13	22 25	0 23	8 41	0 35	20 28	0 5	20 39	2 54	11 36	12 6	0 46	10 53	6 15
S 20	12 33	15 19	5 3	4 17	2 7	4 30	1 25	24 55	1 48	16 46	1 13	22 25	0 23	8 40	0 35	20 28	0 5	20 39	2 54	11 41	12 7	0 48	10 53	6 15
S 21	12 53	17 30	4 55	4 53	2 4	4 4	1 28	24 50	1 47	16 45	1 12	22 25	0 23	8 39	0 35	20 28	0 5	20 39	2 54	11 44	12 8	0 50	10 53	6 14
M22	13 14	18 54	4 33	5 30	2 1	3 38	1 30	24 46	1 46	16 44	1 12	22 25	0 23	8 38	0 35	20 28	0 4	20 39	2 54	11 48	12 9	0 52	10 54	6 14
T 23	13 34	19 22	3 58	6 7	1 57	3 11	1 32	24 41	1 46	16 43	1 12	22 25	0 23	8 37	0 35	20 28	0 4	20 39	2 54	11 50	12 10	0 54	10 54	6 13
W24	13 54	18 50	3 9	6 46	1 53	2 45	1 35	24 36	1 45	16 42	1 12	22 25	0 23	8 36	0 35	20 28	0 4	20 39	2 54	11 51	12 11	0 56	10 54	6 13
T 25	14 14	17 17	2 10	7 24	1 48	2 18	1 37	24 30	1 44	16 40	1 12	22 25	0 22	8 35	0 35	20 28	0 4	20 39	2 54	11 51	12 12	0 58	10 54	6 12
F 26	14 33	14 43	1 2	8 3	1 43	1 52	1 39	24 25	1 44	16 39	1 12	22 25	0 22	8 35	0 35	20 27	0 4	20 39	2 54	11 51	12 14	1 0	10 55	6 12
S 27	14 52	11 15	0n12	8 43	1 37	1 25	1 40	24 19	1 43	16 38	1 11	22 26	0 22	8 34	0 35	20 27	0 4	20 39	2 54	11 51	12 15	1 2	10 55	6 12
S 28	15 11	7 2	1 27	9 22	1 31	0 58	1 42	24 13	1 42	16 36	1 11	22 26	0 22	8 33	0 35	20 27	0 4	20 39	2 54	11 52	12 16	1 4	10 55	6 11
M29	15 30	2 18	2 37	10 1	1 25	0 31	1 44	24 6	1 42	16 35	1 11	22 26	0 22	8 32	0 35	20 27	0 4	20 39	2 54	11 53	12 17	1 6	10 55	6 11
T 30	15 49	2s38	3 39	10 40	1 19	0 4	1 46	24 0	1 41	16 33	1 11	22 26	0 22	8 31	0 35	20 27	0 4	20 39	2 54	11 55	12 18	1 8	10 56	6 10
W31	16s 7	7s28	4n25	11s19	1n13	0s24	1n47	23s53	1s40	16s32	1s11	22n26	0s22	8n30	0s35	20s27	0n 4	20n39	2s54	11n58	12n19	1n10	10s56	6n10

Julian Day Number = 2151960.5, Delta T = 14m06s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'12, Lahiri = 12°25'13 Julian Calendar 1 Oct. 1179 == Greg. Calendar 8 Oct. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

NOVEMBER 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 5 29	15♏ 1'54	15♏21	4♏16	6♎18	19♑30	18♒23	13°R58	23°R 8	28♑41	0°R57	28°R33	27♌40	11♈14	13♒31	T 1
F 2	3 9 26	16° 2'33	0♐16	5°51	7°30	20°15	18°28	13♋57	23♈ 6	28°42	0♋56	28♌22	27°37	11°21	13°32	F 2
S 3	3 13 22	17° 3'15	14°52	7°26	8°42	21° 1	18°33	13°55	23° 4	28°43	0°55	28°10	27°34	11°27	13°33	S 3
S 4	3 17 19	18° 3'58	29° 2	9° 2	9°54	21°46	18°38	13°54	23° 2	28°44	0°54	28° 1	27°30	11°34	13°34	S 4
M 5	3 21 15	19° 4'41	12♑42	10°37	11° 7	22°31	18°44	13°52	22°59	28°45	0°53	27°54	27°27	11°41	13°35	M 5
T 6	3 25 12	20° 5'27	25°54	12°12	12°20	23°17	18°50	13°50	22°57	28°46	0°52	27°50	27°24	11°47	13°37	T 6
W 7	3 29 9	21° 6'13	8♒39	13°47	13°32	24° 2	18°55	13°48	22°55	28°47	0°51	27°48	27°21	11°54	13°38	W 7
T 8	3 33 5	22° 7'00	21° 2	15°22	14°45	24°47	19° 1	13°46	22°53	28°49	0°50	27°47	27°18	12° 1	13°39	T 8
F 9	3 37 2	23° 7'48	3♓ 9	16°57	15°58	25°33	19° 8	13°44	22°51	28°50	0°50	27°47	27°15	12° 8	13°41	F 9
S 10	3 40 58	24° 8'37	15° 4	18°31	17°11	26°18	19°14	13°42	22°49	28°51	0°49	27°46	27°11	12°14	13°42	S 10
S 11	3 44 55	25° 9'27	26°53	20° 6	18°23	27° 4	19°21	13°40	22°47	28°52	0°48	27°44	27° 8	12°21	13°44	S 11
M12	3 48 51	26°10'18	8♈41	21°41	19°36	27°50	19°27	13°37	22°45	28°53	0°47	27°38	27° 5	12°28	13°45	M12
T 13	3 52 48	27°11'10	20°32	23°15	20°50	28°35	19°34	13°35	22°43	28°55	0°46	27°30	27° 2	12°34	13°47	T 13
W14	3 56 44	28°12'03	2♉30	24°49	22° 3	29°21	19°41	13°32	22°41	28°56	0°45	27°19	26°59	12°41	13°49	W14
T 15	4 0 41	29°12'57	14°35	26°24	23°16	0♒ 6	19°48	13°29	22°40	28°57	0°44	27° 6	26°55	12°48	13°50	T 15
F 16	4 4 38	0♐13'52	26°51	27°58	24°29	0°52	19°56	13°26	22°38	28°59	0°43	26°51	26°52	12°54	13°52	F 16
S 17	4 8 34	1°14'48	9♊17	29°32	25°43	1°38	20° 3	13°23	22°36	29° 0	0°42	26°37	26°49	13° 1	13°54	S 17
S 18	4 12 31	2°15'45	21°54	1♐ 7	26°56	2°23	20°11	13°20	22°34	29° 2	0°40	26°23	26°46	13° 8	13°56	S 18
M19	4 16 27	3°16'44	4♋41	2°41	28° 9	3° 9	20°19	13°17	22°32	29° 3	0°39	26°13	26°43	13°14	13°58	M19
T 20	4 20 24	4°17'43	17°38	4°15	29°23	3°55	20°26	13°14	22°31	29° 4	0°38	26° 5	26°40	13°21	14° 0	T 20
W21	4 24 20	5°18'43	0♌47	5°49	0♏37	4°41	20°35	13°11	22°29	29° 6	0°37	26° 0	26°36	13°28	14° 2	W21
T 22	4 28 17	6°19'45	14° 8	7°24	1°50	5°26	20°43	13° 7	22°28	29° 7	0°36	25°58	26°33	13°34	14° 5	T 22
F 23	4 32 13	7°20'48	27°41	8°58	3° 4	6°12	20°51	13° 4	22°26	29° 9	0°35	25°D58	26°30	13°41	14° 7	F 23
S 24	4 36 10	8°21'51	11♍30	10°33	4°18	6°58	21° 0	13° 0	22°25	29°11	0°34	25°R58	26°27	13°48	14° 9	S 24
S 25	4 40 7	9°22'56	25°34	12° 7	5°31	7°44	21° 8	12°57	22°23	29°12	0°33	25°57	26°24	13°55	14°11	S 25
M26	4 44 3	10°24'02	9♎53	13°42	6°45	8°30	21°17	12°53	22°22	29°14	0°32	25°54	26°20	14° 1	14°14	M26
T 27	4 48 0	11°25'09	24°26	15°17	7°59	9°15	21°26	12°49	22°20	29°16	0°30	25°48	26°17	14° 8	14°16	T 27
W28	4 51 56	12°26'17	9♏ 6	16°52	9°13	10° 1	21°35	12°45	22°19	29°17	0°29	25°40	26°14	14°15	14°19	W28
T 29	4 55 53	13°27'25	23°49	18°27	10°27	10°47	21°44	12°41	22°18	29°19	0°28	25°29	26°11	14°21	14°21	T 29
F 30	4 59 49	14♐28'34	8♐26	20♐ 2	11♏41	11♒33	21♒54	12♋37	22♈16	29♑21	0♋27	25♌18	26♌ 8	14♈28	14♒24	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s25	11s50	4n53	11s57	1n 7	0s51	1n48	23s46	1s40	16s30	1s11	22n27	0s22	8n30	0s35	20s26	0n 4	20n39	2s54	12n 2	12n20	1n12	10s56	6n10
F 2	16 43	15 23	5 1	12 35	1 0	1 19	1 50	23 38	1 39	16 28	1 10	22 27	0 22	8 29	0 35	20 26	0 4	20 39	2 54	12 6	12 21	1 14	10 56	6 9
S 3	17 0	17 54	4 49	13 13	0 53	1 46	1 51	23 31	1 38	16 27	1 10	22 27	0 22	8 28	0 35	20 26	0 4	20 39	2 54	12 10	12 22	1 16	10 56	6 9
S 4	17 17	19 14	4 19	13 50	0 47	2 14	1 52	23 23	1 37	16 25	1 10	22 27	0 22	8 27	0 35	20 26	0 4	20 39	2 54	12 13	12 23	1 18	10 56	6 8
M 5	17 34	19 22	3 35	14 27	0 40	2 41	1 53	23 15	1 37	16 23	1 10	22 27	0 22	8 26	0 35	20 26	0 4	20 39	2 54	12 15	12 25	1 20	10 56	6 8
T 6	17 51	18 26	2 40	15 2	0 33	3 9	1 54	23 6	1 36	16 21	1 10	22 28	0 22	8 26	0 35	20 26	0 4	20 39	2 54	12 17	12 26	1 22	10 56	6 7
W 7	18 7	16 34	1 40	15 38	0 26	3 36	1 55	22 58	1 35	16 19	1 10	22 28	0 22	8 25	0 35	20 25	0 4	20 39	2 54	12 17	12 27	1 24	10 56	6 7
T 8	18 23	13 59	0 36	16 12	0 19	4 4	1 55	22 49	1 35	16 17	1 10	22 28	0 22	8 24	0 35	20 25	0 4	20 39	2 54	12 18	12 28	1 26	10 56	6 7
F 9	18 38	10 50	0s28	16 46	0 12	4 31	1 56	22 40	1 34	16 15	1 9	22 29	0 21	8 23	0 35	20 25	0 4	20 39	2 54	12 18	12 29	1 28	10 56	6 6
S 10	18 53	7 18	1 30	17 19	0 6	4 59	1 56	22 30	1 33	16 13	1 9	22 29	0 21	8 23	0 34	20 25	0 4	20 39	2 54	12 18	12 30	1 30	10 56	6 6
S 11	19 8	3 30	2 27	17 52	0s 1	5 26	1 57	22 21	1 32	16 11	1 9	22 29	0 21	8 22	0 34	20 24	0 4	20 39	2 54	12 19	12 31	1 32	10 56	6 5
M12	19 23	0n25	3 18	18 23	0 8	5 54	1 57	22 11	1 31	16 8	1 9	22 29	0 21	8 21	0 34	20 24	0 4	20 39	2 54	12 21	12 32	1 34	10 56	6 5
T 13	19 37	4 21	4 0	18 54	0 15	6 21	1 57	22 1	1 31	16 6	1 9	22 30	0 21	8 21	0 34	20 24	0 4	20 39	2 54	12 24	12 33	1 36	10 56	6 5
W14	19 51	8 7	4 33	19 24	0 21	6 48	1 58	21 51	1 30	16 4	1 9	22 30	0 21	8 20	0 34	20 24	0 4	20 39	2 54	12 27	12 34	1 38	10 56	6 4
T 15	20 4	11 37	4 53	19 53	0 28	7 15	1 58	21 40	1 29	16 1	1 8	22 30	0 21	8 19	0 34	20 23	0 4	20 39	2 54	12 32	12 35	1 40	10 56	6 4
F 16	20 17	14 41	5 0	20 21	0 34	7 42	1 58	21 29	1 28	15 59	1 8	22 31	0 21	8 19	0 34	20 23	0 4	20 39	2 54	12 37	12 37	1 42	10 56	6 3
S 17	20 30	17 7	4 52	20 48	0 40	8 9	1 57	21 18	1 28	15 56	1 8	22 31	0 21	8 18	0 34	20 23	0 4	20 39	2 54	12 42	12 38	1 44	10 56	6 3
S 18	20 42	18 47	4 31	21 14	0 46	8 36	1 57	21 7	1 27	15 54	1 8	22 32	0 21	8 17	0 34	20 23	0 4	20 39	2 53	12 46	12 39	1 46	10 56	6 3
M19	20 54	19 32	3 56	21 39	0 53	9 3	1 57	20 56	1 26	15 51	1 8	22 32	0 21	8 17	0 34	20 22	0 4	20 39	2 53	12 50	12 40	1 48	10 55	6 2
T 20	21 6	19 16	3 8	22 3	0 58	9 29	1 57	20 44	1 25	15 48	1 8	22 32	0 21	8 16	0 34	20 22	0 4	20 39	2 53	12 53	12 41	1 50	10 55	6 2
W21	21 17	17 58	2 9	22 25	1 4	9 55	1 56	20 33	1 24	15 46	1 8	22 33	0 21	8 16	0 34	20 22	0 4	20 39	2 53	12 54	12 42	1 52	10 55	6 1
T 22	21 28	15 40	1 2	22 47	1 10	10 21	1 55	20 21	1 24	15 43	1 7	22 33	0 20	8 15	0 34	20 21	0 4	20 39	2 53	12 55	12 43	1 54	10 55	6 1
F 23	21 38	12 28	0n 9	23 8	1 15	10 47	1 55	20 8	1 23	15 40	1 7	22 34	0 20	8 14	0 34	20 21	0 4	20 39	2 53	12 55	12 44	1 56	10 54	6 1
S 24	21 48	8 32	1 21	23 27	1 21	11 13	1 54	19 56	1 22	15 37	1 7	22 34	0 20	8 14	0 34	20 21	0 4	20 39	2 53	12 55	12 45	1 59	10 54	6 0
S 25	21 57	4 4	2 30	23 45	1 26	11 38	1 53	19 43	1 21	15 34	1 7	22 35	0 20	8 13	0 34	20 20	0 4	20 39	2 53	12 56	12 46	2 1	10 54	6 0
M26	22 6	0s43	3 30	24 2	1 30	12 4	1 52	19 31	1 20	15 31	1 7	22 35	0 20	8 13	0 34	20 20	0 4	20 39	2 53	12 56	12 47	2 3	10 53	6 0
T 27	22 15	5 30	4 18	24 18	1 35	12 29	1 51	19 18	1 20	15 28	1 7	22 35	0 20	8 12	0 34	20 20	0 4	20 39	2 53	12 58	12 49	2 5	10 53	5 59
W28	22 23	10 1	4 49	24 33	1 40	12 53	1 50	19 4	1 19	15 25	1 7	22 36	0 20	8 12	0 34	20 19	0 4	20 39	2 53	13 1	12 50	2 7	10 53	5 59
T 29	22 31	13 56	5 1	24 46	1 44	13 18	1 49	18 51	1 18	15 22	1 7	22 36	0 20	8 11	0 34	20 19	0 4	20 39	2 53	13 5	12 51	2 9	10 52	5 58
F 30	22s38	16s58	4n54	24s57	1s48	13s42	1n48	18s38	1s17	15s19	1s 6	22n37	0s20	8n11	0s34	20s19	0n 4	20n39	2s53	13n 9	12n52	2n11	10s52	5n58

Julian Day Number = 2151991.5, Delta T = 14m06s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'17, Lahiri = 12°25'17 Julian Calendar 1 Nov. 1179 == Greg. Calendar 8 Nov. 1179

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ASTRODIENST EPHEMERIS for the year 1179
geocentric

DECEMBER 1179 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 3 46	15♐29'44	22♐49	21♐37	12♏55	12♒19	22♒ 3	12°R33	22°R15	29♑22	0°R26	25°R 7	26♌ 5	14♈35	14♒27	S 1
S 2	5 7 42	16°30'55	6♑52	23°13	14° 9	13° 5	22°13	12♋29	22♈14	29°24	0♋25	24♌57	26° 1	14°41	14°29	S 2
M 3	5 11 39	17°32'06	20°31	24°49	15°24	13°51	22°23	12°25	22°13	29°26	0°23	24°49	25°58	14°48	14°32	M 3
T 4	5 15 36	18°33'17	3♒44	26°24	16°38	14°37	22°33	12°21	22°12	29°28	0°22	24°45	25°55	14°55	14°35	T 4
W 5	5 19 32	19°34'28	16°33	28° 0	17°52	15°22	22°43	12°16	22°11	29°30	0°21	24°43	25°52	15° 1	14°38	W 5
T 6	5 23 29	20°35'39	28°59	29°36	19° 6	16° 8	22°53	12°12	22°10	29°31	0°20	24°D42	25°49	15° 8	14°41	T 6
F 7	5 27 25	21°36'50	11♓ 9	1♑13	20°20	16°54	23° 3	12° 7	22° 9	29°33	0°18	24°43	25°46	15°15	14°44	F 7
S 8	5 31 22	22°38'02	23° 6	2°49	21°35	17°40	23°13	12° 3	22° 8	29°35	0°17	24°R44	25°42	15°21	14°47	S 8
S 9	5 35 18	23°39'13	4♈57	4°25	22°49	18°26	23°24	11°58	22° 7	29°37	0°16	24°43	25°39	15°28	14°50	S 9
M10	5 39 15	24°40'24	16°47	6° 1	24° 3	19°12	23°34	11°54	22° 6	29°39	0°15	24°40	25°36	15°35	14°53	M10
T 11	5 43 11	25°41'35	28°40	7°38	25°18	19°58	23°45	11°49	22° 6	29°41	0°14	24°35	25°33	15°42	14°56	T 11
W12	5 47 8	26°42'46	10♉41	9°14	26°32	20°44	23°56	11°45	22° 5	29°43	0°12	24°27	25°30	15°48	14°59	W12
T 13	5 51 5	27°43'57	22°53	10°50	27°46	21°30	24° 7	11°40	22° 4	29°45	0°11	24°18	25°26	15°55	15° 2	T 13
F 14	5 55 1	28°45'08	5♊18	12°25	29° 1	22°15	24°18	11°35	22° 4	29°47	0°10	24° 7	25°23	16° 2	15° 6	F 14
S 15	5 58 58	29°46'19	17°59	14° 0	0♐15	23° 1	24°29	11°30	22° 3	29°49	0° 9	23°56	25°20	16° 8	15° 9	S 15
S 16	6 2 54	0♑47'29	0♋53	15°34	1°30	23°47	24°40	11°25	22° 3	29°51	0° 7	23°47	25°17	16°15	15°12	S 16
M17	6 6 51	1°48'40	14° 2	17° 8	2°44	24°33	24°51	11°21	22° 2	29°53	0° 6	23°39	25°14	16°22	15°16	M17
T 18	6 10 47	2°49'51	27°23	18°41	3°59	25°19	25° 3	11°16	22° 2	29°55	0° 5	23°33	25°11	16°28	15°19	T 18
W19	6 14 44	3°51'01	10♌54	20°12	5°13	26° 4	25°14	11°11	22° 2	29°57	0° 4	23°30	25° 7	16°35	15°23	W19
T 20	6 18 41	4°52'12	24°35	21°42	6°28	26°50	25°26	11° 6	22° 1	29°59	0° 2	23°D29	25° 4	16°42	15°26	T 20
F 21	6 22 37	5°53'22	8♍24	23°10	7°43	27°36	25°38	11° 1	22° 1	0♒ 1	0° 1	23°30	25° 1	16°48	15°30	F 21
S 22	6 26 34	6°54'33	22°21	24°36	8°57	28°22	25°50	10°56	22° 1	0° 4	29♊59	23°31	24°58	16°55	15°33	S 22
S 23	6 30 30	7°55'43	6♎24	25°59	10°12	29° 7	26° 1	10°51	22° 1	0° 6	29°59	23°R32	24°55	17° 2	15°37	S 23
M24	6 34 27	8°56'53	20°33	27°19	11°26	29°53	26°13	10°46	22° 1	0° 8	29°57	23°31	24°52	17° 9	15°40	M24
T 25	6 38 23	9°58'04	4♏46	28°34	12°41	0♓39	26°26	10°41	22°D 1	0°10	29°56	23°29	24°48	17°15	15°44	T 25
W26	6 42 20	10°59'14	19° 2	29°46	13°56	1°25	26°38	10°36	22° 1	0°12	29°55	23°24	24°45	17°22	15°48	W26
T 27	6 46 16	12° 0'24	3♐15	0♒52	15°10	2°10	26°50	10°31	22° 1	0°14	29°54	23°18	24°42	17°29	15°51	T 27
F 28	6 50 13	13° 1'34	17°23	1°53	16°25	2°56	27° 2	10°26	22° 1	0°17	29°53	23°12	24°39	17°35	15°55	F 28
S 29	6 54 10	14° 2'43	1♑20	2°46	17°40	3°41	27°15	10°21	22° 1	0°19	29°51	23° 5	24°36	17°42	15°59	S 29
S 30	6 58 6	15° 3'52	15° 2	3°32	18°54	4°27	27°27	10°16	22° 1	0°21	29°50	22°59	24°32	17°49	16° 3	S 30
M31	7 2 3	16♑ 5'01	28♑26	4♒ 9	20♐ 9	5♓13	27♒40	10♋12	22♈ 2	0♒23	29♊49	22♌55	24♌29	17♈55	16♒ 7	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s45	18s54	4n28	25s 8	1s51	14s 5	1n47	18s24	1s16	15s16	1s 6	22n37	0s20	8n11	0s34	20s18	0n 4	20n39	2s53	13n12	12n53	2n13	10s52	5n58
S 2	22 51	19 37	3 45	25 17	1 55	14 29	1 45	18 10	1 15	15 12	1 6	22 38	0 20	8 10	0 34	20 18	0 4	20 40	2 53	13 16	12 54	2 15	10 51	5 57
M 3	22 57	19 9	2 51	25 24	1 58	14 52	1 44	17 56	1 15	15 9	1 6	22 38	0 20	8 10	0 34	20 18	0 4	20 40	2 53	13 18	12 55	2 17	10 51	5 57
T 4	23 3	17 38	1 49	25 30	2 1	15 15	1 43	17 42	1 14	15 6	1 6	22 39	0 19	8 9	0 34	20 17	0 4	20 40	2 53	13 20	12 56	2 19	10 50	5 57
W 5	23 8	15 15	0 43	25 35	2 3	15 37	1 41	17 27	1 13	15 2	1 6	22 39	0 19	8 9	0 34	20 17	0 4	20 40	2 53	13 20	12 57	2 21	10 50	5 56
T 6	23 12	12 14	0s23	25 38	2 5	15 59	1 39	17 13	1 12	14 59	1 6	22 40	0 19	8 9	0 34	20 17	0 4	20 40	2 53	13 21	12 58	2 23	10 49	5 56
F 7	23 17	8 45	1 27	25 39	2 7	16 20	1 38	16 58	1 11	14 56	1 6	22 40	0 19	8 8	0 34	20 16	0 4	20 40	2 53	13 20	12 59	2 25	10 49	5 56
S 8	23 20	4 59	2 26	25 39	2 9	16 42	1 36	16 43	1 10	14 52	1 5	22 41	0 19	8 8	0 34	20 16	0 4	20 40	2 53	13 20	13 0	2 27	10 48	5 55
S 9	23 23	1 3	3 18	25 38	2 10	17 2	1 34	16 28	1 9	14 48	1 5	22 41	0 19	8 8	0 34	20 15	0 4	20 40	2 53	13 20	13 1	2 29	10 48	5 55
M10	23 26	2n54	4 1	25 34	2 10	17 23	1 32	16 13	1 9	14 45	1 5	22 42	0 19	8 8	0 34	20 15	0 4	20 40	2 53	13 21	13 3	2 31	10 47	5 55
T 11	23 28	6 46	4 35	25 29	2 10	17 42	1 30	15 58	1 8	14 41	1 5	22 42	0 19	8 7	0 34	20 15	0 4	20 40	2 53	13 23	13 4	2 33	10 46	5 55
W12	23 30	10 24	4 56	25 23	2 10	18 2	1 28	15 42	1 7	14 37	1 5	22 43	0 19	8 7	0 34	20 14	0 4	20 40	2 53	13 26	13 5	2 35	10 46	5 54
T 13	23 31	13 39	5 5	25 14	2 9	18 21	1 26	15 27	1 6	14 34	1 5	22 43	0 19	8 7	0 34	20 14	0 4	20 40	2 52	13 29	13 6	2 37	10 45	5 54
F 14	23 32	16 22	4 59	25 4	2 7	18 39	1 24	15 11	1 5	14 30	1 5	22 44	0 18	8 7	0 33	20 13	0 4	20 40	2 52	13 32	13 7	2 39	10 44	5 54
S 15	23 33	18 22	4 39	24 53	2 5	18 57	1 22	14 55	1 4	14 26	1 5	22 44	0 18	8 7	0 33	20 13	0 4	20 40	2 52	13 36	13 8	2 41	10 44	5 53
S 16	23 32	19 28	4 4	24 40	2 3	19 15	1 20	14 39	1 4	14 22	1 5	22 45	0 18	8 6	0 33	20 13	0 4	20 40	2 52	13 39	13 9	2 43	10 43	5 53
M17	23 32	19 33	3 16	24 25	1 59	19 31	1 18	14 23	1 3	14 18	1 5	22 45	0 18	8 6	0 33	20 12	0 4	20 40	2 52	13 42	13 10	2 46	10 42	5 53
T 18	23 31	18 33	2 16	24 8	1 55	19 48	1 16	14 7	1 2	14 14	1 4	22 46	0 18	8 6	0 33	20 12	0 4	20 40	2 52	13 44	13 11	2 48	10 42	5 53
W19	23 29	16 30	1 7	23 50	1 51	20 4	1 13	13 50	1 1	14 10	1 4	22 46	0 18	8 6	0 33	20 11	0 4	20 40	2 52	13 45	13 12	2 50	10 41	5 52
T 20	23 27	13 29	0n 6	23 31	1 45	20 19	1 11	13 34	1 0	14 6	1 4	22 47	0 18	8 6	0 33	20 11	0 4	20 41	2 52	13 45	13 13	2 52	10 40	5 52
F 21	23 25	9 41	1 20	23 10	1 39	20 34	1 9	13 17	0 59	14 2	1 4	22 47	0 18	8 6	0 33	20 10	0 4	20 41	2 52	13 45	13 14	2 54	10 39	5 52
S 22	23 22	5 20	2 29	22 48	1 32	20 48	1 6	13 0	0 58	13 58	1 4	22 48	0 18	8 6	0 33	20 10	0 4	20 41	2 52	13 44	13 15	2 56	10 39	5 51
S 23	23 18	0 40	3 31	22 25	1 23	21 1	1 4	12 44	0 58	13 54	1 4	22 48	0 18	8 6	0 33	20 9	0 4	20 41	2 52	13 44	13 16	2 58	10 38	5 51
M24	23 14	4s 3	4 20	22 0	1 14	21 14	1 1	12 27	0 57	13 50	1 4	22 49	0 17	8 6	0 33	20 9	0 4	20 41	2 52	13 44	13 18	3 0	10 37	5 51
T 25	23 10	8 34	4 53	21 35	1 4	21 27	0 59	12 10	0 56	13 46	1 4	22 49	0 17	8 6	0 33	20 9	0 4	20 41	2 52	13 45	13 19	3 2	10 36	5 51
W26	23 5	12 36	5 8	21 10	0 53	21 38	0 56	11 53	0 55	13 41	1 4	22 50	0 17	8 6	0 33	20 8	0 4	20 41	2 52	13 47	13 20	3 4	10 35	5 51
T 27	23 0	15 55	5 5	20 43	0 41	21 49	0 54	11 35	0 54	13 37	1 4	22 50	0 17	8 6	0 33	20 8	0 4	20 41	2 52	13 49	13 21	3 6	10 34	5 50
F 28	22 54	18 15	4 42	20 17	0 28	22 0	0 51	11 18	0 53	13 33	1 4	22 51	0 17	8 6	0 33	20 7	0 4	20 41	2 52	13 51	13 22	3 8	10 34	5 50
S 29	22 48	19 29	4 4	19 52	0 14	22 10	0 49	11 1	0 52	13 29	1 4	22 51	0 17	8 6	0 33	20 7	0 4	20 41	2 51	13 53	13 23	3 10	10 33	5 50
S 30	22 41	19 32	3 11	19 26	0n 1	22 19	0 46	10 43	0 51	13 24	1 3	22 52	0 17	8 6	0 33	20 6	0 4	20 41	2 51	13 55	13 24	3 12	10 32	5 50
M31	22s34	18s27	2n 9	19s 2	0n17	22s27	0n43	10s26	0s51	13s20	1s 3	22n52	0s17	8n 6	0s33	20s 6	0n 4	20n41	2s51	13n56	13n25	3n14	10s31	5n49

Julian Day Number = 2152021.5, Delta T = 14m05s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'21, Lahiri = 12°25'21 Julian Calendar 1 Dec. 1179 == Greg. Calendar 8 Dec. 1179

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

JANUARY 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 59	17♉ 6'08	11♒30	4♒37	21♐24	5♓58	27♒52	10°R 7	22♈ 2	0♒25	29°R48	22°R52	24♌26	18♈ 2	16♒10	T 1
W 2	7 9 56	18° 7'15	24°15	4°54	22°39	6°44	28° 5	10♋ 2	22° 3	0°28	29♊47	22°D52	24°23	18° 9	16°14	W 2
T 3	7 13 52	19° 8'21	6♓41	5°R 1	23°53	7°29	28°18	9°57	22° 3	0°30	29°45	22♌52	24°20	18°16	16°18	T 3
F 4	7 17 49	20° 9'26	18°52	4°56	25° 8	8°15	28°31	9°52	22° 3	0°32	29°44	22°54	24°17	18°22	16°22	F 4
S 5	7 21 45	21°10'30	0♈52	4°40	26°23	9° 0	28°44	9°47	22° 4	0°34	29°43	22°56	24°13	18°29	16°26	S 5
S 6	7 25 42	22°11'32	12°44	4°12	27°37	9°46	28°57	9°42	22° 5	0°37	29°42	22°57	24°10	18°36	16°30	S 6
M 7	7 29 39	23°12'34	24°35	3°34	28°52	10°31	29°10	9°38	22° 5	0°39	29°41	22°R58	24° 7	18°42	16°34	M 7
T 8	7 33 35	24°13'34	6♉29	2°45	0♉ 7	11°17	29°23	9°33	22° 6	0°41	29°40	22°57	24° 4	18°49	16°38	T 8
W 9	7 37 32	25°14'34	18°30	1°47	1°22	12° 2	29°36	9°28	22° 7	0°44	29°39	22°55	24° 1	18°56	16°42	W 9
T 10	7 41 28	26°15'32	0♊45	0°42	2°36	12°47	29°49	9°24	22° 8	0°46	29°37	22°52	23°58	19° 2	16°46	T 10
F 11	7 45 25	27°16'29	13°15	29♉32	3°51	13°33	0♓ 3	9°19	22° 9	0°48	29°36	22°48	23°54	19° 9	16°50	F 11
S 12	7 49 21	28°17'24	26° 3	28°18	5° 6	14°18	0°16	9°14	22° 9	0°50	29°35	22°43	23°51	19°16	16°54	S 12
S 13	7 53 18	29°18'19	9♋11	27° 4	6°21	15° 3	0°29	9°10	22°10	0°53	29°34	22°40	23°48	19°23	16°59	S 13
M14	7 57 14	0♒19'12	22°37	25°50	7°35	15°48	0°43	9° 5	22°11	0°55	29°33	22°36	23°45	19°29	17° 3	M14
T 15	8 1 11	1°20'04	6♌22	24°40	8°50	16°34	0°56	9° 1	22°13	0°57	29°32	22°35	23°42	19°36	17° 7	T 15
W16	8 5 8	2°20'55	20°20	23°34	10° 5	17°19	1°10	8°57	22°14	0°59	29°31	22°D34	23°38	19°43	17°11	W16
T 17	8 9 4	3°21'45	4♍30	22°34	11°20	18° 4	1°24	8°52	22°15	1° 2	29°30	22°34	23°35	19°49	17°15	T 17
F 18	8 13 1	4°22'34	18°46	21°42	12°34	18°49	1°37	8°48	22°16	1° 4	29°29	22°35	23°32	19°56	17°19	F 18
S 19	8 16 57	5°23'21	3♎ 4	20°57	13°49	19°34	1°51	8°44	22°17	1° 6	29°28	22°37	23°29	20° 3	17°24	S 19
S 20	8 20 54	6°24'08	17°22	20°21	15° 4	20°19	2° 5	8°40	22°19	1° 9	29°27	22°38	23°26	20° 9	17°28	S 20
M21	8 24 50	7°24'53	1♏36	19°52	16°19	21° 4	2°19	8°36	22°20	1°11	29°26	22°R38	23°23	20°16	17°32	M21
T 22	8 28 47	8°25'38	15°44	19°32	17°34	21°49	2°32	8°32	22°22	1°13	29°25	22°38	23°19	20°23	17°36	T 22
W23	8 32 43	9°26'22	29°44	19°20	18°48	22°34	2°46	8°28	22°23	1°15	29°24	22°38	23°16	20°30	17°41	W23
T 24	8 36 40	10°27'04	13♐35	19°D16	20° 3	23°19	3° 0	8°24	22°24	1°18	29°23	22°36	23°13	20°36	17°45	T 24
F 25	8 40 37	11°27'45	27°15	19°19	21°18	24° 4	3°14	8°20	22°26	1°20	29°23	22°35	23°10	20°43	17°49	F 25
S 26	8 44 33	12°28'25	10♑43	19°29	22°33	24°48	3°28	8°17	22°28	1°22	29°22	22°33	23° 7	20°50	17°53	S 26
S 27	8 48 30	13°29'04	23°58	19°45	23°47	25°33	3°42	8°13	22°29	1°24	29°21	22°32	23° 4	20°56	17°58	S 27
M28	8 52 26	14°29'41	6♒58	20° 7	25° 2	26°18	3°56	8°10	22°31	1°27	29°20	22°31	23° 0	21° 3	18° 2	M28
T 29	8 56 23	15°30'17	19°45	20°34	26°17	27° 3	4°11	8° 6	22°33	1°29	29°19	22°D31	22°57	21°10	18° 6	T 29
W30	9 0 19	16°30'51	2♓17	21° 7	27°32	27°47	4°25	8° 3	22°35	1°31	29°18	22°31	22°54	21°16	18°10	W30
T 31	9 4 16	17♒31'24	14♓37	21♑44	28♑46	28♓32	4♓39	8♋ 0	22♈36	1♒33	29♊18	22♌32	22♌51	21♈23	18♒15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s27	16s25	1n 2	18s39	0n33	22s35	0n41	10s 8	0s50	13s15	1s 3	22n53	0s17	8n 7	0s33	20s 5	0n 4	20n41	2s51	13n57	13n26	3n16	10s30	5n49
W 2	22 19	13 37	0s 8	18 18	0 51	22 42	0 38	9 50	0 49	13 11	1 3	22 53	0 16	8 7	0 33	20 5	0 4	20 41	2 51	13 57	13 27	3 18	10 29	5 49
T 3	22 10	10 15	1 15	17 59	1 9	22 49	0 35	9 32	0 48	13 6	1 3	22 54	0 16	8 7	0 33	20 4	0 4	20 42	2 51	13 57	13 28	3 20	10 28	5 49
F 4	22 1	6 32	2 17	17 42	1 27	22 55	0 33	9 15	0 47	13 2	1 3	22 54	0 16	8 7	0 33	20 4	0 4	20 42	2 51	13 57	13 29	3 22	10 27	5 49
S 5	21 52	2 36	3 13	17 28	1 46	23 0	0 30	8 57	0 46	12 57	1 3	22 55	0 16	8 8	0 33	20 3	0 4	20 42	2 51	13 56	13 30	3 25	10 26	5 48
S 6	21 42	1n22	4 0	17 17	2 4	23 4	0 27	8 39	0 45	12 53	1 3	22 55	0 16	8 8	0 33	20 3	0 4	20 42	2 51	13 55	13 31	3 27	10 25	5 48
M 7	21 32	5 17	4 36	17 9	2 21	23 8	0 25	8 21	0 45	12 48	1 3	22 56	0 16	8 8	0 33	20 3	0 4	20 42	2 51	13 55	13 32	3 29	10 24	5 48
T 8	21 22	9 0	5 1	17 4	2 38	23 11	0 22	8 2	0 44	12 43	1 3	22 56	0 16	8 8	0 33	20 2	0 3	20 42	2 51	13 56	13 33	3 31	10 23	5 48
W 9	21 11	12 24	5 13	17 2	2 53	23 13	0 19	7 44	0 43	12 39	1 3	22 57	0 16	8 9	0 33	20 2	0 3	20 42	2 51	13 56	13 35	3 33	10 22	5 48
T 10	20 59	15 20	5 11	17 3	3 6	23 15	0 16	7 26	0 42	12 34	1 3	22 57	0 15	8 9	0 33	20 1	0 3	20 42	2 50	13 57	13 36	3 35	10 21	5 48
F 11	20 48	17 37	4 54	17 7	3 18	23 16	0 14	7 8	0 41	12 29	1 3	22 58	0 15	8 9	0 33	20 1	0 3	20 42	2 50	13 59	13 37	3 37	10 20	5 47
S 12	20 36	19 7	4 23	17 13	3 27	23 16	0 11	6 50	0 40	12 24	1 3	22 58	0 15	8 10	0 32	20 0	0 3	20 42	2 50	14 0	13 38	3 39	10 19	5 47
S 13	20 23	19 37	3 37	17 21	3 33	23 15	0 8	6 31	0 40	12 19	1 3	22 58	0 15	8 10	0 32	20 0	0 3	20 42	2 50	14 1	13 39	3 41	10 18	5 47
M14	20 10	19 3	2 38	17 30	3 38	23 14	0 6	6 13	0 39	12 15	1 3	22 59	0 15	8 11	0 32	19 59	0 3	20 42	2 50	14 2	13 40	3 43	10 17	5 47
T 15	19 57	17 20	1 28	17 41	3 39	23 12	0 3	5 54	0 38	12 10	1 3	22 59	0 15	8 11	0 32	19 59	0 3	20 43	2 50	14 3	13 41	3 45	10 16	5 47
W16	19 43	14 35	0 12	17 53	3 39	23 9	0 0	5 36	0 37	12 5	1 3	23 0	0 15	8 11	0 32	19 58	0 3	20 43	2 50	14 3	13 42	3 47	10 14	5 47
T 17	19 29	10 55	1n 5	18 5	3 36	23 6	0s 2	5 18	0 36	12 0	1 3	23 0	0 15	8 12	0 32	19 58	0 3	20 43	2 50	14 3	13 43	3 49	10 13	5 47
F 18	19 15	6 36	2 20	18 18	3 31	23 2	0 5	4 59	0 35	11 55	1 2	23 1	0 15	8 12	0 32	19 57	0 3	20 43	2 50	14 3	13 44	3 51	10 12	5 47
S 19	19 0	1 55	3 26	18 31	3 25	22 57	0 8	4 41	0 34	11 50	1 2	23 1	0 14	8 13	0 32	19 57	0 3	20 43	2 50	14 2	13 45	3 53	10 11	5 46
S 20	18 45	2s52	4 19	18 45	3 17	22 51	0 10	4 22	0 34	11 45	1 2	23 1	0 14	8 13	0 32	19 56	0 3	20 43	2 50	14 2	13 46	3 55	10 10	5 46
M21	18 30	7 28	4 55	18 57	3 8	22 45	0 13	4 4	0 33	11 40	1 2	23 2	0 14	8 14	0 32	19 56	0 3	20 43	2 49	14 2	13 47	3 58	10 9	5 46
T 22	18 14	11 36	5 14	19 10	2 59	22 38	0 15	3 45	0 32	11 35	1 2	23 2	0 14	8 15	0 32	19 55	0 3	20 43	2 49	14 2	13 48	4 0	10 7	5 46
W23	17 58	15 4	5 14	19 22	2 48	22 31	0 18	3 26	0 31	11 30	1 2	23 2	0 14	8 15	0 32	19 55	0 3	20 43	2 49	14 2	13 49	4 2	10 6	5 46
T 24	17 42	17 38	4 56	19 34	2 37	22 23	0 20	3 8	0 30	11 25	1 2	23 3	0 14	8 16	0 32	19 54	0 3	20 43	2 49	14 2	13 50	4 4	10 5	5 46
F 25	17 25	19 10	4 21	19 45	2 25	22 14	0 23	2 49	0 30	11 20	1 2	23 3	0 14	8 16	0 32	19 54	0 3	20 44	2 49	14 3	13 51	4 6	10 4	5 46
S 26	17 8	19 36	3 32	19 55	2 14	22 4	0 25	2 31	0 29	11 15	1 2	23 4	0 14	8 17	0 32	19 53	0 3	20 44	2 49	14 3	13 52	4 8	10 3	5 46
S 27	16 51	18 55	2 32	20 5	2 2	21 54	0 28	2 12	0 28	11 10	1 2	23 4	0 13	8 18	0 32	19 53	0 3	20 44	2 49	14 4	13 53	4 10	10 1	5 46
M28	16 33	17 14	1 25	20 13	1 50	21 43	0 30	1 54	0 27	11 4	1 2	23 4	0 13	8 18	0 32	19 52	0 3	20 44	2 49	14 4	13 54	4 12	10 0	5 46
T 29	16 15	14 43	0 15	20 21	1 38	21 31	0 33	1 35	0 26	10 59	1 2	23 5	0 13	8 19	0 32	19 52	0 3	20 44	2 49	14 4	13 56	4 14	9 59	5 46
W30	15 57	11 33	0s54	20 28	1 26	21 19	0 35	1 16	0 25	10 54	1 2	23 5	0 13	8 20	0 32	19 51	0 3	20 44	2 48	14 4	13 57	4 16	9 58	5 46
T 31	15s39	7s55	2s 0	20s34	1n14	21s 6	0s37	0s58	0s25	10s49	1s 2	23n 5	0s13	8n20	0s32	19s51	0n 3	20n44	2s48	14n 4	13n58	4n18	9s56	5n46

Julian Day Number = 2152052.5, Delta T = 14m05s
Ecliptic obliquity = 23°32'36, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'25, Lahiri = 12°25'25 Julian Calendar 1 Jan. 1180 == Greg. Calendar 8 Jan. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

FEBRUARY 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 8 12	18♒31'54	26♓44	22♑25	0♒ 1	29♓16	4♓53	7°R56	22♈38	1♒35	29°R17	22♌32	22♌48	21♈30	18♒19	F 1
S 2	9 12 9	19°32'23	8♈43	23°11	1°16	0♈ 1	5° 7	7♋53	22°40	1°38	29♊16	22°33	22°44	21°37	18°23	S 2
S 3	9 16 6	20°32'50	20°36	24° 0	2°31	0°46	5°22	7°50	22°42	1°40	29°15	22°33	22°41	21°43	18°27	S 3
M 4	9 20 2	21°33'15	2♉27	24°52	3°45	1°30	5°36	7°47	22°44	1°42	29°15	22°33	22°38	21°50	18°32	M 4
T 5	9 23 59	22°33'38	14°20	25°48	5° 0	2°14	5°50	7°45	22°46	1°44	29°14	22°33	22°35	21°57	18°36	T 5
W 6	9 27 55	23°33'59	26°20	26°46	6°15	2°59	6° 5	7°42	22°48	1°46	29°13	22°33	22°32	22° 3	18°40	W 6
T 7	9 31 52	24°34'19	8♊32	27°47	7°29	3°43	6°19	7°39	22°51	1°49	29°13	22°33	22°29	22°10	18°44	T 7
F 8	9 35 48	25°34'36	21° 0	28°51	8°44	4°27	6°33	7°37	22°53	1°51	29°12	22°33	22°25	22°17	18°49	F 8
S 9	9 39 45	26°34'51	3♋48	29°57	9°59	5°12	6°48	7°34	22°55	1°53	29°11	22°34	22°22	22°23	18°53	S 9
S 10	9 43 41	27°35'04	16°59	1♌ 5	11°13	5°56	7° 2	7°32	22°57	1°55	29°11	22°34	22°19	22°30	18°57	S 10
M11	9 47 38	28°35'15	0♌34	2°15	12°28	6°40	7°16	7°30	22°59	1°57	29°10	22°35	22°16	22°37	19° 1	M11
T 12	9 51 35	29°35'24	14°33	3°28	13°43	7°24	7°31	7°28	23° 2	1°59	29°10	22°35	22°13	22°44	19° 6	T 12
W13	9 55 31	0♓35'31	28°52	4°42	14°57	8° 8	7°45	7°26	23° 4	2° 1	29° 9	22°R35	22°10	22°50	19°10	W13
T 14	9 59 28	1°35'36	13♍28	5°57	16°12	8°52	8° 0	7°24	23° 7	2° 3	29° 9	22°35	22° 6	22°57	19°14	T 14
F 15	10 3 24	2°35'40	28°13	7°15	17°27	9°36	8°14	7°22	23° 9	2° 5	29° 8	22°34	22° 3	23° 4	19°18	F 15
S 16	10 7 21	3°35'41	13♎ 0	8°34	18°41	10°20	8°29	7°21	23°11	2° 7	29° 8	22°32	22° 0	23°10	19°22	S 16
S 17	10 11 17	4°35'41	27°42	9°55	19°56	11° 4	8°43	7°19	23°14	2° 9	29° 7	22°31	21°57	23°17	19°27	S 17
M18	10 15 14	5°35'39	12♏14	11°17	21°11	11°48	8°58	7°17	23°17	2°11	29° 7	22°30	21°54	23°24	19°31	M18
T 19	10 19 10	6°35'35	26°30	12°40	22°25	12°32	9°12	7°16	23°19	2°13	29° 7	22°29	21°50	23°31	19°35	T 19
W20	10 23 7	7°35'30	10♐29	14° 5	23°40	13°16	9°27	7°15	23°22	2°15	29° 6	22°D29	21°47	23°37	19°39	W20
T 21	10 27 3	8°35'24	24°10	15°31	24°54	13°59	9°41	7°14	23°24	2°17	29° 6	22°29	21°44	23°44	19°43	T 21
F 22	10 31 0	9°35'15	7♑33	16°59	26° 9	14°43	9°56	7°13	23°27	2°19	29° 6	22°30	21°41	23°51	19°47	F 22
S 23	10 34 57	10°35'05	20°40	18°28	27°24	15°27	10°10	7°12	23°30	2°21	29° 5	22°32	21°38	23°57	19°51	S 23
S 24	10 38 53	11°34'53	3♒31	19°58	28°38	16°10	10°25	7°11	23°33	2°23	29° 5	22°33	21°35	24° 4	19°55	S 24
M25	10 42 50	12°34'39	16°10	21°30	29°53	16°54	10°39	7°10	23°35	2°25	29° 5	22°34	21°31	24°11	19°59	M25
T 26	10 46 46	13°34'23	28°37	23° 3	1♓ 7	17°38	10°54	7°10	23°38	2°26	29° 5	22°R34	21°28	24°17	20° 3	T 26
W27	10 50 43	14°34'05	10♓54	24°37	2°22	18°21	11° 8	7° 9	23°41	2°28	29° 4	22°33	21°25	24°24	20° 7	W27
T 28	10 54 39	15°33'45	23° 2	26°12	3°36	19° 4	11°23	7° 9	23°44	2°30	29° 4	22°31	21°22	24°31	20°11	T 28
F 29	10 58 36	16♓33'23	5♈ 3	27♒49	4♓51	19♈48	11♓37	7♋ 9	23♈47	2♒32	29♊ 4	22♌27	21♌19	24♈38	20♒15	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s20	4s 2	2s59	20s39	1n 2	20s53	0s39	0s39	0s24	10s44	1s 2	23n 5	0s13	8n21	0s32	19s50	0n 3	20n44	2s48	14n 4	13n59	4n20	9s55	5n46
S 2	15 1	0 3	3 49	20 42	0 51	20 39	0 42	0 21	0 23	10 38	1 2	23 6	0 13	8 22	0 32	19 50	0 3	20 44	2 48	14 4	14 0	4 22	9 54	5 46
S 3	14 42	3n55	4 30	20 45	0 40	20 24	0 44	0 2	0 22	10 33	1 2	23 6	0 13	8 23	0 32	19 49	0 3	20 44	2 48	14 3	14 1	4 24	9 53	5 46
M 4	14 23	7 42	4 58	20 46	0 29	20 9	0 46	0n16	0 21	10 28	1 2	23 6	0 12	8 23	0 32	19 49	0 3	20 45	2 48	14 3	14 2	4 26	9 51	5 46
T 5	14 3	11 12	5 14	20 47	0 18	19 53	0 48	0 35	0 21	10 22	1 2	23 7	0 12	8 24	0 32	19 48	0 3	20 45	2 48	14 3	14 3	4 28	9 50	5 46
W 6	13 43	14 17	5 17	20 46	0 8	19 36	0 50	0 53	0 20	10 17	1 2	23 7	0 12	8 25	0 32	19 48	0 3	20 45	2 48	14 3	14 4	4 31	9 49	5 46
T 7	13 23	16 48	5 5	20 44	0s 2	19 19	0 52	1 12	0 19	10 12	1 2	23 7	0 12	8 26	0 32	19 48	0 3	20 45	2 48	14 3	14 5	4 33	9 48	5 46
F 8	13 3	18 36	4 39	20 40	0 12	19 1	0 54	1 30	0 18	10 6	1 2	23 8	0 12	8 27	0 32	19 47	0 3	20 45	2 47	14 3	14 6	4 35	9 46	5 46
S 9	12 43	19 30	3 59	20 36	0 21	18 43	0 56	1 48	0 17	10 1	1 2	23 8	0 12	8 28	0 32	19 47	0 3	20 45	2 47	14 3	14 7	4 37	9 45	5 46
S 10	12 22	19 24	3 5	20 30	0 30	18 25	0 58	2 7	0 17	9 56	1 2	23 8	0 12	8 28	0 32	19 46	0 3	20 45	2 47	14 3	14 8	4 39	9 44	5 46
M11	12 1	18 11	1 59	20 22	0 39	18 5	1 0	2 25	0 16	9 50	1 2	23 8	0 12	8 29	0 32	19 46	0 3	20 45	2 47	14 3	14 9	4 41	9 42	5 46
T 12	11 40	15 50	0 44	20 14	0 47	17 46	1 1	2 43	0 15	9 45	1 2	23 9	0 11	8 30	0 32	19 45	0 3	20 45	2 47	14 3	14 10	4 43	9 41	5 46
W13	11 19	12 28	0n35	20 4	0 55	17 25	1 3	3 1	0 14	9 40	1 2	23 9	0 11	8 31	0 31	19 45	0 3	20 46	2 47	14 3	14 11	4 45	9 40	5 46
T 14	10 57	8 16	1 53	19 53	1 3	17 5	1 5	3 19	0 14	9 34	1 2	23 9	0 11	8 32	0 31	19 44	0 3	20 46	2 47	14 3	14 12	4 47	9 38	5 46
F 15	10 36	3 32	3 5	19 40	1 10	16 44	1 6	3 38	0 13	9 29	1 2	23 9	0 11	8 33	0 31	19 44	0 3	20 46	2 47	14 3	14 13	4 49	9 37	5 46
S 16	10 14	1s24	4 4	19 26	1 17	16 22	1 8	3 56	0 12	9 23	1 2	23 9	0 11	8 34	0 31	19 43	0 3	20 46	2 47	14 4	14 14	4 51	9 36	5 46
S 17	9 52	6 14	4 47	19 11	1 24	16 0	1 9	4 14	0 11	9 18	1 2	23 10	0 11	8 35	0 31	19 43	0 3	20 46	2 46	14 4	14 15	4 53	9 34	5 46
M18	9 30	10 38	5 11	18 55	1 30	15 37	1 11	4 31	0 11	9 12	1 2	23 10	0 11	8 36	0 31	19 43	0 3	20 46	2 46	14 4	14 16	4 55	9 33	5 46
T 19	9 8	14 20	5 16	18 37	1 36	15 14	1 12	4 49	0 10	9 7	1 2	23 10	0 11	8 37	0 31	19 42	0 3	20 46	2 46	14 5	14 17	4 57	9 32	5 46
W20	8 46	17 9	5 1	18 17	1 41	14 51	1 14	5 7	0 9	9 2	1 2	23 10	0 10	8 38	0 31	19 42	0 3	20 46	2 46	14 5	14 18	4 59	9 30	5 46
T 21	8 23	18 56	4 30	17 57	1 46	14 27	1 15	5 25	0 8	8 56	1 2	23 10	0 10	8 39	0 31	19 41	0 3	20 47	2 46	14 5	14 19	5 2	9 29	5 46
F 22	8 0	19 36	3 44	17 35	1 51	14 3	1 16	5 43	0 8	8 51	1 3	23 11	0 10	8 40	0 31	19 41	0 3	20 47	2 46	14 4	14 20	5 4	9 28	5 46
S 23	7 38	19 11	2 47	17 11	1 55	13 38	1 17	6 0	0 7	8 45	1 3	23 11	0 10	8 41	0 31	19 40	0 3	20 47	2 46	14 4	14 21	5 6	9 26	5 46
S 24	7 15	17 47	1 43	16 46	1 59	13 13	1 18	6 18	0 6	8 40	1 3	23 11	0 10	8 42	0 31	19 40	0 3	20 47	2 46	14 3	14 22	5 8	9 25	5 46
M25	6 52	15 30	0 35	16 20	2 3	12 48	1 19	6 35	0 5	8 34	1 3	23 11	0 10	8 43	0 31	19 40	0 3	20 47	2 45	14 3	14 23	5 10	9 24	5 47
T 26	6 29	12 32	0s33	15 52	2 6	12 22	1 20	6 53	0 5	8 29	1 3	23 11	0 10	8 44	0 31	19 39	0 3	20 47	2 45	14 3	14 24	5 12	9 22	5 47
W27	6 6	9 3	1 39	15 23	2 8	11 56	1 21	7 10	0 4	8 23	1 3	23 11	0 10	8 45	0 31	19 39	0 3	20 47	2 45	14 3	14 26	5 14	9 21	5 47
T 28	5 43	5 13	2 40	14 53	2 11	11 30	1 22	7 27	0 3	8 18	1 3	23 12	0 10	8 46	0 31	19 38	0 3	20 47	2 45	14 4	14 27	5 16	9 20	5 47
F 29	5s20	1s14	3s33	14s21	2s12	11s 3	1s23	7n44	0s 2	8s12	1s 3	23n12	0s 9	8n47	0s31	19s38	0n 3	20n47	2s45	14n 5	14n28	5n18	9s18	5n47

Julian Day Number = 2152083.5, Delta T = 14m05s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'29, Lahiri = 12°25'30 Julian Calendar 1 Feb. 1180 == Greg. Calendar 8 Feb. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

MARCH 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 32	17♓32'59	16♈58	29♒27	6♓ 5	20♈31	11♓52	7°R 8	23♈50	2♒34	29°R 4	22°R23	21♌15	24♈44	20♒19	S 1
S 2	11 6 29	18°32'33	28°50	1♓ 6	7°20	21°15	12° 6	7°D 8	23°53	2°35	29♊ 4	22♌18	21°12	24°51	20°23	S 2
M 3	11 10 26	19°32'04	10♉41	2°46	8°34	21°58	12°21	7♋ 8	23°56	2°37	29° 4	22°14	21° 9	24°58	20°27	M 3
T 4	11 14 22	20°31'34	22°34	4°28	9°49	22°41	12°35	7° 9	23°59	2°39	29° 4	22°10	21° 6	25° 4	20°31	T 4
W 5	11 18 19	21°31'01	4♊33	6°11	11° 3	23°24	12°49	7° 9	24° 2	2°40	29° 4	22° 7	21° 3	25°11	20°34	W 5
T 6	11 22 15	22°30'25	16°42	7°55	12°18	24° 7	13° 4	7° 9	24° 5	2°42	29°D 4	22° 6	21° 0	25°18	20°38	T 6
F 7	11 26 12	23°29'47	29° 6	9°41	13°32	24°50	13°18	7°10	24° 8	2°44	29° 4	22°D 6	20°56	25°25	20°42	F 7
S 8	11 30 8	24°29'07	11♋49	11°28	14°47	25°33	13°33	7°11	24°11	2°45	29° 4	22° 7	20°53	25°31	20°46	S 8
S 9	11 34 5	25°28'25	24°55	13°16	16° 1	26°16	13°47	7°11	24°14	2°47	29° 4	22° 9	20°50	25°38	20°49	S 9
M10	11 38 1	26°27'40	8♌27	15° 6	17°15	26°59	14° 1	7°12	24°17	2°48	29° 4	22°10	20°47	25°45	20°53	M10
T 11	11 41 58	27°26'53	22°27	16°57	18°30	27°42	14°16	7°13	24°20	2°50	29° 4	22°R11	20°44	25°51	20°57	T 11
W12	11 45 55	28°26'03	6♍53	18°49	19°44	28°25	14°30	7°14	24°23	2°51	29° 4	22°10	20°41	25°58	21° 0	W12
T 13	11 49 51	29°25'12	21°42	20°43	20°59	29° 8	14°44	7°15	24°27	2°53	29° 4	22° 7	20°37	26° 5	21° 4	T 13
F 14	11 53 48	0♈24'18	6♎46	22°38	22°13	29°51	14°58	7°17	24°30	2°54	29° 4	22° 3	20°34	26°12	21° 7	F 14
S 15	11 57 44	1°23'22	21°57	24°34	23°27	0♉33	15°13	7°18	24°33	2°56	29° 5	21°57	20°31	26°18	21°11	S 15
S 16	12 1 41	2°22'24	7♏ 4	26°32	24°42	1°16	15°27	7°20	24°36	2°57	29° 5	21°51	20°28	26°25	21°14	S 16
M17	12 5 37	3°21'24	21°57	28°31	25°56	1°59	15°41	7°21	24°40	2°58	29° 5	21°46	20°25	26°32	21°18	M17
T 18	12 9 34	4°20'23	6♐30	0♈32	27°10	2°41	15°55	7°23	24°43	3° 0	29° 5	21°41	20°21	26°38	21°21	T 18
W19	12 13 30	5°19'20	20°39	2°33	28°24	3°24	16° 9	7°25	24°46	3° 1	29° 6	21°39	20°18	26°45	21°24	W19
T 20	12 17 27	6°18'15	4♑22	4°36	29°39	4° 6	16°23	7°27	24°49	3° 2	29° 6	21°D37	20°15	26°52	21°28	T 20
F 21	12 21 23	7°17'08	17°40	6°39	0♈53	4°49	16°37	7°29	24°53	3° 4	29° 6	21°38	20°12	26°58	21°31	F 21
S 22	12 25 20	8°16'00	0♒37	8°44	2° 7	5°31	16°51	7°31	24°56	3° 5	29° 7	21°39	20° 9	27° 5	21°34	S 22
S 23	12 29 17	9°14'49	13°15	10°49	3°22	6°13	17° 5	7°33	24°59	3° 6	29° 7	21°40	20° 6	27°12	21°37	S 23
M24	12 33 13	10°13'37	25°38	12°55	4°36	6°56	17°19	7°35	25° 3	3° 7	29° 7	21°R41	20° 2	27°19	21°40	M24
T 25	12 37 10	11°12'23	7♓51	15° 1	5°50	7°38	17°33	7°38	25° 6	3° 8	29° 8	21°39	19°59	27°25	21°44	T 25
W26	12 41 6	12°11'07	19°55	17° 8	7° 4	8°20	17°47	7°40	25°10	3° 9	29° 8	21°35	19°56	27°32	21°47	W26
T 27	12 45 3	13° 9'49	1♈53	19°14	8°18	9° 2	18° 1	7°43	25°13	3°10	29° 9	21°29	19°53	27°39	21°50	T 27
F 28	12 48 59	14° 8'29	13°48	21°20	9°33	9°45	18°15	7°46	25°16	3°11	29° 9	21°21	19°50	27°45	21°53	F 28
S 29	12 52 56	15° 7'08	25°40	23°25	10°47	10°27	18°28	7°49	25°20	3°12	29°10	21°11	19°46	27°52	21°56	S 29
S 30	12 56 52	16° 5'44	7♉31	25°29	12° 1	11° 9	18°42	7°52	25°23	3°13	29°10	21° 0	19°43	27°59	21°58	S 30
M31	13 0 49	17♈ 4'18	19♉24	27♈32	13♈15	11♉51	18♓56	7♋55	25♈27	3♒14	29♊11	20♌50	19♌40	28♈ 6	22♒ 1	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s56	2n46	4s16	13s48	2s14	10s36	1s23	8n 1	0s 2	8s 7	1s 3	23n12	0s 9	8n48	0s31	19s38	0n 3	20n48	2s45	14n 7	14n29	5n20	9s17	5n47
S 2	4 33	6 38	4 47	13 14	2 15	10 9	1 24	8 18	0 1	8 1	1 3	23 12	0 9	8 49	0 31	19 37	0 3	20 48	2 45	14 8	14 30	5 22	9 16	5 47
M 3	4 10	10 14	5 7	12 38	2 15	9 42	1 25	8 35	0 0	7 56	1 3	23 12	0 9	8 51	0 31	19 37	0 3	20 48	2 45	14 10	14 31	5 24	9 14	5 47
T 4	3 46	13 27	5 13	12 1	2 15	9 14	1 25	8 52	0n 0	7 50	1 3	23 12	0 9	8 52	0 31	19 36	0 3	20 48	2 44	14 11	14 32	5 26	9 13	5 48
W 5	3 23	16 8	5 6	11 22	2 15	8 46	1 26	9 9	0 1	7 45	1 3	23 12	0 9	8 53	0 31	19 36	0 3	20 48	2 44	14 12	14 33	5 28	9 12	5 48
T 6	2 59	18 9	4 45	10 42	2 14	8 18	1 26	9 25	0 2	7 39	1 3	23 12	0 9	8 54	0 31	19 36	0 3	20 48	2 44	14 12	14 34	5 30	9 11	5 48
F 7	2 36	19 22	4 10	10 1	2 12	7 50	1 26	9 42	0 2	7 34	1 3	23 12	0 9	8 55	0 31	19 35	0 3	20 48	2 44	14 12	14 35	5 33	9 9	5 48
S 8	2 12	19 39	3 23	9 18	2 10	7 21	1 27	9 58	0 3	7 28	1 3	23 12	0 8	8 56	0 31	19 35	0 3	20 48	2 44	14 12	14 36	5 35	9 8	5 48
S 9	1 48	18 53	2 23	8 34	2 8	6 52	1 27	10 15	0 4	7 23	1 3	23 13	0 8	8 57	0 31	19 35	0 3	20 49	2 44	14 11	14 37	5 37	9 7	5 48
M10	1 25	17 2	1 14	7 49	2 5	6 23	1 27	10 31	0 5	7 17	1 3	23 13	0 8	8 59	0 31	19 34	0 3	20 49	2 44	14 11	14 38	5 39	9 5	5 48
T 11	1 1	14 7	0n 1	7 3	2 2	5 54	1 27	10 47	0 5	7 12	1 3	23 13	0 8	9 0	0 31	19 34	0 3	20 49	2 44	14 11	14 39	5 41	9 4	5 49
W12	0 38	10 15	1 19	6 15	1 58	5 25	1 27	11 3	0 6	7 6	1 4	23 13	0 8	9 1	0 31	19 34	0 3	20 49	2 43	14 11	14 40	5 43	9 3	5 49
T 13	0 14	5 40	2 34	5 26	1 53	4 55	1 27	11 19	0 7	7 1	1 4	23 13	0 8	9 2	0 31	19 33	0 3	20 49	2 43	14 12	14 41	5 45	9 1	5 49
F 14	0n10	0 39	3 39	4 36	1 48	4 26	1 27	11 35	0 7	6 55	1 4	23 13	0 8	9 3	0 31	19 33	0 3	20 49	2 43	14 13	14 42	5 47	9 0	5 49
S 15	0 33	4s26	4 29	3 44	1 43	3 56	1 27	11 50	0 8	6 50	1 4	23 13	0 8	9 5	0 31	19 33	0 3	20 49	2 43	14 15	14 43	5 49	8 59	5 49
S 16	0 57	9 13	5 0	2 52	1 37	3 26	1 26	12 6	0 9	6 44	1 4	23 13	0 8	9 6	0 31	19 32	0 3	20 49	2 43	14 17	14 44	5 51	8 58	5 50
M17	1 20	13 21	5 10	1 58	1 30	2 56	1 26	12 21	0 9	6 39	1 4	23 13	0 7	9 7	0 31	19 32	0 3	20 50	2 43	14 19	14 45	5 53	8 56	5 50
T 18	1 44	16 34	5 0	1 4	1 23	2 26	1 26	12 37	0 10	6 34	1 4	23 13	0 7	9 8	0 31	19 32	0 3	20 50	2 43	14 20	14 46	5 55	8 55	5 50
W19	2 7	18 42	4 31	0 8	1 15	1 56	1 25	12 52	0 11	6 28	1 4	23 13	0 7	9 9	0 31	19 31	0 3	20 50	2 43	14 21	14 47	5 57	8 54	5 50
T 20	2 31	19 40	3 48	0n48	1 7	1 26	1 25	13 7	0 11	6 23	1 4	23 13	0 7	9 11	0 31	19 31	0 3	20 50	2 42	14 21	14 48	5 59	8 53	5 50
F 21	2 54	19 30	2 53	1 45	0 59	0 56	1 24	13 22	0 12	6 17	1 4	23 13	0 7	9 12	0 31	19 31	0 3	20 50	2 42	14 21	14 49	6 2	8 51	5 51
S 22	3 18	18 18	1 51	2 43	0 50	0 26	1 23	13 37	0 12	6 12	1 4	23 13	0 7	9 13	0 31	19 31	0 3	20 50	2 42	14 21	14 50	6 4	8 50	5 51
S 23	3 41	16 11	0 45	3 41	0 40	0n 5	1 23	13 52	0 13	6 7	1 5	23 13	0 7	9 14	0 31	19 30	0 3	20 50	2 42	14 21	14 51	6 6	8 49	5 51
M24	4 4	13 22	0s21	4 39	0 31	0 35	1 22	14 6	0 14	6 1	1 5	23 13	0 7	9 16	0 31	19 30	0 3	20 50	2 42	14 21	14 52	6 8	8 48	5 51
T 25	4 27	10 0	1 26	5 38	0 20	1 5	1 21	14 21	0 14	5 56	1 5	23 13	0 7	9 17	0 31	19 30	0 3	20 51	2 42	14 21	14 53	6 10	8 46	5 52
W26	4 50	6 15	2 26	6 36	0 10	1 35	1 20	14 35	0 15	5 51	1 5	23 13	0 6	9 18	0 31	19 30	0 3	20 51	2 42	14 22	14 54	6 12	8 45	5 52
T 27	5 13	2 17	3 19	7 34	0n 1	2 6	1 19	14 49	0 16	5 45	1 5	23 13	0 6	9 19	0 31	19 29	0 3	20 51	2 42	14 24	14 55	6 14	8 44	5 52
F 28	5 36	1n45	4 3	8 32	0 12	2 36	1 18	15 3	0 16	5 40	1 5	23 13	0 6	9 21	0 31	19 29	0 3	20 51	2 42	14 27	14 56	6 16	8 43	5 52
S 29	5 59	5 41	4 35	9 29	0 23	3 6	1 17	15 17	0 17	5 35	1 5	23 13	0 6	9 22	0 31	19 29	0 3	20 51	2 41	14 30	14 57	6 18	8 42	5 53
S 30	6 21	9 24	4 56	10 25	0 34	3 36	1 16	15 31	0 17	5 29	1 5	23 13	0 6	9 23	0 31	19 29	0 3	20 51	2 41	14 33	14 58	6 20	8 41	5 53
M31	6n44	12n46	5s 5	11n20	0n45	4n 6	1s15	15n44	0n18	5s24	1s 5	23n13	0s 6	9n24	0s31	19s28	0n 3	20n51	2s41	14n37	14n59	6n22	8s39	5n53

Julian Day Number = 2152112.5, Delta T = 14m05s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'33, Lahiri = 12°25'34 Julian Calendar 1 March 1180 == Greg. Calendar 8 March 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

APRIL 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 46	18♈ 2'50	1♊19	29♈33	14♈29	12♉33	19♓ 9	7♋58	25♈30	3♒15	29♊12	20°R40	19♌37	28♈12	22♒ 4	T 1
W 2	13 8 42	19° 1'20	13°20	1♉32	15°43	13°15	19°23	8° 1	25°33	3°16	29°12	20♌32	19°34	28°19	22° 7	W 2
T 3	13 12 39	19°59'48	25°29	3°29	16°58	13°56	19°36	8° 5	25°37	3°17	29°13	20°27	19°31	28°26	22°10	T 3
F 4	13 16 35	20°58'14	7♋51	5°23	18°12	14°38	19°50	8° 8	25°40	3°18	29°13	20°24	19°27	28°32	22°12	F 4
S 5	13 20 32	21°56'38	20°29	7°15	19°26	15°20	20° 3	8°12	25°44	3°19	29°14	20°D23	19°24	28°39	22°15	S 5
S 6	13 24 28	22°54'59	3♌29	9° 3	20°40	16° 2	20°16	8°15	25°47	3°19	29°15	20°24	19°21	28°46	22°17	S 6
M 7	13 28 25	23°53'19	16°53	10°48	21°54	16°43	20°30	8°19	25°51	3°20	29°16	20°R24	19°18	28°53	22°20	M 7
T 8	13 32 21	24°51'36	0♍45	12°29	23° 8	17°25	20°43	8°23	25°54	3°21	29°16	20°24	19°15	28°59	22°22	T 8
W 9	13 36 18	25°49'51	15° 5	14° 7	24°22	18° 7	20°56	8°27	25°58	3°21	29°17	20°22	19°12	29° 6	22°25	W 9
T 10	13 40 15	26°48'03	29°52	15°40	25°36	18°48	21° 9	8°31	26° 1	3°22	29°18	20°17	19° 8	29°13	22°27	T 10
F 11	13 44 11	27°46'14	14♎59	17°10	26°50	19°30	21°22	8°35	26° 5	3°23	29°19	20°10	19° 5	29°19	22°29	F 11
S 12	13 48 8	28°44'24	0♏18	18°36	28° 4	20°11	21°35	8°39	26° 8	3°23	29°19	20° 1	19° 2	29°26	22°32	S 12
S 13	13 52 4	29°42'31	15°37	19°57	29°18	20°53	21°48	8°43	26°11	3°24	29°20	19°51	18°59	29°33	22°34	S 13
M14	13 56 1	0♑40'37	0♐45	21°14	0♑32	21°34	22° 1	8°48	26°15	3°24	29°21	19°41	18°56	29°40	22°36	M14
T 15	13 59 57	1°38'41	15°33	22°27	1°46	22°15	22°14	8°52	26°18	3°25	29°22	19°33	18°52	29°46	22°38	T 15
W16	14 3 54	2°36'44	29°54	23°35	3° 0	22°57	22°26	8°56	26°22	3°25	29°23	19°27	18°49	29°53	22°40	W16
T 17	14 7 50	3°34'45	13♑45	24°38	4°14	23°38	22°39	9° 1	26°25	3°26	29°24	19°23	18°46	29°59	22°42	T 17
F 18	14 11 47	4°32'45	27° 8	25°37	5°28	24°19	22°52	9° 6	26°29	3°26	29°25	19°22	18°43	0♉ 6	22°44	F 18
S 19	14 15 44	5°30'44	10♒ 4	26°32	6°41	25° 0	23° 4	9°10	26°32	3°26	29°26	19°D22	18°40	0°13	22°46	S 19
S 20	14 19 40	6°28'41	22°39	27°22	7°55	25°42	23°17	9°15	26°36	3°27	29°27	19°R22	18°37	0°20	22°48	S 20
M21	14 23 37	7°26'37	4♓57	28° 6	9° 9	26°23	23°29	9°20	26°39	3°27	29°28	19°21	18°33	0°27	22°50	M21
T 22	14 27 33	8°24'32	17° 2	28°46	10°23	27° 4	23°41	9°25	26°42	3°27	29°29	19°18	18°30	0°33	22°51	T 22
W23	14 31 30	9°22'25	29° 0	29°22	11°37	27°45	23°53	9°30	26°46	3°27	29°30	19°13	18°27	0°40	22°53	W23
T 24	14 35 26	10°20'17	10♈52	29°52	12°51	28°26	24° 6	9°35	26°49	3°28	29°31	19° 5	18°24	0°47	22°55	T 24
F 25	14 39 23	11°18'07	22°43	0♊17	14° 5	29° 7	24°18	9°41	26°53	3°28	29°32	18°54	18°21	0°53	22°56	F 25
S 26	14 43 19	12°15'56	4♉34	0°37	15°19	29°48	24°30	9°46	26°56	3°28	29°33	18°41	18°18	1° 0	22°58	S 26
S 27	14 47 16	13°13'44	16°27	0°53	16°32	0♊28	24°42	9°51	26°59	3°28	29°34	18°27	18°14	1° 7	22°59	S 27
M28	14 51 12	14°11'30	28°24	1° 3	17°46	1° 9	24°53	9°57	27° 3	3°28	29°35	18°13	18°11	1°14	23° 1	M28
T 29	14 55 9	15° 9'14	10♊25	1° 9	19° 0	1°50	25° 5	10° 2	27° 6	3°R28	29°36	18° 0	18° 8	1°20	23° 2	T 29
W30	14 59 6	16♉ 6'58	22♊32	1°R 9	20♉14	2♊31	25♓17	10♋ 8	27♈ 9	3♒28	29♊37	17♌50	18♌ 5	1♉27	23♒ 3	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 7	15n37	4s59	12n14	0n56	4n36	1s14	15n58	0n19	5s19	1s 5	23n12	0s 6	9n26	0s31	19s28	0n 3	20n51	2s41	14n40	15n 0	6n24	8s38	5n53
W 2	7 29	17 51	4 41	13 6	1 7	5 6	1 13	16 11	0 19	5 14	1 6	23 12	0 6	9 27	0 31	19 28	0 3	20 52	2 41	14 42	15 1	6 26	8 37	5 54
T 3	7 51	19 18	4 10	13 56	1 17	5 36	1 11	16 24	0 20	5 8	1 6	23 12	0 6	9 28	0 31	19 28	0 3	20 52	2 41	14 44	15 2	6 28	8 36	5 54
F 4	8 13	19 52	3 27	14 45	1 27	6 5	1 10	16 37	0 20	5 3	1 6	23 12	0 5	9 30	0 31	19 28	0 3	20 52	2 41	14 45	15 3	6 30	8 35	5 54
S 5	8 35	19 28	2 33	15 31	1 37	6 35	1 8	16 50	0 21	4 58	1 6	23 12	0 5	9 31	0 31	19 28	0 3	20 52	2 41	14 45	15 4	6 33	8 34	5 54
S 6	8 57	18 1	1 29	16 15	1 46	7 4	1 7	17 3	0 22	4 53	1 6	23 12	0 5	9 32	0 31	19 27	0 3	20 52	2 40	14 45	15 5	6 35	8 33	5 55
M 7	9 19	15 33	0 19	16 57	1 55	7 33	1 5	17 16	0 22	4 48	1 6	23 12	0 5	9 33	0 31	19 27	0 3	20 52	2 40	14 45	15 6	6 37	8 32	5 55
T 8	9 40	12 7	0n55	17 36	2 3	8 2	1 4	17 28	0 23	4 43	1 6	23 12	0 5	9 35	0 31	19 27	0 3	20 52	2 40	14 45	15 7	6 39	8 31	5 55
W 9	10 1	7 51	2 7	18 13	2 10	8 31	1 2	17 40	0 23	4 38	1 6	23 11	0 5	9 36	0 31	19 27	0 3	20 52	2 40	14 46	15 8	6 41	8 30	5 56
T 10	10 23	3 1	3 14	18 47	2 17	9 0	1 1	17 52	0 24	4 33	1 7	23 11	0 5	9 37	0 30	19 27	0 3	20 53	2 40	14 47	15 9	6 43	8 29	5 56
F 11	10 44	2s 7	4 8	19 19	2 23	9 28	0 59	18 4	0 24	4 28	1 7	23 11	0 5	9 38	0 30	19 27	0 3	20 53	2 40	14 50	15 10	6 45	8 28	5 56
S 12	11 4	7 11	4 45	19 48	2 28	9 57	0 57	18 16	0 25	4 22	1 7	23 11	0 5	9 40	0 30	19 27	0 3	20 53	2 40	14 52	15 11	6 47	8 27	5 56
S 13	11 25	11 47	5 1	20 15	2 32	10 25	0 55	18 28	0 26	4 18	1 7	23 11	0 5	9 41	0 30	19 26	0 2	20 53	2 40	14 56	15 12	6 49	8 26	5 57
M14	11 46	15 33	4 57	20 39	2 35	10 52	0 53	18 39	0 26	4 13	1 7	23 11	0 4	9 42	0 30	19 26	0 2	20 53	2 40	14 59	15 13	6 51	8 25	5 57
T 15	12 6	18 15	4 32	21 0	2 38	11 20	0 52	18 51	0 27	4 8	1 7	23 10	0 4	9 43	0 30	19 26	0 2	20 53	2 39	15 1	15 14	6 53	8 24	5 57
W16	12 26	19 42	3 51	21 19	2 39	11 47	0 50	19 2	0 27	4 3	1 7	23 10	0 4	9 45	0 30	19 26	0 2	20 53	2 39	15 3	15 15	6 55	8 23	5 58
T 17	12 46	19 54	2 57	21 36	2 40	12 14	0 48	19 13	0 28	3 58	1 8	23 10	0 4	9 46	0 30	19 26	0 2	20 53	2 39	15 4	15 16	6 57	8 22	5 58
F 18	13 6	18 57	1 55	21 50	2 39	12 41	0 46	19 23	0 28	3 53	1 8	23 10	0 4	9 47	0 30	19 26	0 2	20 53	2 39	15 5	15 17	6 59	8 21	5 58
S 19	13 25	17 1	0 49	22 1	2 38	13 7	0 44	19 34	0 29	3 48	1 8	23 10	0 4	9 48	0 30	19 26	0 2	20 54	2 39	15 5	15 18	7 1	8 20	5 59
S 20	13 44	14 18	0s17	22 10	2 35	13 33	0 42	19 44	0 29	3 43	1 8	23 9	0 4	9 50	0 30	19 26	0 2	20 54	2 39	15 5	15 19	7 4	8 19	5 59
M21	14 3	11 0	1 22	22 17	2 32	13 59	0 40	19 55	0 30	3 39	1 8	23 9	0 4	9 51	0 30	19 26	0 2	20 54	2 39	15 5	15 20	7 6	8 18	5 59
T 22	14 22	7 18	2 21	22 22	2 27	14 24	0 37	20 5	0 30	3 34	1 8	23 9	0 4	9 52	0 30	19 26	0 2	20 54	2 39	15 6	15 21	7 8	8 17	6 0
W23	14 41	3 21	3 13	22 24	2 22	14 50	0 35	20 15	0 31	3 29	1 9	23 9	0 4	9 53	0 30	19 26	0 2	20 54	2 39	15 8	15 22	7 10	8 16	6 0
T 24	14 59	0n42	3 57	22 24	2 15	15 14	0 33	20 24	0 31	3 24	1 9	23 8	0 3	9 55	0 30	19 26	0 2	20 54	2 38	15 10	15 23	7 12	8 16	6 0
F 25	15 17	4 42	4 30	22 22	2 7	15 39	0 31	20 34	0 32	3 20	1 9	23 8	0 3	9 56	0 30	19 26	0 2	20 54	2 38	15 14	15 24	7 14	8 15	6 1
S 26	15 35	8 32	4 51	22 18	1 58	16 2	0 29	20 43	0 33	3 15	1 9	23 8	0 3	9 57	0 30	19 26	0 2	20 54	2 38	15 18	15 25	7 16	8 14	6 1
S 27	15 53	12 3	4 59	22 11	1 48	16 26	0 26	20 53	0 33	3 11	1 9	23 7	0 3	9 58	0 30	19 26	0 2	20 54	2 38	15 22	15 26	7 18	8 13	6 1
M28	16 10	15 6	4 55	22 3	1 37	16 49	0 24	21 2	0 34	3 6	1 9	23 7	0 3	9 59	0 30	19 26	0 2	20 55	2 38	15 26	15 27	7 20	8 12	6 2
T 29	16 27	17 32	4 37	21 52	1 25	17 12	0 22	21 10	0 34	3 2	1 10	23 7	0 3	10 1	0 30	19 26	0 2	20 55	2 38	15 30	15 28	7 22	8 12	6 2
W30	16n44	19n13	4s 7	21n40	1n12	17n34	0s20	21n19	0n35	2s57	1s10	23n 6	0s 3	10n 2	0s30	19s26	0n 2	20n55	2s38	15n33	15n29	7n24	8s11	6n 2

Julian Day Number = 2152143.5, Delta T = 14m05s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'37, Lahiri = 12°25'38 Julian Calendar 1 Apr. 1180 == Greg. Calendar 8 Apr. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

MAY 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 2	17♉ 4'39	4♋48	1°R 5	21♉28	3♊12	25♓28	10♋13	27♈13	3°R28	29♊39	17°R42	18♌ 2	1♉34	23♒ 4	T 1
F 2	15 6 59	18° 2'20	17°14	0♊57	22°41	3°52	25°40	10°19	27°16	3♒28	29°40	17♌37	17°58	1°40	23° 6	F 2
S 3	15 10 55	18°59'58	29°55	0°44	23°55	4°33	25°51	10°25	27°19	3°28	29°41	17°35	17°55	1°47	23° 7	S 3
S 4	15 14 52	19°57'35	12♌53	0°27	25° 9	5°13	26° 2	10°31	27°22	3°28	29°42	17°34	17°52	1°54	23° 8	S 4
M 5	15 18 48	20°55'11	26°12	0° 6	26°23	5°54	26°14	10°37	27°26	3°27	29°43	17°34	17°49	2° 1	23° 9	M 5
T 6	15 22 45	21°52'45	9♍55	29♉42	27°37	6°35	26°25	10°43	27°29	3°27	29°45	17°33	17°46	2° 7	23°10	T 6
W 7	15 26 41	22°50'17	24° 4	29°15	28°50	7°15	26°36	10°49	27°32	3°27	29°46	17°31	17°43	2°14	23°10	W 7
T 8	15 30 38	23°47'48	8♎38	28°46	0♊ 4	7°55	26°47	10°55	27°35	3°27	29°47	17°26	17°39	2°21	23°11	T 8
F 9	15 34 35	24°45'18	23°34	28°15	1°18	8°36	26°57	11° 1	27°38	3°26	29°48	17°19	17°36	2°28	23°12	F 9
S 10	15 38 31	25°42'46	8♏44	27°42	2°31	9°16	27° 8	11° 7	27°42	3°26	29°50	17° 9	17°33	2°34	23°13	S 10
S 11	15 42 28	26°40'13	23°58	27° 9	3°45	9°57	27°19	11°13	27°45	3°26	29°51	16°59	17°30	2°41	23°13	S 11
M12	15 46 24	27°37'39	9♐ 6	26°35	4°59	10°37	27°29	11°20	27°48	3°25	29°52	16°48	17°27	2°48	23°14	M12
T 13	15 50 21	28°35'05	23°57	26° 1	6°12	11°17	27°39	11°26	27°51	3°25	29°53	16°39	17°23	2°54	23°14	T 13
W14	15 54 17	29°32'29	8♑23	25°29	7°26	11°57	27°50	11°32	27°54	3°24	29°55	16°32	17°20	3° 1	23°15	W14
T 15	15 58 14	0♊29'53	22°21	24°58	8°40	12°37	28° 0	11°39	27°57	3°24	29°56	16°28	17°17	3° 8	23°15	T 15
F 16	16 2 10	1°27'15	5♒50	24°29	9°53	13°18	28°10	11°45	28° 0	3°23	29°58	16°26	17°14	3°15	23°15	F 16
S 17	16 6 7	2°24'37	18°51	24° 2	11° 7	13°58	28°20	11°52	28° 3	3°23	29°59	16°D26	17°11	3°21	23°16	S 17
S 18	16 10 4	3°21'59	1♓28	23°38	12°21	14°38	28°30	11°59	28° 6	3°22	0♋ 0	16°R26	17° 8	3°28	23°16	S 18
M19	16 14 0	4°19'20	13°47	23°18	13°34	15°18	28°39	12° 5	28° 9	3°22	0° 2	16°26	17° 4	3°35	23°16	M19
T 20	16 17 57	5°16'40	25°52	23° 1	14°48	15°58	28°49	12°12	28°12	3°21	0° 3	16°24	17° 1	3°41	23°16	T 20
W21	16 21 53	6°14'00	7♈48	22°48	16° 1	16°38	28°59	12°19	28°15	3°20	0° 4	16°20	16°58	3°48	23°R16	W21
T 22	16 25 50	7°11'19	19°39	22°40	17°15	17°18	29° 8	12°26	28°18	3°19	0° 6	16°13	16°55	3°55	23°16	T 22
F 23	16 29 46	8° 8'38	1♉30	22°35	18°29	17°58	29°17	12°32	28°21	3°19	0° 7	16° 4	16°52	4° 2	23°16	F 23
S 24	16 33 43	9° 5'56	13°22	22°D35	19°42	18°38	29°26	12°39	28°23	3°18	0° 9	15°53	16°49	4° 8	23°16	S 24
S 25	16 37 39	10° 3'13	25°19	22°40	20°56	19°18	29°35	12°46	28°26	3°17	0°10	15°41	16°45	4°15	23°16	S 25
M26	16 41 36	11° 0'30	7♊23	22°49	22° 9	19°57	29°44	12°53	28°29	3°16	0°12	15°29	16°42	4°22	23°15	M26
T 27	16 45 33	11°57'47	19°34	23° 2	23°23	20°37	29°53	13° 0	28°32	3°16	0°13	15°18	16°39	4°28	23°15	T 27
W28	16 49 29	12°55'03	1♋53	23°20	24°37	21°17	0♈ 1	13° 7	28°34	3°15	0°14	15° 9	16°36	4°35	23°14	W28
T 29	16 53 26	13°52'18	14°21	23°43	25°50	21°57	0°10	13°14	28°37	3°14	0°16	15° 3	16°33	4°42	23°14	T 29
F 30	16 57 22	14°49'33	27° 0	24°10	27° 4	22°36	0°18	13°22	28°40	3°13	0°17	14°59	16°29	4°49	23°13	F 30
S 31	17 1 19	15♊46'47	9♌51	24♉42	28♊17	23♊16	0♈26	13♋29	28♈42	3♒12	0♋19	14°D58	16♌26	4♉55	23♒13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 0	20n 2	3s25	21n25	0n59	17n56	0s17	21n28	0n35	2s53	1s10	23n 6	0s 3	10n 3	0s30	19s26	0n 2	20n55	2s38	15n36	15n30	7n26	8s10	6n 3
F 2	17 17	19 54	2 33	21 9	0 44	18 17	0 15	21 36	0 36	2 48	1 10	23 6	0 3	10 4	0 30	19 26	0 2	20 55	2 38	15 37	15 31	7 28	8 10	6 3
S 3	17 33	18 46	1 32	20 52	0 29	18 38	0 13	21 44	0 36	2 44	1 10	23 5	0 3	10 5	0 30	19 26	0 2	20 55	2 38	15 38	15 32	7 30	8 9	6 3
S 4	17 48	16 37	0 25	20 32	0 13	18 58	0 10	21 52	0 36	2 40	1 10	23 5	0 2	10 7	0 30	19 26	0 2	20 55	2 37	15 38	15 33	7 32	8 8	6 4
M 5	18 4	13 33	0n45	20 12	0s 4	19 18	0 8	21 59	0 37	2 35	1 11	23 5	0 2	10 8	0 30	19 26	0 2	20 55	2 37	15 38	15 34	7 34	8 8	6 4
T 6	18 19	9 40	1 55	19 50	0 21	19 37	0 5	22 7	0 37	2 31	1 11	23 4	0 2	10 9	0 30	19 26	0 2	20 55	2 37	15 38	15 35	7 37	8 7	6 4
W 7	18 34	5 7	3 0	19 27	0 38	19 56	0 3	22 14	0 38	2 27	1 11	23 4	0 2	10 10	0 30	19 26	0 2	20 55	2 37	15 39	15 36	7 39	8 6	6 5
T 8	18 48	0 10	3 55	19 4	0 56	20 15	0 1	22 21	0 38	2 23	1 11	23 4	0 2	10 11	0 30	19 26	0 2	20 56	2 37	15 41	15 36	7 41	8 6	6 5
F 9	19 2	4s55	4 36	18 40	1 13	20 32	0n 2	22 28	0 39	2 18	1 11	23 3	0 2	10 12	0 30	19 26	0 2	20 56	2 37	15 43	15 37	7 43	8 5	6 5
S 10	19 16	9 46	4 57	18 16	1 30	20 49	0 4	22 35	0 39	2 14	1 12	23 3	0 2	10 13	0 30	19 26	0 2	20 56	2 37	15 46	15 38	7 45	8 5	6 6
S 11	19 30	14 1	4 58	17 52	1 47	21 6	0 7	22 42	0 40	2 10	1 12	23 2	0 2	10 15	0 30	19 26	0 2	20 56	2 37	15 49	15 39	7 47	8 4	6 6
M12	19 43	17 19	4 39	17 28	2 4	21 22	0 9	22 48	0 40	2 6	1 12	23 2	0 2	10 16	0 30	19 26	0 2	20 56	2 37	15 52	15 40	7 49	8 4	6 6
T 13	19 56	19 25	4 0	17 5	2 19	21 38	0 11	22 54	0 41	2 2	1 12	23 1	0 2	10 17	0 30	19 27	0 2	20 56	2 37	15 55	15 41	7 51	8 3	6 7
W14	20 8	20 10	3 7	16 43	2 34	21 52	0 14	23 0	0 41	1 58	1 12	23 1	0 2	10 18	0 30	19 27	0 2	20 56	2 37	15 57	15 42	7 53	8 3	6 7
T 15	20 21	19 39	2 4	16 22	2 49	22 7	0 16	23 6	0 42	1 55	1 13	23 0	0 1	10 19	0 31	19 27	0 2	20 56	2 36	15 58	15 43	7 55	8 2	6 8
F 16	20 33	18 0	0 56	16 2	3 2	22 20	0 19	23 11	0 42	1 51	1 13	23 0	0 1	10 20	0 31	19 27	0 2	20 56	2 36	15 59	15 44	7 57	8 2	6 8
S 17	20 44	15 27	0s13	15 44	3 14	22 33	0 21	23 17	0 42	1 47	1 13	22 59	0 1	10 21	0 31	19 27	0 2	20 56	2 36	15 59	15 45	7 59	8 1	6 8
S 18	20 55	12 14	1 19	15 28	3 25	22 45	0 23	23 22	0 43	1 43	1 13	22 59	0 1	10 22	0 31	19 27	0 2	20 56	2 36	15 59	15 46	8 1	8 1	6 9
M19	21 6	8 33	2 20	15 13	3 34	22 57	0 26	23 27	0 43	1 40	1 14	22 58	0 1	10 23	0 31	19 27	0 2	20 56	2 36	15 59	15 47	8 3	8 1	6 9
T 20	21 16	4 36	3 13	15 1	3 43	23 8	0 28	23 32	0 44	1 36	1 14	22 58	0 1	10 24	0 31	19 27	0 2	20 57	2 36	15 59	15 48	8 5	8 0	6 9
W21	21 27	0 31	3 57	14 51	3 50	23 19	0 30	23 36	0 44	1 32	1 14	22 57	0 1	10 25	0 31	19 28	0 2	20 57	2 36	16 1	15 49	8 7	8 0	6 10
T 22	21 36	3n33	4 31	14 43	3 56	23 28	0 33	23 40	0 45	1 29	1 14	22 57	0 1	10 26	0 31	19 28	0 2	20 57	2 36	16 3	15 50	8 9	8 0	6 10
F 23	21 46	7 28	4 53	14 37	4 0	23 37	0 35	23 45	0 45	1 25	1 14	22 56	0 1	10 27	0 31	19 28	0 2	20 57	2 36	16 5	15 51	8 12	7 59	6 10
S 24	21 55	11 7	5 2	14 34	4 4	23 46	0 37	23 49	0 45	1 22	1 15	22 56	0 1	10 28	0 31	19 28	0 2	20 57	2 36	16 9	15 52	8 14	7 59	6 11
S 25	22 3	14 21	4 58	14 33	4 6	23 53	0 39	23 52	0 46	1 19	1 15	22 55	0 1	10 29	0 31	19 28	0 2	20 57	2 36	16 12	15 53	8 16	7 59	6 11
M26	22 11	17 1	4 41	14 34	4 7	24 0	0 42	23 56	0 46	1 15	1 15	22 55	0 0	10 30	0 31	19 29	0 2	20 57	2 36	16 16	15 54	8 18	7 59	6 11
T 27	22 19	18 58	4 11	14 38	4 7	24 6	0 44	23 59	0 47	1 12	1 15	22 54	0 0	10 31	0 31	19 29	0 2	20 57	2 35	16 19	15 55	8 20	7 58	6 12
W28	22 27	20 3	3 28	14 43	4 6	24 12	0 46	24 2	0 47	1 9	1 16	22 53	0 0	10 32	0 31	19 29	0 2	20 57	2 35	16 22	15 56	8 22	7 58	6 12
T 29	22 34	20 11	2 36	14 51	4 4	24 17	0 48	24 5	0 47	1 6	1 16	22 53	0 0	10 33	0 31	19 29	0 2	20 57	2 35	16 24	15 57	8 24	7 58	6 12
F 30	22 41	19 18	1 34	15 1	4 0	24 21	0 50	24 8	0 48	1 3	1 16	22 52	0 0	10 34	0 31	19 29	0 2	20 57	2 35	16 25	15 58	8 26	7 58	6 13
S 31	22n47	17n25	0s27	15n12	3s56	24n24	0n52	24n10	0n48	1s 0	1s16	22n51	0n 0	10n35	0s31	19s30	0n 2	20n57	2s35	16n25	15n59	8n28	7s58	6n13

Julian Day Number = 2152173.5, Delta T = 14m05s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'41, Lahiri = 12°25'42 Julian Calendar 1 May 1180 == Greg. Calendar 8 May 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

JUNE 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 15	16♊44'00	22♌57	25♉18	29♊31	23♊56	0♈34	13♋36	28♈45	3°R11	0♋20	14♌58	16♌23	5♉ 2	23°R12	S 1
M 2	17 9 12	17°41'12	6♍19	25°58	0♋44	24°35	0°42	13°43	28°47	3♒10	0°22	14°58	16°20	5° 9	23♒12	M 2
T 3	17 13 9	18°38'24	20° 0	26°43	1°58	25°15	0°50	13°51	28°50	3° 9	0°23	14°R59	16°17	5°16	23°11	T 3
W 4	17 17 5	19°35'35	4♎ 1	27°31	3°11	25°55	0°58	13°58	28°52	3° 8	0°25	14°58	16°14	5°22	23°10	W 4
T 5	17 21 2	20°32'46	18°21	28°24	4°25	26°34	1° 5	14° 5	28°55	3° 7	0°26	14°55	16°10	5°29	23° 9	T 5
F 6	17 24 58	21°29'56	2♏59	29°21	5°38	27°14	1°13	14°13	28°57	3° 6	0°28	14°50	16° 7	5°36	23° 8	F 6
S 7	17 28 55	22°27'05	17°49	0♊22	6°52	27°53	1°20	14°20	29° 0	3° 5	0°29	14°43	16° 4	5°42	23° 7	S 7
S 8	17 32 51	23°24'14	2♐43	1°27	8° 5	28°32	1°27	14°27	29° 2	3° 3	0°31	14°36	16° 1	5°49	23° 6	S 8
M 9	17 36 48	24°21'23	17°35	2°36	9°19	29°12	1°34	14°35	29° 4	3° 2	0°32	14°28	15°58	5°56	23° 5	M 9
T 10	17 40 44	25°18'32	2♑14	3°49	10°32	29°51	1°40	14°42	29° 7	3° 1	0°34	14°22	15°55	6° 3	23° 4	T 10
W11	17 44 41	26°15'40	16°33	5° 6	11°46	0♋31	1°47	14°50	29° 9	3° 0	0°35	14°17	15°51	6° 9	23° 3	W11
T 12	17 48 38	27°12'49	0♒29	6°26	12°59	1°10	1°54	14°57	29°11	2°59	0°37	14°14	15°48	6°16	23° 1	T 12
F 13	17 52 34	28° 9'58	13°59	7°50	14°13	1°49	2° 0	15° 5	29°13	2°57	0°38	14°D14	15°45	6°23	23° 0	F 13
S 14	17 56 31	29° 7'07	27° 3	9°18	15°26	2°28	2° 6	15°12	29°15	2°56	0°40	14°14	15°42	6°29	22°59	S 14
S 15	18 0 27	0♋ 4'16	9♓44	10°49	16°40	3° 8	2°12	15°20	29°17	2°55	0°41	14°15	15°39	6°36	22°57	S 15
M16	18 4 24	1° 1'25	22° 5	12°24	17°53	3°47	2°18	15°28	29°19	2°54	0°43	14°17	15°35	6°43	22°56	M16
T 17	18 8 20	1°58'35	4♈13	14° 2	19° 6	4°26	2°23	15°35	29°21	2°52	0°44	14°R17	15°32	6°50	22°54	T 17
W18	18 12 17	2°55'45	16°10	15°44	20°20	5° 5	2°29	15°43	29°23	2°51	0°46	14°16	15°29	6°56	22°52	W18
T 19	18 16 13	3°52'55	28° 3	17°29	21°33	5°44	2°34	15°51	29°25	2°50	0°47	14°13	15°26	7° 3	22°51	T 19
F 20	18 20 10	4°50'06	9♉55	19°17	22°47	6°23	2°39	15°58	29°27	2°48	0°49	14° 9	15°23	7°10	22°49	F 20
S 21	18 24 7	5°47'17	21°51	21° 8	24° 0	7° 3	2°44	16° 6	29°29	2°47	0°50	14° 3	15°20	7°17	22°47	S 21
S 22	18 28 3	6°44'29	3♊53	23° 2	25°13	7°42	2°49	16°14	29°31	2°45	0°52	13°57	15°16	7°23	22°46	S 22
M23	18 32 0	7°41'41	16° 4	24°58	26°27	8°21	2°54	16°21	29°33	2°44	0°53	13°50	15°13	7°30	22°44	M23
T 24	18 35 56	8°38'54	28°26	26°58	27°40	9° 0	2°58	16°29	29°34	2°43	0°55	13°44	15°10	7°37	22°42	T 24
W25	18 39 53	9°36'07	10♋59	28°59	28°53	9°39	3° 2	16°37	29°36	2°41	0°56	13°40	15° 7	7°43	22°40	W25
T 26	18 43 49	10°33'20	23°45	1♌ 2	0♌ 7	10°18	3° 6	16°44	29°38	2°40	0°58	13°37	15° 4	7°50	22°38	T 26
F 27	18 47 46	11°30'34	6♌43	3° 6	1°20	10°57	3°10	16°52	29°39	2°38	1° 0	13°35	15° 1	7°57	22°36	F 27
S 28	18 51 42	12°27'48	19°54	5°12	2°33	11°36	3°14	17° 0	29°41	2°37	1° 1	13°D35	14°57	8° 4	22°34	S 28
S 29	18 55 39	13°25'02	3♍17	7°19	3°47	12°15	3°18	17° 8	29°42	2°35	1° 2	13°36	14°54	8°10	22°32	S 29
M30	18 59 36	14♋22'17	16♍53	9♋27	5♌ 0	12♋53	3♈21	17♋16	29♈44	2♒34	1♋ 4	13♌37	14♌51	8♉17	22♒29	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	14n36	0n43	15n26	3s51	24n27	0n54	24n13	0n49	0s57	1s17	22n51	0n 0	10n36	0s31	19s30	0n 2	20n57	2s35	16n25	16n 0	8n30	7s58	6n13
M 2	22 58	10 58	1 52	15 41	3 46	24 29	0 56	24 15	0 49	0 54	1 17	22 50	0 0	10 37	0 31	19 30	0 2	20 58	2 35	16 25	16 1	8 32	7 57	6 14
T 3	23 3	6 41	2 56	15 57	3 39	24 30	0 58	24 17	0 49	0 51	1 17	22 50	0 0	10 38	0 31	19 30	0 2	20 58	2 35	16 25	16 2	8 34	7 57	6 14
W 4	23 8	1 56	3 52	16 15	3 32	24 30	1 0	24 19	0 50	0 48	1 17	22 49	0 0	10 39	0 31	19 31	0 2	20 58	2 35	16 25	16 3	8 36	7 57	6 14
T 5	23 12	3s 0	4 34	16 35	3 24	24 30	1 2	24 20	0 50	0 45	1 18	22 48	0 0	10 39	0 31	19 31	0 2	20 58	2 35	16 26	16 3	8 38	7 57	6 15
F 6	23 16	7 52	5 0	16 55	3 15	24 29	1 4	24 21	0 51	0 42	1 18	22 47	0 1	10 40	0 31	19 31	0 2	20 58	2 35	16 27	16 4	8 40	7 57	6 15
S 7	23 20	12 19	5 6	17 17	3 6	24 27	1 6	24 22	0 51	0 40	1 18	22 47	0 1	10 41	0 31	19 31	0 2	20 58	2 35	16 29	16 5	8 42	7 57	6 15
S 8	23 23	16 2	4 51	17 40	2 56	24 25	1 7	24 23	0 51	0 37	1 18	22 46	0 1	10 42	0 31	19 32	0 2	20 58	2 35	16 31	16 6	8 44	7 57	6 16
M 9	23 25	18 42	4 17	18 4	2 46	24 22	1 9	24 24	0 52	0 35	1 19	22 45	0 1	10 43	0 31	19 32	0 2	20 58	2 35	16 34	16 7	8 46	7 57	6 16
T 10	23 28	20 5	3 26	18 28	2 35	24 18	1 11	24 25	0 52	0 32	1 19	22 45	0 1	10 44	0 31	19 32	0 2	20 58	2 35	16 36	16 8	8 48	7 58	6 16
W11	23 29	20 8	2 23	18 53	2 24	24 13	1 12	24 25	0 52	0 30	1 19	22 44	0 1	10 44	0 31	19 33	0 2	20 58	2 34	16 37	16 9	8 50	7 58	6 17
T 12	23 31	18 56	1 14	19 18	2 13	24 8	1 14	24 25	0 53	0 28	1 20	22 43	0 1	10 45	0 31	19 33	0 2	20 58	2 34	16 38	16 10	8 52	7 58	6 17
F 13	23 32	16 41	0 1	19 43	2 1	24 2	1 16	24 25	0 53	0 25	1 20	22 42	0 1	10 46	0 31	19 33	0 2	20 58	2 34	16 38	16 11	8 55	7 58	6 17
S 14	23 32	13 38	1s 9	20 9	1 49	23 55	1 17	24 25	0 53	0 23	1 20	22 42	0 1	10 47	0 31	19 33	0 2	20 58	2 34	16 38	16 12	8 57	7 58	6 17
S 15	23 33	10 1	2 14	20 34	1 37	23 48	1 18	24 24	0 54	0 21	1 20	22 41	0 1	10 47	0 31	19 34	0 2	20 58	2 34	16 37	16 13	8 59	7 58	6 18
M16	23 32	6 4	3 10	20 59	1 25	23 40	1 20	24 23	0 54	0 19	1 21	22 40	0 1	10 48	0 31	19 34	0 2	20 58	2 34	16 37	16 14	9 1	7 59	6 18
T 17	23 32	1 57	3 58	21 23	1 12	23 31	1 21	24 23	0 54	0 17	1 21	22 39	0 2	10 49	0 31	19 34	0 2	20 58	2 34	16 37	16 15	9 3	7 59	6 18
W18	23 31	2n11	4 34	21 47	1 0	23 21	1 22	24 21	0 55	0 15	1 21	22 38	0 2	10 49	0 31	19 35	0 2	20 58	2 34	16 37	16 16	9 5	7 59	6 19
T 19	23 29	6 11	4 58	22 10	0 47	23 11	1 24	24 20	0 55	0 13	1 21	22 38	0 2	10 50	0 31	19 35	0 2	20 58	2 34	16 38	16 17	9 7	7 59	6 19
F 20	23 27	9 58	5 9	22 32	0 35	23 0	1 25	24 19	0 55	0 11	1 22	22 37	0 2	10 51	0 31	19 35	0 2	20 59	2 34	16 39	16 18	9 9	8 0	6 19
S 21	23 25	13 22	5 7	22 52	0 23	22 49	1 26	24 17	0 56	0 10	1 22	22 36	0 2	10 51	0 31	19 36	0 2	20 59	2 34	16 41	16 19	9 11	8 0	6 19
S 22	23 22	16 15	4 51	23 11	0 10	22 36	1 27	24 15	0 56	0 8	1 22	22 35	0 2	10 52	0 31	19 36	0 2	20 59	2 34	16 43	16 20	9 13	8 0	6 20
M23	23 19	18 27	4 23	23 28	0n 1	22 23	1 28	24 13	0 56	0 6	1 23	22 34	0 2	10 53	0 31	19 36	0 2	20 59	2 34	16 45	16 20	9 15	8 0	6 20
T 24	23 16	19 51	3 41	23 43	0 13	22 10	1 29	24 11	0 57	0 5	1 23	22 33	0 2	10 53	0 31	19 37	0 2	20 59	2 34	16 46	16 21	9 17	8 1	6 20
W25	23 12	20 17	2 48	23 56	0 24	21 56	1 29	24 8	0 57	0 3	1 23	22 33	0 2	10 54	0 31	19 37	0 2	20 59	2 34	16 48	16 22	9 19	8 1	6 20
T 26	23 7	19 42	1 46	24 6	0 34	21 41	1 30	24 6	0 57	0 2	1 24	22 32	0 2	10 54	0 31	19 37	0 2	20 59	2 34	16 49	16 23	9 21	8 2	6 21
F 27	23 3	18 4	0 37	24 14	0 44	21 26	1 31	24 3	0 58	0 1	1 24	22 31	0 2	10 55	0 31	19 38	0 2	20 59	2 34	16 49	16 24	9 23	8 2	6 21
S 28	22 57	15 27	0n34	24 20	0 53	21 10	1 31	24 0	0 58	0n 0	1 24	22 30	0 2	10 55	0 31	19 38	0 2	20 59	2 34	16 49	16 25	9 25	8 3	6 21
S 29	22 52	11 59	1 46	24 22	1 2	20 53	1 32	23 57	0 58	0 2	1 24	22 29	0 3	10 56	0 31	19 38	0 2	20 59	2 34	16 49	16 26	9 27	8 3	6 21
M30	22n46	7n51	2n52	24n22	1n10	20n36	1n33	23n53	0n59	0n 3	1s25	22n28	0n 3	10n56	0s31	19s39	0n 2	20n59	2s33	16n48	16n27	9n29	8s 3	6n22

Julian Day Number = 2152204.5, Delta T = 14m04s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'46, Lahiri = 12°25'46 Julian Calendar 1 June 1180 == Greg. Calendar 8 June 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

JULY 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 32	15♋19'31	0♎42	11♋35	6♌13	13♋32	3♈24	17♋23	29♈45	2°R32	1♋ 5	13♌39	14♌48	8♉24	22°R27	T 1
W 2	19 7 29	16°16'46	14°43	13°43	7°27	14°11	3°27	17°31	29°46	2♒30	1° 7	13°R39	14°45	8°30	22♒25	W 2
T 3	19 11 25	17°14'02	28°55	15°50	8°40	14°50	3°30	17°39	29°48	2°29	1° 8	13°39	14°41	8°37	22°23	T 3
F 4	19 15 22	18°11'17	13♏17	17°58	9°53	15°29	3°33	17°47	29°49	2°27	1°10	13°37	14°38	8°44	22°20	F 4
S 5	19 19 18	19° 8'33	27°45	20° 4	11° 6	16° 8	3°35	17°54	29°50	2°26	1°11	13°35	14°35	8°51	22°18	S 5
S 6	19 23 15	20° 5'50	12♐14	22°10	12°19	16°46	3°37	18° 2	29°51	2°24	1°13	13°32	14°32	8°57	22°16	S 6
M 7	19 27 11	21° 3'07	26°39	24°15	13°33	17°25	3°39	18°10	29°52	2°23	1°14	13°29	14°29	9° 4	22°13	M 7
T 8	19 31 8	22° 0'25	10♑54	26°18	14°46	18° 4	3°41	18°18	29°54	2°21	1°16	13°26	14°26	9°11	22°11	T 8
W 9	19 35 5	22°57'43	24°55	28°21	15°59	18°42	3°43	18°25	29°55	2°19	1°17	13°24	14°22	9°18	22° 8	W 9
T 10	19 39 1	23°55'02	8♒37	0♌22	17°12	19°21	3°44	18°33	29°56	2°18	1°19	13°D23	14°19	9°24	22° 6	T 10
F 11	19 42 58	24°52'22	21°59	2°21	18°25	20° 0	3°46	18°41	29°56	2°16	1°20	13°24	14°16	9°31	22° 3	F 11
S 12	19 46 54	25°49'44	4♓59	4°19	19°38	20°38	3°47	18°49	29°57	2°15	1°21	13°24	14°13	9°38	22° 0	S 12
S 13	19 50 51	26°47'06	17°40	6°16	20°51	21°17	3°48	18°56	29°58	2°13	1°23	13°26	14°10	9°44	21°58	S 13
M14	19 54 47	27°44'29	0♈ 3	8°11	22° 5	21°56	3°48	19° 4	29°59	2°11	1°24	13°27	14° 7	9°51	21°55	M14
T 15	19 58 44	28°41'53	12°12	10° 4	23°18	22°34	3°49	19°12	29°59	2°10	1°26	13°28	14° 3	9°58	21°52	T 15
W16	20 2 40	29°39'19	24°12	11°56	24°31	23°13	3°49	19°20	0♉ 0	2° 8	1°27	13°29	14° 0	10° 5	21°50	W16
T 17	20 6 37	0♌36'46	6♉ 6	13°46	25°44	23°51	3°R49	19°27	0° 1	2° 6	1°28	13°R29	13°57	10°11	21°47	T 17
F 18	20 10 34	1°34'14	17°59	15°35	26°57	24°30	3°49	19°35	0° 2	2° 5	1°30	13°28	13°54	10°18	21°44	F 18
S 19	20 14 30	2°31'44	29°57	17°22	28°10	25° 8	3°49	19°43	0° 2	2° 3	1°31	13°27	13°51	10°25	21°41	S 19
S 20	20 18 27	3°29'15	12♊ 2	19° 7	29°23	25°47	3°48	19°50	0° 3	2° 2	1°32	13°26	13°47	10°32	21°39	S 20
M21	20 22 23	4°26'48	24°19	20°51	0♍36	26°25	3°48	19°58	0° 3	2° 0	1°34	13°25	13°44	10°38	21°36	M21
T 22	20 26 20	5°24'22	6♋50	22°34	1°49	27° 4	3°47	20° 5	0° 4	1°58	1°35	13°24	13°41	10°45	21°33	T 22
W23	20 30 16	6°21'57	19°37	24°14	3° 2	27°42	3°46	20°13	0° 4	1°57	1°36	13°23	13°38	10°52	21°30	W23
T 24	20 34 13	7°19'33	2♌40	25°54	4°15	28°21	3°44	20°21	0° 4	1°55	1°37	13°22	13°35	10°58	21°27	T 24
F 25	20 38 9	8°17'11	16° 1	27°32	5°27	28°59	3°43	20°28	0° 4	1°53	1°39	13°D22	13°32	11° 5	21°24	F 25
S 26	20 42 6	9°14'50	29°36	29° 8	6°40	29°37	3°41	20°36	0° 5	1°52	1°40	13°22	13°28	11°12	21°21	S 26
S 27	20 46 3	10°12'30	13♍25	0♍43	7°53	0♌16	3°39	20°43	0° 5	1°50	1°41	13°23	13°25	11°19	21°18	S 27
M28	20 49 59	11°10'11	27°24	2°16	9° 6	0°54	3°37	20°51	0° 5	1°49	1°42	13°23	13°22	11°25	21°15	M28
T 29	20 53 56	12° 7'53	11♎31	3°48	10°19	1°32	3°35	20°58	0°R 5	1°47	1°44	13°23	13°19	11°32	21°12	T 29
W30	20 57 52	13° 5'37	25°44	5°18	11°32	2°11	3°33	21° 5	0° 5	1°45	1°45	13°R23	13°16	11°39	21° 9	W30
T 31	21 1 49	14♌ 3'21	9♏58	6♍47	12♍44	2♌49	3♈30	21♋13	0♉ 5	1♒44	1♋46	13°D23	13♌13	11♉45	21♒ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n40	3n14	3n50	24n19	1n17	20n18	1n33	23n50	0n59	0n 4	1s25	22n27	0n 3	10n57	0s31	19s39	0n 2	20n59	2s33	16n48	16n28	9n31	8s 4	6n22
W 2	22 33	1s36	4 35	24 13	1 23	20 0	1 33	23 46	0 59	0 5	1 25	22 26	0 3	10 57	0 31	19 40	0 2	20 59	2 33	16 48	16 29	9 33	8 4	6 22
T 3	22 26	6 25	5 3	24 4	1 29	19 41	1 34	23 42	1 0	0 5	1 26	22 25	0 3	10 58	0 31	19 40	0 2	20 59	2 33	16 48	16 30	9 35	8 5	6 22
F 4	22 18	10 54	5 14	23 53	1 34	19 21	1 34	23 38	1 0	0 6	1 26	22 24	0 3	10 58	0 31	19 40	0 2	20 59	2 33	16 48	16 31	9 37	8 6	6 22
S 5	22 10	14 48	5 4	23 39	1 38	19 1	1 34	23 34	1 0	0 7	1 26	22 23	0 3	10 59	0 31	19 41	0 2	20 59	2 33	16 49	16 32	9 39	8 6	6 23
S 6	22 2	17 48	4 35	23 23	1 42	18 41	1 34	23 29	1 0	0 7	1 26	22 23	0 3	10 59	0 31	19 41	0 2	20 59	2 33	16 50	16 33	9 41	8 7	6 23
M 7	21 53	19 41	3 49	23 4	1 44	18 20	1 34	23 24	1 1	0 8	1 27	22 22	0 3	10 59	0 31	19 41	0 2	20 59	2 33	16 51	16 34	9 43	8 7	6 23
T 8	21 44	20 17	2 49	22 43	1 46	17 58	1 34	23 20	1 1	0 8	1 27	22 21	0 3	11 0	0 31	19 42	0 2	20 59	2 33	16 52	16 34	9 45	8 8	6 23
W 9	21 35	19 36	1 40	22 20	1 47	17 36	1 34	23 15	1 1	0 9	1 27	22 20	0 3	11 0	0 31	19 42	0 2	20 59	2 33	16 52	16 35	9 47	8 9	6 23
T 10	21 25	17 46	0 26	21 55	1 48	17 14	1 34	23 9	1 1	0 9	1 28	22 19	0 4	11 0	0 31	19 43	0 2	20 59	2 33	16 52	16 36	9 49	8 9	6 24
F 11	21 15	14 59	0s47	21 28	1 48	16 51	1 33	23 4	1 2	0 9	1 28	22 18	0 4	11 1	0 31	19 43	0 2	20 59	2 33	16 52	16 37	9 52	8 10	6 24
S 12	21 4	11 32	1 56	21 0	1 47	16 28	1 33	22 58	1 2	0 10	1 28	22 17	0 4	11 1	0 31	19 43	0 2	20 59	2 33	16 52	16 38	9 54	8 11	6 24
S 13	20 53	7 37	2 58	20 30	1 46	16 4	1 32	22 53	1 2	0 10	1 29	22 16	0 4	11 1	0 31	19 44	0 1	20 59	2 33	16 52	16 39	9 56	8 11	6 24
M14	20 42	3 30	3 50	19 58	1 44	15 40	1 32	22 47	1 3	0 10	1 29	22 15	0 4	11 2	0 31	19 44	0 1	20 59	2 33	16 51	16 40	9 58	8 12	6 24
T 15	20 31	0n42	4 30	19 25	1 41	15 15	1 31	22 41	1 3	0 10	1 29	22 14	0 4	11 2	0 31	19 44	0 1	20 59	2 33	16 51	16 41	10 0	8 13	6 24
W16	20 19	4 48	4 58	18 51	1 38	14 50	1 31	22 34	1 3	0 9	1 29	22 13	0 4	11 2	0 31	19 45	0 1	20 59	2 33	16 51	16 42	10 2	8 13	6 24
T 17	20 6	8 41	5 14	18 17	1 35	14 25	1 30	22 28	1 3	0 9	1 30	22 12	0 4	11 2	0 31	19 45	0 1	20 59	2 33	16 51	16 43	10 4	8 14	6 24
F 18	19 54	12 13	5 15	17 41	1 31	13 59	1 29	22 21	1 4	0 9	1 30	22 11	0 4	11 2	0 31	19 46	0 1	20 59	2 33	16 51	16 44	10 6	8 15	6 25
S 19	19 41	15 17	5 3	17 4	1 26	13 33	1 28	22 15	1 4	0 8	1 30	22 10	0 4	11 3	0 32	19 46	0 1	20 59	2 33	16 51	16 45	10 8	8 16	6 25
S 20	19 28	17 45	4 38	16 26	1 21	13 6	1 27	22 8	1 4	0 8	1 31	22 9	0 4	11 3	0 32	19 46	0 1	20 59	2 33	16 52	16 46	10 10	8 17	6 25
M21	19 14	19 26	3 59	15 48	1 16	12 39	1 26	22 1	1 4	0 7	1 31	22 8	0 5	11 3	0 32	19 47	0 1	20 59	2 33	16 52	16 46	10 12	8 17	6 25
T 22	19 0	20 13	3 9	15 10	1 10	12 12	1 25	21 54	1 5	0 7	1 31	22 7	0 5	11 3	0 32	19 47	0 1	20 59	2 33	16 52	16 47	10 14	8 18	6 25
W23	18 46	20 0	2 8	14 31	1 4	11 45	1 24	21 46	1 5	0 6	1 32	22 6	0 5	11 3	0 32	19 47	0 1	20 59	2 33	16 53	16 48	10 16	8 19	6 25
T 24	18 31	18 41	0 59	13 51	0 58	11 17	1 23	21 39	1 5	0 5	1 32	22 4	0 5	11 3	0 32	19 48	0 1	20 59	2 33	16 53	16 49	10 18	8 20	6 25
F 25	18 16	16 20	0n15	13 11	0 51	10 49	1 22	21 31	1 5	0 4	1 32	22 3	0 5	11 3	0 32	19 48	0 1	20 59	2 33	16 53	16 50	10 20	8 21	6 25
S 26	18 1	13 3	1 29	12 31	0 45	10 20	1 20	21 23	1 6	0 4	1 32	22 2	0 5	11 3	0 32	19 49	0 1	20 59	2 33	16 53	16 51	10 22	8 22	6 25
S 27	17 46	9 0	2 39	11 51	0 37	9 52	1 19	21 15	1 6	0 3	1 33	22 1	0 5	11 3	0 32	19 49	0 1	20 59	2 33	16 53	16 52	10 24	8 22	6 25
M28	17 30	4 24	3 41	11 11	0 30	9 23	1 17	21 7	1 6	0 1	1 33	22 0	0 5	11 3	0 32	19 49	0 1	20 59	2 33	16 53	16 53	10 26	8 23	6 25
T 29	17 14	0s27	4 29	10 30	0 22	8 54	1 16	20 59	1 6	0 0	1 33	21 59	0 5	11 3	0 32	19 50	0 1	20 59	2 33	16 53	16 54	10 28	8 24	6 25
W30	16 58	5 18	5 2	9 50	0 14	8 25	1 14	20 50	1 6	0s 1	1 34	21 58	0 5	11 3	0 32	19 50	0 1	20 59	2 33	16 53	16 55	10 30	8 25	6 25
T 31	16n41	9s52	5n16	9n 9	0n 6	7n55	1n12	20n42	1n 7	0s 2	1s34	21n57	0n 5	11n 3	0s32	19s50	0n 1	20n59	2s33	16n53	16n56	10n32	8s26	6n25

Julian Day Number = 2152234.5, Delta T = 14m04s
Ecliptic obliquity = 23°32'37, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'50, Lahiri = 12°25'50 Julian Calendar 1 July 1180 == Greg. Calendar 8 July 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

AUGUST 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 5 45	15♌ 1'07	24♏12	8♍14	13♍57	3♌27	3°R27	21♋20	0°R 5	1°R42	1♋47	13♌23	13♌ 9	11♉52	21°R 3	F 1
S 2	21 9 42	15°58'54	8♐23	9°40	15°10	4° 6	3♈24	21°28	0♉ 5	1♒41	1°48	13°23	13° 6	11°59	21♒ 0	S 2
S 3	21 13 38	16°56'42	22°29	11° 4	16°23	4°44	3°21	21°35	0° 4	1°39	1°50	13°24	13° 3	12° 6	20°57	S 3
M 4	21 17 35	17°54'31	6♑26	12°26	17°35	5°22	3°17	21°42	0° 4	1°38	1°51	13°24	13° 0	12°12	20°54	M 4
T 5	21 21 32	18°52'22	20°14	13°47	18°48	6° 0	3°14	21°49	0° 4	1°36	1°52	13°24	12°57	12°19	20°51	T 5
W 6	21 25 28	19°50'14	3♒49	15° 6	20° 1	6°39	3°10	21°57	0° 3	1°34	1°53	13°25	12°53	12°26	20°48	W 6
T 7	21 29 25	20°48'07	17°10	16°24	21°13	7°17	3° 6	22° 4	0° 3	1°33	1°54	13°R25	12°50	12°33	20°45	T 7
F 8	21 33 21	21°46'02	0♓15	17°39	22°26	7°55	3° 2	22°11	0° 3	1°31	1°55	13°24	12°47	12°39	20°42	F 8
S 9	21 37 18	22°43'59	13° 5	18°53	23°38	8°33	2°58	22°18	0° 2	1°30	1°56	13°24	12°44	12°46	20°39	S 9
S 10	21 41 14	23°41'57	25°39	20° 5	24°51	9°11	2°53	22°25	0° 2	1°28	1°57	13°22	12°41	12°53	20°36	S 10
M11	21 45 11	24°39'58	7♈59	21°15	26° 3	9°50	2°48	22°32	0° 1	1°27	1°58	13°21	12°38	12°59	20°33	M11
T 12	21 49 7	25°38'00	20° 7	22°23	27°16	10°28	2°44	22°39	0° 0	1°26	1°59	13°19	12°34	13° 6	20°30	T 12
W13	21 53 4	26°36'04	2♉ 7	23°29	28°28	11° 6	2°39	22°46	29♈59	1°24	2° 0	13°18	12°31	13°13	20°27	W13
T 14	21 57 1	27°34'09	14° 1	24°32	29°41	11°44	2°33	22°53	29°59	1°23	2° 1	13°17	12°28	13°20	20°24	T 14
F 15	22 0 57	28°32'17	25°54	25°33	0♎53	12°22	2°28	23° 0	29°58	1°21	2° 2	13°D16	12°25	13°26	20°21	F 15
S 16	22 4 54	29°30'27	7♊50	26°32	2° 5	13° 0	2°23	23° 6	29°57	1°20	2° 3	13°16	12°22	13°33	20°18	S 16
S 17	22 8 50	0♍28'39	19°56	27°28	3°18	13°38	2°17	23°13	29°56	1°18	2° 4	13°17	12°18	13°40	20°15	S 17
M18	22 12 47	1°26'54	2♋13	28°20	4°30	14°16	2°11	23°20	29°55	1°17	2° 5	13°19	12°15	13°47	20°12	M18
T 19	22 16 43	2°25'10	14°48	29°10	5°42	14°55	2° 5	23°26	29°55	1°16	2° 5	13°20	12°12	13°53	20° 9	T 19
W20	22 20 40	3°23'28	27°43	29°57	6°54	15°33	1°59	23°33	29°54	1°14	2° 6	13°21	12° 9	14° 0	20° 6	W20
T 21	22 24 36	4°21'48	10♌59	0♎40	8° 7	16°11	1°53	23°40	29°52	1°13	2° 7	13°R22	12° 6	14° 7	20° 3	T 21
F 22	22 28 33	5°20'10	24°38	1°19	9°19	16°49	1°47	23°46	29°51	1°12	2° 8	13°22	12° 3	14°13	20° 0	F 22
S 23	22 32 30	6°18'34	8♍37	1°55	10°31	17°27	1°40	23°53	29°50	1°11	2° 9	13°20	11°59	14°20	19°57	S 23
S 24	22 36 26	7°17'00	22°53	2°26	11°43	18° 5	1°34	23°59	29°49	1° 9	2° 9	13°17	11°56	14°27	19°55	S 24
M25	22 40 23	8°15'28	7♎21	2°52	12°55	18°43	1°27	24° 5	29°48	1° 8	2°10	13°14	11°53	14°34	19°52	M25
T 26	22 44 19	9°13'57	21°55	3°13	14° 7	19°21	1°20	24°12	29°46	1° 7	2°11	13°11	11°50	14°40	19°49	T 26
W27	22 48 16	10°12'29	6♏28	3°29	15°19	19°59	1°13	24°18	29°45	1° 6	2°12	13° 7	11°47	14°47	19°46	W27
T 28	22 52 12	11°11'01	20°55	3°40	16°31	20°37	1° 6	24°24	29°44	1° 5	2°12	13° 5	11°44	14°54	19°43	T 28
F 29	22 56 9	12° 9'36	5♐13	3°R44	17°43	21°15	0°59	24°30	29°42	1° 3	2°13	13° 3	11°40	15° 0	19°41	F 29
S 30	23 0 5	13° 8'12	19°17	3°42	18°55	21°53	0°51	24°36	29°41	1° 2	2°14	13°D 3	11°37	15° 7	19°38	S 30
S 31	23 4 2	14♍ 6'50	3♑ 8	3♎33	20♎ 7	22♌31	0♈44	24♋42	29♈39	1♒ 1	2♋14	13♌ 4	11♌34	15♉14	19♒35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n24	13s52	5n11	8n29	0s 2	7n25	1n10	20n33	1n 7	0s 4	1s34	21n56	0n 6	11n 3	0s32	19s51	0n 1	20n59	2s33	16n53	16n57	10n34	8s27	6n25
S 2	16 7	17 4	4 47	7 49	0 11	6 55	1 8	20 24	1 7	0 5	1 34	21 55	0 6	11 3	0 32	19 51	0 1	20 59	2 33	16 53	16 57	10 36	8 28	6 25
S 3	15 50	19 14	4 6	7 9	0 19	6 25	1 7	20 15	1 7	0 7	1 35	21 54	0 6	11 3	0 32	19 52	0 1	20 59	2 33	16 52	16 58	10 38	8 29	6 25
M 4	15 32	20 13	3 11	6 29	0 28	5 55	1 5	20 6	1 8	0 8	1 35	21 53	0 6	11 3	0 32	19 52	0 1	20 59	2 33	16 52	16 59	10 40	8 30	6 25
T 5	15 14	19 57	2 5	5 50	0 37	5 24	1 2	19 57	1 8	0 10	1 35	21 52	0 6	11 3	0 32	19 52	0 1	20 59	2 32	16 52	17 0	10 42	8 31	6 25
W 6	14 56	18 32	0 53	5 11	0 46	4 54	1 0	19 47	1 8	0 12	1 35	21 51	0 6	11 3	0 32	19 53	0 1	20 59	2 32	16 52	17 1	10 44	8 32	6 25
T 7	14 37	16 5	0s21	4 33	0 55	4 23	0 58	19 38	1 8	0 13	1 36	21 50	0 6	11 3	0 32	19 53	0 1	20 59	2 32	16 52	17 2	10 46	8 33	6 25
F 8	14 19	12 52	1 32	3 55	1 4	3 52	0 56	19 28	1 8	0 15	1 36	21 49	0 6	11 2	0 32	19 53	0 1	20 59	2 32	16 52	17 3	10 48	8 34	6 25
S 9	14 0	9 5	2 37	3 17	1 14	3 21	0 54	19 18	1 9	0 17	1 36	21 48	0 6	11 2	0 32	19 54	0 1	20 59	2 32	16 52	17 4	10 50	8 35	6 25
S 10	13 41	4 59	3 33	2 40	1 23	2 50	0 51	19 8	1 9	0 19	1 36	21 47	0 6	11 2	0 32	19 54	0 1	20 59	2 32	16 53	17 5	10 52	8 36	6 25
M11	13 21	0 46	4 18	2 4	1 32	2 19	0 49	18 58	1 9	0 21	1 37	21 45	0 6	11 2	0 32	19 54	0 1	20 59	2 32	16 53	17 6	10 54	8 37	6 25
T 12	13 2	3n25	4 50	1 29	1 42	1 48	0 46	18 48	1 9	0 24	1 37	21 44	0 7	11 1	0 32	19 55	0 1	20 59	2 32	16 54	17 6	10 56	8 38	6 25
W13	12 42	7 24	5 10	0 54	1 51	1 17	0 44	18 38	1 9	0 26	1 37	21 43	0 7	11 1	0 32	19 55	0 1	20 59	2 32	16 54	17 7	10 58	8 39	6 25
T 14	12 22	11 5	5 16	0 20	2 0	0 45	0 41	18 27	1 10	0 28	1 37	21 42	0 7	11 1	0 32	19 55	0 1	20 59	2 32	16 54	17 8	11 0	8 40	6 25
F 15	12 2	14 19	5 8	0s12	2 10	0 14	0 38	18 17	1 10	0 30	1 38	21 41	0 7	11 1	0 32	19 56	0 1	20 59	2 32	16 55	17 9	11 2	8 41	6 25
S 16	11 42	16 59	4 47	0 44	2 19	0s17	0 36	18 6	1 10	0 33	1 38	21 40	0 7	11 0	0 32	19 56	0 1	20 59	2 32	16 54	17 10	11 4	8 42	6 25
S 17	11 21	18 57	4 14	1 15	2 28	0 49	0 33	17 55	1 10	0 35	1 38	21 39	0 7	11 0	0 32	19 56	0 1	20 59	2 32	16 54	17 11	11 6	8 43	6 25
M18	11 0	20 4	3 28	1 44	2 37	1 20	0 30	17 44	1 10	0 38	1 38	21 38	0 7	11 0	0 32	19 57	0 1	20 59	2 32	16 54	17 12	11 8	8 44	6 24
T 19	10 39	20 13	2 31	2 12	2 46	1 52	0 27	17 33	1 10	0 40	1 38	21 37	0 7	10 59	0 32	19 57	0 1	20 59	2 32	16 53	17 13	11 10	8 45	6 24
W20	10 18	19 19	1 25	2 38	2 54	2 23	0 24	17 22	1 11	0 43	1 39	21 36	0 7	10 59	0 32	19 57	0 1	20 59	2 32	16 53	17 14	11 12	8 46	6 24
T 21	9 57	17 20	0 13	3 3	3 2	2 54	0 21	17 11	1 11	0 45	1 39	21 35	0 7	10 59	0 32	19 57	0 1	20 59	2 32	16 53	17 14	11 14	8 47	6 24
F 22	9 36	14 20	1n 2	3 26	3 10	3 26	0 18	16 59	1 11	0 48	1 39	21 34	0 8	10 58	0 32	19 58	0 1	20 59	2 32	16 53	17 15	11 16	8 48	6 24
S 23	9 14	10 27	2 14	3 47	3 18	3 57	0 15	16 48	1 11	0 51	1 39	21 33	0 8	10 58	0 32	19 58	0 1	20 59	2 32	16 53	17 16	11 18	8 49	6 24
S 24	8 52	5 54	3 20	4 6	3 25	4 28	0 12	16 36	1 11	0 54	1 39	21 32	0 8	10 57	0 32	19 58	0 1	20 59	2 32	16 54	17 17	11 20	8 50	6 24
M25	8 31	0 58	4 14	4 23	3 32	4 59	0 9	16 25	1 11	0 57	1 39	21 31	0 8	10 57	0 32	19 59	0 1	20 59	2 32	16 55	17 18	11 22	8 51	6 23
T 26	8 9	4s 3	4 52	4 37	3 38	5 30	0 6	16 13	1 12	0 59	1 40	21 30	0 8	10 56	0 32	19 59	0 1	20 59	2 32	16 56	17 19	11 24	8 52	6 23
W27	7 46	8 50	5 11	4 49	3 44	6 1	0 3	16 1	1 12	1 2	1 40	21 29	0 8	10 56	0 32	19 59	0 1	20 59	2 32	16 57	17 20	11 26	8 53	6 23
T 28	7 24	13 4	5 10	4 57	3 49	6 32	0s 1	15 49	1 12	1 5	1 40	21 28	0 8	10 55	0 32	19 59	0 1	20 59	2 32	16 58	17 21	11 28	8 54	6 23
F 29	7 2	16 30	4 50	5 3	3 53	7 3	0 4	15 37	1 12	1 8	1 40	21 27	0 8	10 55	0 32	20 0	0 1	20 59	2 32	16 58	17 22	11 30	8 55	6 23
S 30	6 39	18 55	4 13	5 5	3 56	7 33	0 7	15 25	1 12	1 11	1 40	21 26	0 8	10 54	0 32	20 0	0 1	20 59	2 32	16 58	17 22	11 32	8 56	6 22
S 31	6n17	20s 9	3n21	5s 3	3s58	8s 3	0s11	15n13	1n12	1s14	1s40	21n25	0n 8	10n54	0s32	20s 0	0n 1	20n59	2s32	16n58	17n23	11n34	8s57	6n22

Julian Day Number = 2152265.5, Delta T = 14m04s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'54, Lahiri = 12°25'55 Julian Calendar 1 Aug. 1180 == Greg. Calendar 8 Aug. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

SEPTEMBER 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 7 58	15♍ 5'30	16♎45	3°R18	21♎19	23♌ 9	0°R37	24♋48	29°R38	1°R 0	2♋15	13♌ 6	11♌31	15♉21	19°R33	M 1
T 2	23 11 55	16° 4'11	0♒ 8	2♎55	22°30	23°47	0♈29	24°54	29♈36	0♒59	2°15	13° 7	11°28	15°27	19♒30	T 2
W 3	23 15 52	17° 2'55	13°18	2°25	23°42	24°24	0°21	25° 0	29°35	0°58	2°16	13°R 8	11°24	15°34	19°27	W 3
T 4	23 19 48	18° 1'40	26°16	1°48	24°54	25° 2	0°14	25° 5	29°33	0°57	2°16	13° 7	11°21	15°41	19°25	T 4
F 5	23 23 45	19° 0'26	9♓ 1	1° 4	26° 5	25°40	0° 6	25°11	29°31	0°56	2°17	13° 5	11°18	15°48	19°22	F 5
S 6	23 27 41	19°59'15	21°36	0°14	27°17	26°18	29♓58	25°16	29°30	0°55	2°17	13° 0	11°15	15°54	19°20	S 6
S 7	23 31 38	20°58'06	3♈59	29♍18	28°28	26°56	29°50	25°22	29°28	0°54	2°18	12°54	11°12	16° 1	19°17	S 7
M 8	23 35 34	21°56'59	16°12	28°17	29°40	27°34	29°43	25°27	29°26	0°53	2°18	12°47	11° 9	16° 8	19°15	M 8
T 9	23 39 31	22°55'54	28°16	27°12	0♏51	28°12	29°35	25°33	29°24	0°53	2°19	12°40	11° 5	16°14	19°13	T 9
W10	23 43 27	23°54'52	10♉13	26° 4	2° 3	28°50	29°27	25°38	29°22	0°52	2°19	12°33	11° 2	16°21	19°10	W10
T 11	23 47 24	24°53'51	22° 5	24°56	3°14	29°27	29°19	25°43	29°21	0°51	2°19	12°27	10°59	16°28	19° 8	T 11
F 12	23 51 21	25°52'53	3♊57	23°49	4°25	0♍ 5	29°11	25°48	29°19	0°50	2°20	12°22	10°56	16°35	19° 6	F 12
S 13	23 55 17	26°51'58	15°51	22°45	5°37	0°43	29° 2	25°53	29°17	0°49	2°20	12°20	10°53	16°41	19° 4	S 13
S 14	23 59 14	27°51'04	27°53	21°45	6°48	1°21	28°54	25°58	29°15	0°49	2°20	12°D19	10°49	16°48	19° 2	S 14
M15	0 3 10	28°50'13	10♋ 8	20°52	7°59	1°59	28°46	26° 3	29°13	0°48	2°21	12°20	10°46	16°55	18°59	M15
T 16	0 7 7	29°49'25	22°40	20° 6	9°10	2°37	28°38	26° 8	29°11	0°47	2°21	12°21	10°43	17° 2	18°57	T 16
W17	0 11 3	0♎48'39	5♌34	19°29	10°21	3°14	28°30	26°13	29° 9	0°47	2°21	12°R22	10°40	17° 8	18°55	W17
T 18	0 15 0	1°47'55	18°54	19° 2	11°32	3°52	28°22	26°18	29° 7	0°46	2°21	12°22	10°37	17°15	18°53	T 18
F 19	0 18 56	2°47'13	2♍41	18°46	12°43	4°30	28°14	26°22	29° 4	0°46	2°22	12°20	10°34	17°22	18°51	F 19
S 20	0 22 53	3°46'33	16°54	18°D40	13°54	5° 8	28° 6	26°27	29° 2	0°45	2°22	12°16	10°30	17°28	18°50	S 20
S 21	0 26 50	4°45'56	1♎31	18°45	15° 5	5°45	27°58	26°31	29° 0	0°45	2°22	12°10	10°27	17°35	18°48	S 21
M22	0 30 46	5°45'21	16°24	19° 1	16°16	6°23	27°50	26°35	28°58	0°44	2°22	12° 2	10°24	17°42	18°46	M22
T 23	0 34 43	6°44'48	1♏24	19°27	17°26	7° 1	27°42	26°40	28°56	0°44	2°22	11°53	10°21	17°49	18°44	T 23
W24	0 38 39	7°44'16	16°23	20° 2	18°37	7°39	27°34	26°44	28°53	0°43	2°22	11°45	10°18	17°55	18°43	W24
T 25	0 42 36	8°43'47	1♐11	20°47	19°48	8°16	27°27	26°48	28°51	0°43	2°22	11°38	10°15	18° 2	18°41	T 25
F 26	0 46 32	9°43'20	15°42	21°39	20°58	8°54	27°19	26°52	28°49	0°43	2°R22	11°34	10°11	18° 9	18°39	F 26
S 27	0 50 29	10°42'54	29°52	22°39	22° 9	9°32	27°11	26°56	28°47	0°42	2°22	11°31	10° 8	18°15	18°38	S 27
S 28	0 54 25	11°42'30	13♑40	23°45	23°19	10°10	27° 4	26°59	28°44	0°42	2°22	11°D31	10° 5	18°22	18°36	S 28
M29	0 58 22	12°42'08	27° 7	24°58	24°29	10°47	26°56	27° 3	28°42	0°42	2°22	11°31	10° 2	18°29	18°35	M29
T 30	1 2 18	13♎41'48	10♒15	26♍15	25♏40	11♍25	26♓49	27♋ 7	28♈39	0♒41	2♋22	11°R32	9♌59	18♉36	18♒34	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n54	20s11	2n19	4s58	3s59	8s34	0s14	15n 0	1n12	1s17	1s40	21n24	0n 9	10n53	0s32	20s 0	0n 1	20n59	2s32	16n57	17n24	11n36	8s58	6n22
T 2	5 31	19 4	1 10	4 48	3 58	9 4	0 17	14 48	1 13	1 21	1 41	21 23	0 9	10 53	0 32	20 1	0 1	20 59	2 32	16 57	17 25	11 38	8 59	6 22
W 3	5 8	16 55	0s 1	4 34	3 56	9 34	0 21	14 35	1 13	1 24	1 41	21 22	0 9	10 52	0 32	20 1	0 1	20 59	2 32	16 57	17 26	11 40	9 0	6 22
T 4	4 45	13 56	1 11	4 16	3 52	10 3	0 24	14 23	1 13	1 27	1 41	21 21	0 9	10 52	0 32	20 1	0 1	20 59	2 32	16 57	17 27	11 42	9 1	6 21
F 5	4 22	10 19	2 16	3 53	3 46	10 33	0 28	14 10	1 13	1 30	1 41	21 20	0 9	10 51	0 32	20 1	0 1	20 59	2 32	16 58	17 28	11 44	9 2	6 21
S 6	3 59	6 19	3 14	3 26	3 39	11 2	0 31	13 57	1 13	1 33	1 41	21 19	0 9	10 50	0 32	20 2	0 1	20 59	2 32	16 59	17 29	11 45	9 3	6 21
S 7	3 36	2 6	4 1	2 55	3 30	11 31	0 35	13 44	1 13	1 36	1 41	21 18	0 9	10 50	0 32	20 2	0 1	20 59	2 32	17 1	17 30	11 47	9 4	6 21
M 8	3 12	2n 8	4 37	2 21	3 18	12 0	0 38	13 31	1 13	1 40	1 41	21 18	0 9	10 49	0 32	20 2	0 1	20 59	2 32	17 3	17 30	11 49	9 5	6 20
T 9	2 49	6 14	4 59	1 43	3 5	12 28	0 42	13 18	1 14	1 43	1 41	21 17	0 9	10 48	0 32	20 2	0 1	20 59	2 32	17 5	17 31	11 51	9 6	6 20
W10	2 26	10 4	5 9	1 2	2 50	12 56	0 45	13 5	1 14	1 46	1 41	21 16	0 9	10 48	0 32	20 2	0 1	20 59	2 32	17 7	17 32	11 53	9 7	6 20
T 11	2 2	13 28	5 5	0 20	2 34	13 24	0 49	12 52	1 14	1 49	1 41	21 15	0 10	10 47	0 32	20 3	0 1	20 59	2 32	17 9	17 33	11 55	9 8	6 19
F 12	1 39	16 19	4 47	0n24	2 15	13 52	0 52	12 38	1 14	1 53	1 41	21 14	0 10	10 46	0 32	20 3	0 1	20 59	2 32	17 10	17 34	11 57	9 9	6 19
S 13	1 15	18 31	4 18	1 7	1 56	14 19	0 56	12 25	1 14	1 56	1 41	21 13	0 10	10 46	0 32	20 3	0 1	20 59	2 32	17 11	17 35	11 59	9 10	6 19
S 14	0 51	19 55	3 37	1 49	1 36	14 46	0 59	12 12	1 14	1 59	1 41	21 12	0 10	10 45	0 32	20 3	0 1	20 59	2 32	17 11	17 36	12 1	9 11	6 19
M15	0 28	20 25	2 45	2 28	1 16	15 13	1 3	11 58	1 14	2 2	1 41	21 12	0 10	10 44	0 32	20 3	0 1	20 59	2 32	17 11	17 37	12 3	9 12	6 18
T 16	0 4	19 55	1 44	3 5	0 56	15 39	1 6	11 45	1 14	2 5	1 41	21 11	0 10	10 43	0 32	20 3	0 1	20 59	2 32	17 10	17 37	12 5	9 13	6 18
W17	0s19	18 22	0 37	3 38	0 36	16 5	1 10	11 31	1 14	2 9	1 41	21 10	0 10	10 43	0 32	20 4	0 1	20 59	2 32	17 10	17 38	12 7	9 14	6 18
T 18	0 43	15 47	0n35	4 7	0 16	16 31	1 13	11 17	1 15	2 12	1 41	21 9	0 10	10 42	0 32	20 4	0 1	20 59	2 32	17 10	17 39	12 9	9 15	6 17
F 19	1 7	12 14	1 47	4 30	0n 3	16 56	1 17	11 4	1 15	2 15	1 41	21 8	0 10	10 41	0 32	20 4	0 1	20 59	2 32	17 10	17 40	12 11	9 16	6 17
S 20	1 30	7 52	2 55	4 48	0 20	17 21	1 20	10 50	1 15	2 18	1 41	21 8	0 11	10 40	0 32	20 4	0 1	20 59	2 32	17 12	17 41	12 13	9 16	6 17
S 21	1 54	2 57	3 52	5 1	0 36	17 46	1 24	10 36	1 15	2 21	1 41	21 7	0 11	10 40	0 32	20 4	0 1	20 59	2 32	17 13	17 42	12 15	9 17	6 16
M22	2 18	2s14	4 36	5 9	0 51	18 10	1 27	10 22	1 15	2 24	1 41	21 6	0 11	10 39	0 32	20 4	0 1	20 59	2 32	17 16	17 43	12 17	9 18	6 16
T 23	2 41	7 19	5 0	5 11	1 5	18 33	1 30	10 8	1 15	2 28	1 41	21 6	0 11	10 38	0 32	20 4	0 1	20 59	2 32	17 18	17 43	12 19	9 19	6 16
W24	3 5	11 57	5 4	5 8	1 16	18 57	1 34	9 54	1 15	2 31	1 41	21 5	0 11	10 37	0 32	20 4	0 1	20 59	2 32	17 20	17 44	12 21	9 20	6 15
T 25	3 29	15 47	4 48	5 0	1 27	19 19	1 37	9 40	1 15	2 34	1 41	21 4	0 11	10 36	0 32	20 5	0 1	20 59	2 32	17 22	17 45	12 23	9 21	6 15
F 26	3 52	18 35	4 13	4 47	1 36	19 42	1 40	9 26	1 15	2 37	1 41	21 4	0 11	10 36	0 32	20 5	0 1	20 59	2 32	17 23	17 46	12 25	9 21	6 15
S 27	4 16	20 9	3 23	4 31	1 43	20 3	1 44	9 12	1 15	2 40	1 41	21 3	0 11	10 35	0 32	20 5	0 1	20 59	2 32	17 24	17 47	12 27	9 22	6 14
S 28	4 39	20 28	2 23	4 10	1 49	20 25	1 47	8 57	1 15	2 43	1 41	21 2	0 11	10 34	0 32	20 5	0 1	20 59	2 32	17 24	17 48	12 29	9 23	6 14
M29	5 2	19 35	1 16	3 46	1 54	20 45	1 50	8 43	1 15	2 45	1 40	21 2	0 12	10 33	0 32	20 5	0 1	20 59	2 32	17 24	17 49	12 30	9 24	6 14
T 30	5s26	17s38	0n 7	3n18	1n58	21s 6	1s53	8n29	1n16	2s48	1s40	21n 1	0n12	10n32	0s32	20s 5	0n 1	20n59	2s32	17n24	17n49	12n32	9s25	6n13

Julian Day Number = 2152296.5, Delta T = 14m04s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°18'58, Lahiri = 12°25'59 Julian Calendar 1 Sept. 1180 == Greg. Calendar 8 Sept. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

OCTOBER 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 6 15	14♎41'29	23♒ 8	27♍36	26♏50	12♍ 3	26°R42	27♋10	28°R37	0°R41	2°R22	11°R31	9♌55	18♉42	18°R32	W 1
T 2	1 10 12	15°41'12	5♓47	29° 1	28° 0	12°40	26♓34	27°14	28♈35	0♒41	2♋22	11♌28	9°52	18°49	18♒31	T 2
F 3	1 14 8	16°40'57	18°15	0♎30	29°10	13°18	26°27	27°17	28°32	0°41	2°21	11°23	9°49	18°56	18°30	F 3
S 4	1 18 5	17°40'44	0♈33	2° 1	0♐20	13°56	26°20	27°20	28°30	0°41	2°21	11°15	9°46	19° 2	18°29	S 4
S 5	1 22 1	18°40'32	12°44	3°34	1°30	14°33	26°13	27°23	28°27	0°41	2°21	11° 4	9°43	19° 9	18°28	S 5
M 6	1 25 58	19°40'23	24°49	5° 8	2°39	15°11	26° 7	27°26	28°25	0°D41	2°21	10°51	9°40	19°16	18°27	M 6
T 7	1 29 54	20°40'16	6♉47	6°44	3°49	15°48	26° 0	27°29	28°23	0°41	2°21	10°38	9°36	19°23	18°26	T 7
W 8	1 33 51	21°40'10	18°41	8°21	4°58	16°26	25°53	27°32	28°20	0°41	2°20	10°25	9°33	19°29	18°25	W 8
T 9	1 37 47	22°40'07	0♊32	9°59	6° 8	17° 4	25°47	27°35	28°18	0°41	2°20	10°13	9°30	19°36	18°24	T 9
F 10	1 41 44	23°40'06	12°23	11°38	7°17	17°41	25°41	27°37	28°15	0°41	2°20	10° 4	9°27	19°43	18°23	F 10
S 11	1 45 41	24°40'07	24°17	13°17	8°27	18°19	25°35	27°40	28°13	0°41	2°19	9°57	9°24	19°50	18°23	S 11
S 12	1 49 37	25°40'10	6♋17	14°56	9°36	18°56	25°29	27°42	28°10	0°42	2°19	9°53	9°21	19°56	18°22	S 12
M13	1 53 34	26°40'16	18°28	16°35	10°45	19°34	25°23	27°44	28° 8	0°42	2°19	9°52	9°17	20° 3	18°21	M13
T 14	1 57 30	27°40'24	0♌55	18°15	11°54	20°12	25°17	27°47	28° 5	0°42	2°18	9°D52	9°14	20°10	18°21	T 14
W15	2 1 27	28°40'33	13°43	19°54	13° 2	20°49	25°12	27°49	28° 3	0°42	2°18	9°R52	9°11	20°16	18°20	W15
T 16	2 5 23	29°40'45	26°57	21°33	14°11	21°27	25° 6	27°51	28° 0	0°43	2°17	9°51	9° 8	20°23	18°20	T 16
F 17	2 9 20	0♏40'59	10♍40	23°12	15°20	22° 4	25° 1	27°52	27°58	0°43	2°17	9°48	9° 5	20°30	18°20	F 17
S 18	2 13 16	1°41'15	24°53	24°51	16°28	22°42	24°56	27°54	27°55	0°43	2°16	9°42	9° 1	20°37	18°19	S 18
S 19	2 17 13	2°41'33	9♎34	26°29	17°37	23°19	24°51	27°56	27°53	0°44	2°16	9°34	8°58	20°43	18°19	S 19
M20	2 21 10	3°41'53	24°38	28° 7	18°45	23°57	24°47	27°57	27°51	0°44	2°15	9°23	8°55	20°50	18°19	M20
T 21	2 25 6	4°42'14	9♏54	29°45	19°53	24°34	24°42	27°59	27°48	0°45	2°15	9°12	8°52	20°57	18°19	T 21
W22	2 29 3	5°42'38	25°12	1♏23	21° 1	25°12	24°38	28° 0	27°46	0°45	2°14	9° 0	8°49	21° 3	18°D19	W22
T 23	2 32 59	6°43'03	10♐21	3° 0	22° 9	25°49	24°34	28° 1	27°43	0°46	2°13	8°51	8°46	21°10	18°19	T 23
F 24	2 36 56	7°43'29	25°10	4°37	23°16	26°27	24°30	28° 2	27°41	0°47	2°13	8°43	8°42	21°17	18°19	F 24
S 25	2 40 52	8°43'57	9♑34	6°14	24°24	27° 4	24°26	28° 3	27°38	0°47	2°12	8°39	8°39	21°24	18°19	S 25
S 26	2 44 49	9°44'27	23°30	7°50	25°31	27°42	24°22	28° 4	27°36	0°48	2°12	8°37	8°36	21°30	18°20	S 26
M27	2 48 45	10°44'58	7♒ 0	9°26	26°38	28°19	24°19	28° 5	27°33	0°49	2°11	8°37	8°33	21°37	18°20	M27
T 28	2 52 42	11°45'30	20° 6	11° 2	27°45	28°57	24°16	28° 6	27°31	0°49	2°10	8°37	8°30	21°44	18°20	T 28
W29	2 56 39	12°46'03	2♓51	12°38	28°52	29°34	24°13	28° 6	27°29	0°50	2° 9	8°36	8°26	21°51	18°21	W29
T 30	3 0 35	13°46'37	15°20	14°13	29°59	0♎11	24°10	28° 6	27°26	0°51	2° 9	8°32	8°23	21°57	18°21	T 30
F 31	3 4 32	14♏47'13	27♓36	15♏48	1♑ 5	0♎49	24♓ 8	28♋ 7	27♈24	0♒52	2♋ 8	8♌26	8♌20	22♉ 4	18♒22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s49	14s50	1s 1	2n48	2n 1	21s25	1s57	8n14	1n16	2s51	1s40	21n 1	0n12	10n31	0s32	20s 5	0n 1	20n59	2s32	17n24	17n50	12n34	9s25	6n13
T 2	6 12	11 22	2 5	2 15	2 2	21 45	2 0	8 0	1 16	2 54	1 40	21 0	0 12	10 31	0 32	20 5	0 1	20 59	2 32	17 25	17 51	12 36	9 26	6 13
F 3	6 35	7 28	3 2	1 41	2 3	22 3	2 3	7 45	1 16	2 57	1 40	20 59	0 12	10 30	0 32	20 5	0 1	20 59	2 32	17 26	17 52	12 38	9 27	6 12
S 4	6 58	3 17	3 50	1 4	2 3	22 21	2 6	7 31	1 16	2 59	1 40	20 59	0 12	10 29	0 32	20 5	0 0	20 59	2 32	17 29	17 53	12 40	9 27	6 12
S 5	7 21	0n59	4 26	0 26	2 1	22 39	2 9	7 16	1 16	3 2	1 40	20 58	0 12	10 28	0 32	20 5	0 0	20 59	2 32	17 32	17 54	12 42	9 28	6 11
M 6	7 44	5 9	4 50	0s13	2 0	22 56	2 12	7 2	1 16	3 4	1 40	20 58	0 12	10 27	0 32	20 5	0 0	20 59	2 32	17 35	17 55	12 44	9 29	6 11
T 7	8 6	9 6	5 0	0 54	1 57	23 12	2 14	6 47	1 16	3 7	1 39	20 58	0 12	10 26	0 32	20 5	0 0	20 59	2 32	17 39	17 55	12 46	9 29	6 11
W 8	8 29	12 41	4 58	1 35	1 54	23 28	2 17	6 33	1 16	3 9	1 39	20 57	0 13	10 25	0 32	20 5	0 0	20 59	2 32	17 42	17 56	12 48	9 30	6 10
T 9	8 51	15 45	4 43	2 17	1 51	23 43	2 20	6 18	1 16	3 12	1 39	20 57	0 13	10 25	0 32	20 5	0 0	20 59	2 32	17 45	17 57	12 50	9 31	6 10
F 10	9 14	18 10	4 15	2 59	1 47	23 58	2 23	6 3	1 16	3 14	1 39	20 56	0 13	10 24	0 32	20 5	0 0	20 59	2 32	17 48	17 58	12 52	9 31	6 9
S 11	9 36	19 49	3 36	3 41	1 43	24 12	2 25	5 48	1 16	3 16	1 39	20 56	0 13	10 23	0 32	20 5	0 0	20 59	2 32	17 50	17 59	12 54	9 32	6 9
S 12	9 58	20 36	2 48	4 24	1 38	24 25	2 28	5 34	1 16	3 19	1 38	20 56	0 13	10 22	0 32	20 5	0 0	20 59	2 32	17 51	18 0	12 56	9 32	6 9
M13	10 20	20 26	1 51	5 7	1 33	24 38	2 30	5 19	1 16	3 21	1 38	20 55	0 13	10 21	0 32	20 5	0 0	20 59	2 32	17 51	18 1	12 58	9 33	6 8
T 14	10 41	19 16	0 47	5 50	1 27	24 50	2 32	5 4	1 16	3 23	1 38	20 55	0 13	10 20	0 32	20 5	0 0	20 59	2 32	17 51	18 1	12 59	9 34	6 8
W15	11 3	17 6	0n20	6 33	1 22	25 1	2 35	4 49	1 16	3 25	1 38	20 55	0 13	10 19	0 32	20 5	0 0	20 59	2 32	17 51	18 2	13 1	9 34	6 7
T 16	11 24	13 59	1 29	7 16	1 16	25 12	2 37	4 34	1 16	3 27	1 38	20 54	0 14	10 18	0 32	20 5	0 0	20 59	2 32	17 52	18 3	13 3	9 35	6 7
F 17	11 46	9 59	2 35	7 58	1 10	25 22	2 39	4 20	1 16	3 29	1 37	20 54	0 14	10 18	0 32	20 5	0 0	20 59	2 32	17 52	18 4	13 5	9 35	6 7
S 18	12 7	5 19	3 34	8 40	1 4	25 31	2 41	4 5	1 16	3 30	1 37	20 54	0 14	10 17	0 32	20 5	0 0	20 59	2 32	17 54	18 5	13 7	9 35	6 6
S 19	12 28	0 11	4 20	9 22	0 58	25 40	2 43	3 50	1 16	3 32	1 37	20 54	0 14	10 16	0 32	20 5	0 0	20 59	2 32	17 56	18 6	13 9	9 36	6 6
M20	12 48	5s 5	4 50	10 3	0 51	25 48	2 45	3 35	1 16	3 34	1 37	20 53	0 14	10 15	0 32	20 5	0 0	20 59	2 32	17 59	18 6	13 11	9 36	6 5
T 21	13 9	10 6	5 0	10 44	0 45	25 55	2 47	3 20	1 16	3 35	1 37	20 53	0 14	10 14	0 32	20 4	0 0	20 59	2 32	18 2	18 7	13 13	9 37	6 5
W22	13 29	14 29	4 48	11 25	0 38	26 2	2 48	3 5	1 16	3 37	1 36	20 53	0 14	10 13	0 32	20 4	0 0	20 59	2 32	18 5	18 8	13 15	9 37	6 5
T 23	13 49	17 52	4 16	12 4	0 32	26 8	2 50	2 50	1 16	3 38	1 36	20 53	0 14	10 12	0 32	20 4	0 0	20 59	2 32	18 8	18 9	13 17	9 38	6 4
F 24	14 9	20 0	3 28	12 44	0 25	26 13	2 51	2 35	1 16	3 40	1 36	20 53	0 15	10 11	0 32	20 4	0 0	20 59	2 32	18 9	18 10	13 19	9 38	6 4
S 25	14 28	20 45	2 27	13 22	0 18	26 18	2 53	2 20	1 16	3 41	1 36	20 53	0 15	10 11	0 32	20 4	0 0	20 59	2 32	18 11	18 11	13 20	9 38	6 3
S 26	14 48	20 11	1 19	14 0	0 11	26 22	2 54	2 5	1 16	3 42	1 35	20 53	0 15	10 10	0 32	20 4	0 0	20 59	2 32	18 11	18 11	13 22	9 39	6 3
M27	15 7	18 28	0 9	14 37	0 5	26 25	2 55	1 50	1 16	3 43	1 35	20 53	0 15	10 9	0 32	20 4	0 0	20 59	2 32	18 11	18 12	13 24	9 39	6 3
T 28	15 26	15 48	1s 0	15 14	0s 2	26 27	2 56	1 35	1 16	3 44	1 35	20 53	0 15	10 8	0 32	20 4	0 0	20 59	2 32	18 11	18 13	13 26	9 39	6 2
W29	15 44	12 26	2 4	15 50	0 9	26 29	2 57	1 21	1 16	3 45	1 34	20 53	0 15	10 7	0 32	20 3	0 0	20 59	2 32	18 12	18 14	13 28	9 39	6 2
T 30	16 3	8 35	3 1	16 25	0 15	26 30	2 58	1 6	1 16	3 46	1 34	20 53	0 15	10 6	0 32	20 3	0 0	20 59	2 32	18 12	18 15	13 30	9 40	6 1
F 31	16s21	4s26	3s48	16s59	0s22	26s31	2s58	0n51	1n16	3s47	1s34	20n53	0n15	10n 6	0s32	20s 3	0n 0	20n59	2s32	18n14	18n16	13n32	9s40	6n 1

Julian Day Number = 2152326.5, Delta T = 14m04s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'02, Lahiri = 12°26'03 Julian Calendar 1 Oct. 1180 == Greg. Calendar 8 Oct. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

NOVEMBER 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 28	15♏47'50	9♈44	17♏23	2♑12	1♎26	24°R 5	28♋ 7	27°R22	0♒53	2°R 7	8°R17	8♌17	22♉11	18♒22	S 1
S 2	3 12 25	16°48'28	21°45	18°57	3°18	2° 3	24♓ 3	28°R 7	27♈19	0°53	2♋ 6	8♌ 5	8°14	22°17	18°23	S 2
M 3	3 16 21	17°49'08	3♉42	20°31	4°23	2°41	24° 1	28° 7	27°17	0°54	2° 5	7°52	8°11	22°24	18°24	M 3
T 4	3 20 18	18°49'49	15°36	22° 6	5°29	3°18	23°59	28° 7	27°15	0°55	2° 5	7°37	8° 7	22°31	18°25	T 4
W 5	3 24 14	19°50'32	27°28	23°40	6°34	3°55	23°58	28° 7	27°13	0°56	2° 4	7°22	8° 4	22°38	18°25	W 5
T 6	3 28 11	20°51'15	9♊20	25°14	7°39	4°33	23°56	28° 6	27°10	0°57	2° 3	7° 9	8° 1	22°44	18°26	T 6
F 7	3 32 8	21°52'01	21°14	26°47	8°44	5°10	23°55	28° 6	27° 8	0°58	2° 2	6°59	7°58	22°51	18°27	F 7
S 8	3 36 4	22°52'48	3♋10	28°21	9°49	5°47	23°54	28° 5	27° 6	1° 0	2° 1	6°51	7°55	22°58	18°28	S 8
S 9	3 40 1	23°53'36	15°13	29°55	10°53	6°24	23°54	28° 4	27° 4	1° 1	2° 0	6°46	7°52	23° 4	18°30	S 9
M10	3 43 57	24°54'26	27°25	1♐28	11°57	7° 2	23°53	28° 4	27° 2	1° 2	1°59	6°44	7°48	23°11	18°31	M10
T 11	3 47 54	25°55'17	9♌51	3° 1	13° 1	7°39	23°53	28° 3	27° 0	1° 3	1°58	6°D44	7°45	23°18	18°32	T 11
W12	3 51 50	26°56'09	22°35	4°35	14° 5	8°16	23°D53	28° 2	26°58	1° 4	1°57	6°R44	7°42	23°25	18°33	W12
T 13	3 55 47	27°57'03	5♍42	6° 8	15° 8	8°53	23°53	28° 0	26°56	1° 5	1°56	6°44	7°39	23°31	18°35	T 13
F 14	3 59 43	28°57'59	19°15	7°41	16°11	9°31	23°53	27°59	26°54	1° 7	1°55	6°42	7°36	23°38	18°36	F 14
S 15	4 3 40	29°58'55	3♎17	9°14	17°13	10° 8	23°54	27°58	26°52	1° 8	1°54	6°38	7°32	23°45	18°37	S 15
S 16	4 7 37	0♐59'53	17°47	10°47	18°16	10°45	23°54	27°56	26°50	1° 9	1°53	6°32	7°29	23°51	18°39	S 16
M17	4 11 33	2° 0'53	2♏43	12°20	19°18	11°22	23°55	27°55	26°48	1°11	1°52	6°23	7°26	23°58	18°41	M17
T 18	4 15 30	3° 1'53	17°56	13°53	20°19	11°59	23°57	27°53	26°46	1°12	1°51	6°13	7°23	24° 5	18°42	T 18
W19	4 19 26	4° 2'55	3♐16	15°26	21°20	12°36	23°58	27°51	26°44	1°13	1°50	6° 3	7°20	24°12	18°44	W19
T 20	4 23 23	5° 3'57	18°31	16°59	22°21	13°13	23°59	27°49	26°42	1°15	1°49	5°54	7°17	24°18	18°46	T 20
F 21	4 27 19	6° 5'01	3♑32	18°31	23°22	13°51	24° 1	27°47	26°41	1°16	1°48	5°48	7°13	24°25	18°48	F 21
S 22	4 31 16	7° 6'05	18° 9	20° 4	24°22	14°28	24° 3	27°45	26°39	1°18	1°47	5°44	7°10	24°32	18°49	S 22
S 23	4 35 12	8° 7'09	2♒18	21°36	25°21	15° 5	24° 5	27°43	26°37	1°19	1°46	5°D43	7° 7	24°38	18°51	S 23
M24	4 39 9	9° 8'14	15°58	23° 8	26°20	15°42	24° 8	27°40	26°36	1°21	1°44	5°43	7° 4	24°45	18°53	M24
T 25	4 43 6	10° 9'20	29°11	24°40	27°19	16°19	24°10	27°38	26°34	1°23	1°43	5°44	7° 1	24°52	18°55	T 25
W26	4 47 2	11°10'26	11♓59	26°11	28°17	16°56	24°13	27°35	26°32	1°24	1°42	5°R45	6°58	24°59	18°57	W26
T 27	4 50 59	12°11'32	24°28	27°42	29°15	17°33	24°16	27°33	26°31	1°26	1°41	5°44	6°54	25° 5	19° 0	T 27
F 28	4 54 55	13°12'38	6♈41	29°12	0♒12	18° 9	24°19	27°30	26°29	1°27	1°40	5°41	6°51	25°12	19° 2	F 28
S 29	4 58 52	14°13'45	18°44	0♑41	1° 8	18°46	24°23	27°27	26°28	1°29	1°39	5°35	6°48	25°19	19° 4	S 29
S 30	5 2 48	15♐14'53	0♉40	2♑10	2♒ 4	19♎23	24♓26	27♋24	26♈26	1♒31	1♋37	5♌28	6♌45	25♉26	19♒ 6	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s38	0s10	4s24	17s33	0s28	26s30	2s59	0n36	1n16	3s47	1s34	20n53	0n16	10n 5	0s32	20s 3	0n 0	20n59	2s32	18n16	18n16	13n34	9s40	6n 0
S 2	16 56	4n 4	4 48	18 5	0 35	26 29	2 59	0 21	1 16	3 48	1 33	20 53	0 16	10 4	0 32	20 3	0 0	20 59	2 32	18 19	18 17	13 36	9 40	6 0
M 3	17 13	8 7	4 59	18 37	0 41	26 28	2 59	0 6	1 16	3 49	1 33	20 53	0 16	10 3	0 32	20 2	0 0	20 59	2 32	18 23	18 18	13 38	9 40	6 0
T 4	17 30	11 51	4 57	19 8	0 47	26 25	3 0	0s 9	1 16	3 49	1 33	20 53	0 16	10 2	0 32	20 2	0 0	20 59	2 32	18 27	18 19	13 39	9 41	5 59
W 5	17 47	15 6	4 42	19 38	0 53	26 22	3 0	0 24	1 16	3 49	1 33	20 54	0 16	10 1	0 32	20 2	0 0	20 59	2 32	18 31	18 20	13 41	9 41	5 59
T 6	18 3	17 45	4 15	20 7	0 59	26 18	2 59	0 39	1 16	3 50	1 32	20 54	0 16	10 1	0 32	20 2	0 0	20 59	2 32	18 34	18 21	13 43	9 41	5 58
F 7	18 19	19 39	3 36	20 35	1 5	26 14	2 59	0 54	1 16	3 50	1 32	20 54	0 16	10 0	0 32	20 2	0 0	21 0	2 32	18 37	18 21	13 45	9 41	5 58
S 8	18 34	20 43	2 48	21 2	1 11	26 9	2 59	1 9	1 16	3 50	1 32	20 54	0 17	9 59	0 32	20 1	0 0	21 0	2 32	18 38	18 22	13 47	9 41	5 58
S 9	18 50	20 49	1 52	21 28	1 17	26 3	2 58	1 23	1 16	3 50	1 31	20 55	0 17	9 58	0 32	20 1	0 0	21 0	2 32	18 40	18 23	13 49	9 41	5 57
M10	19 5	19 58	0 49	21 53	1 22	25 57	2 57	1 38	1 16	3 50	1 31	20 55	0 17	9 58	0 32	20 1	0 0	21 0	2 32	18 40	18 24	13 51	9 41	5 57
T 11	19 19	18 7	0n17	22 17	1 27	25 50	2 56	1 53	1 16	3 50	1 31	20 55	0 17	9 57	0 32	20 1	0 0	21 0	2 32	18 40	18 25	13 53	9 41	5 56
W12	19 33	15 21	1 23	22 40	1 32	25 42	2 55	2 8	1 16	3 49	1 31	20 56	0 17	9 56	0 32	20 0	0 0	21 0	2 32	18 40	18 25	13 54	9 41	5 56
T 13	19 47	11 45	2 28	23 1	1 37	25 34	2 54	2 23	1 16	3 49	1 30	20 56	0 17	9 55	0 32	20 0	0 0	21 0	2 32	18 40	18 26	13 56	9 41	5 56
F 14	20 1	7 25	3 26	23 22	1 42	25 25	2 53	2 37	1 16	3 49	1 30	20 56	0 17	9 55	0 32	20 0	0 0	21 0	2 32	18 41	18 27	13 58	9 41	5 55
S 15	20 14	2 34	4 14	23 41	1 46	25 16	2 51	2 52	1 16	3 48	1 30	20 57	0 17	9 54	0 32	20 0	0 0	21 0	2 32	18 42	18 28	14 0	9 41	5 55
S 16	20 27	2s35	4 47	23 59	1 51	25 6	2 50	3 7	1 16	3 48	1 29	20 57	0 18	9 53	0 32	19 59	0s 0	21 0	2 32	18 43	18 29	14 2	9 41	5 54
M17	20 39	7 44	5 3	24 16	1 54	24 55	2 48	3 21	1 16	3 47	1 29	20 58	0 18	9 53	0 32	19 59	0 0	21 0	2 32	18 46	18 30	14 4	9 41	5 54
T 18	20 51	12 30	4 57	24 31	1 58	24 44	2 46	3 36	1 16	3 46	1 29	20 58	0 18	9 52	0 32	19 59	0 0	21 0	2 32	18 48	18 30	14 6	9 41	5 54
W19	21 3	16 29	4 30	24 45	2 2	24 32	2 44	3 51	1 16	3 46	1 28	20 59	0 18	9 51	0 32	19 58	0 0	21 0	2 32	18 51	18 31	14 8	9 40	5 53
T 20	21 14	19 19	3 44	24 58	2 5	24 20	2 41	4 5	1 15	3 45	1 28	20 59	0 18	9 51	0 32	19 58	0 0	21 0	2 32	18 53	18 32	14 9	9 40	5 53
F 21	21 25	20 47	2 43	25 10	2 7	24 7	2 39	4 20	1 15	3 44	1 28	21 0	0 18	9 50	0 32	19 58	0 0	21 0	2 32	18 54	18 33	14 11	9 40	5 52
S 22	21 35	20 47	1 33	25 20	2 10	23 54	2 36	4 34	1 15	3 43	1 28	21 0	0 18	9 50	0 32	19 58	0 0	21 0	2 32	18 55	18 34	14 13	9 40	5 52
S 23	21 45	19 26	0 18	25 28	2 12	23 40	2 33	4 49	1 15	3 41	1 27	21 1	0 18	9 49	0 32	19 57	0 0	21 0	2 32	18 55	18 34	14 15	9 40	5 52
M24	21 55	16 59	0s55	25 35	2 14	23 26	2 30	5 3	1 15	3 40	1 27	21 1	0 19	9 48	0 32	19 57	0 0	21 0	2 32	18 55	18 35	14 17	9 39	5 51
T 25	22 4	13 43	2 2	25 41	2 15	23 11	2 26	5 17	1 15	3 39	1 27	21 2	0 19	9 48	0 32	19 57	0 0	21 0	2 32	18 55	18 36	14 19	9 39	5 51
W26	22 13	9 54	3 2	25 45	2 16	22 56	2 23	5 32	1 15	3 38	1 26	21 3	0 19	9 47	0 32	19 56	0 0	21 0	2 32	18 55	18 37	14 21	9 39	5 51
T 27	22 21	5 44	3 51	25 47	2 16	22 40	2 19	5 46	1 15	3 36	1 26	21 3	0 19	9 47	0 32	19 56	0 0	21 0	2 32	18 55	18 38	14 22	9 39	5 50
F 28	22 29	1 27	4 28	25 48	2 16	22 24	2 15	6 0	1 15	3 35	1 26	21 4	0 19	9 46	0 32	19 55	0 0	21 0	2 32	18 56	18 38	14 24	9 38	5 50
S 29	22 36	2n51	4 53	25 47	2 15	22 7	2 11	6 14	1 14	3 33	1 25	21 5	0 19	9 46	0 32	19 55	0 0	21 0	2 32	18 57	18 39	14 26	9 38	5 50
S 30	22s43	6n59	5s 5	25s45	2s14	21s50	2s 7	6s28	1n14	3s31	1s25	21n 5	0n19	9n45	0s32	19s55	0s 0	21n 1	2s32	18n59	18n40	14n28	9s37	5n49

Julian Day Number = 2152357.5, Delta T = 14m03s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'07, Lahiri = 12°26'07 Julian Calendar 1 Nov. 1180 == Greg. Calendar 8 Nov. 1180

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ASTRODIENST EPHEMERIS for the year 1180
geocentric

DECEMBER 1180 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 6 45	16♐16'00	12♉32	3♑37	3♒ 0	20♎ 0	24♓30	27°R21	26°R25	1♒32	1°R36	5°R19	6♌42	25♉32	19♒ 9	M 1
T 2	5 10 41	17°17'08	24°24	5° 3	3°55	20°37	24°34	27♋18	26♈24	1°34	1♋35	5♌ 9	6°38	25°39	19°11	T 2
W 3	5 14 38	18°18'16	6♊17	6°28	4°49	21°14	24°38	27°15	26°23	1°36	1°34	4°59	6°35	25°46	19°14	W 3
T 4	5 18 35	19°19'25	18°12	7°50	5°42	21°50	24°43	27°12	26°21	1°38	1°33	4°50	6°32	25°52	19°16	T 4
F 5	5 22 31	20°20'34	0♋12	9°11	6°35	22°27	24°47	27° 8	26°20	1°40	1°31	4°44	6°29	25°59	19°19	F 5
S 6	5 26 28	21°21'44	12°18	10°29	7°27	23° 4	24°52	27° 5	26°19	1°41	1°30	4°39	6°26	26° 6	19°21	S 6
S 7	5 30 24	22°22'53	24°31	11°44	8°18	23°41	24°57	27° 1	26°18	1°43	1°29	4°36	6°23	26°13	19°24	S 7
M 8	5 34 21	23°24'04	6♌53	12°55	9° 9	24°17	25° 2	26°58	26°17	1°45	1°28	4°D36	6°19	26°19	19°27	M 8
T 9	5 38 17	24°25'14	19°28	14° 2	9°58	24°54	25° 7	26°54	26°16	1°47	1°27	4°36	6°16	26°26	19°29	T 9
W10	5 42 14	25°26'25	2♍17	15° 4	10°47	25°31	25°12	26°50	26°15	1°49	1°25	4°38	6°13	26°33	19°32	W10
T 11	5 46 10	26°27'36	15°24	16° 1	11°35	26° 7	25°18	26°46	26°14	1°51	1°24	4°39	6°10	26°39	19°35	T 11
F 12	5 50 7	27°28'48	28°51	16°51	12°22	26°44	25°24	26°43	26°13	1°53	1°23	4°R40	6° 7	26°46	19°38	F 12
S 13	5 54 4	28°30'00	12♎42	17°34	13° 8	27°21	25°30	26°39	26°12	1°55	1°22	4°39	6° 4	26°53	19°41	S 13
S 14	5 58 0	29°31'12	26°56	18° 9	13°54	27°57	25°36	26°35	26°12	1°57	1°20	4°37	6° 0	27° 0	19°44	S 14
M15	6 1 57	0♑32'25	11♏31	18°35	14°38	28°34	25°42	26°30	26°11	1°59	1°19	4°33	5°57	27° 6	19°47	M15
T 16	6 5 53	1°33'38	26°23	18°51	15°21	29°10	25°49	26°26	26°10	2° 1	1°18	4°28	5°54	27°13	19°50	T 16
W17	6 9 50	2°34'51	11♐25	18°R57	16° 3	29°47	25°55	26°22	26°10	2° 3	1°17	4°23	5°51	27°20	19°53	W17
T 18	6 13 46	3°36'04	26°28	18°50	16°43	0♏23	26° 2	26°18	26° 9	2° 5	1°15	4°18	5°48	27°26	19°56	T 18
F 19	6 17 43	4°37'17	11♑23	18°33	17°23	0°59	26° 9	26°13	26° 9	2° 7	1°14	4°15	5°44	27°33	19°59	F 19
S 20	6 21 40	5°38'30	26° 0	18° 3	18° 1	1°36	26°16	26° 9	26° 8	2° 9	1°13	4°14	5°41	27°40	20° 3	S 20
S 21	6 25 36	6°39'42	10♒14	17°22	18°38	2°12	26°24	26° 4	26° 8	2°11	1°12	4°D13	5°38	27°47	20° 6	S 21
M22	6 29 33	7°40'54	24° 2	16°30	19°14	2°48	26°31	26° 0	26° 7	2°13	1°10	4°14	5°35	27°53	20° 9	M22
T 23	6 33 29	8°42'05	7♓24	15°28	19°48	3°25	26°39	25°55	26° 7	2°15	1° 9	4°16	5°32	28° 0	20°13	T 23
W24	6 37 26	9°43'15	20°20	14°19	20°21	4° 1	26°47	25°51	26° 7	2°17	1° 8	4°18	5°29	28° 7	20°16	W24
T 25	6 41 22	10°44'25	2♈54	13° 4	20°52	4°37	26°55	25°46	26° 7	2°20	1° 7	4°19	5°25	28°13	20°19	T 25
F 26	6 45 19	11°45'34	15°11	11°46	21°22	5°13	27° 3	25°41	26° 7	2°22	1° 5	4°R19	5°22	28°20	20°23	F 26
S 27	6 49 15	12°46'42	27°15	10°27	21°50	5°49	27°11	25°37	26° 7	2°24	1° 4	4°18	5°19	28°27	20°26	S 27
S 28	6 53 12	13°47'50	9♉10	9° 9	22°16	6°25	27°19	25°32	26°D 7	2°26	1° 3	4°16	5°16	28°34	20°30	S 28
M29	6 57 9	14°48'56	21° 1	7°56	22°40	7° 1	27°28	25°27	26° 7	2°28	1° 2	4°14	5°13	28°40	20°33	M29
T 30	7 1 5	15°50'02	2♊53	6°48	23° 3	7°37	27°36	25°22	26° 7	2°30	1° 1	4°11	5°10	28°47	20°37	T 30
W31	7 5 2	16♑51'07	14♊47	5♑48	23♒23	8♏13	27♓45	25♋18	26♈ 7	2♒33	0♋59	4♌ 8	5♌ 6	28♉54	20♒41	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s50	10n50	5s 4	25s41	2s12	21s33	2s 2	6s42	1n14	3s29	1s25	21n 6	0n20	9n45	0s32	19s54	0s 0	21n 1	2s31	19n 1	18n41	14n30	9s37	5n49
T 2	22 56	14 16	4 50	25 36	2 9	21 16	1 57	6 57	1 14	3 28	1 25	21 7	0 20	9 44	0 31	19 54	0 0	21 1	2 31	19 4	18 42	14 32	9 37	5 49
W 3	23 2	17 8	4 23	25 29	2 6	20 58	1 52	7 10	1 14	3 26	1 24	21 7	0 20	9 44	0 31	19 54	0 0	21 1	2 31	19 6	18 42	14 33	9 36	5 48
T 4	23 7	19 18	3 44	25 20	2 2	20 39	1 47	7 24	1 14	3 24	1 24	21 8	0 20	9 44	0 31	19 53	0 0	21 1	2 31	19 8	18 43	14 35	9 36	5 48
F 5	23 11	20 38	2 55	25 10	1 57	20 21	1 42	7 38	1 14	3 22	1 24	21 9	0 20	9 43	0 31	19 53	0 0	21 1	2 31	19 10	18 44	14 37	9 35	5 47
S 6	23 16	21 1	1 58	24 59	1 51	20 2	1 36	7 52	1 13	3 20	1 23	21 10	0 20	9 43	0 31	19 52	0 0	21 1	2 31	19 11	18 45	14 39	9 35	5 47
S 7	23 19	20 25	0 54	24 46	1 45	19 43	1 30	8 6	1 13	3 17	1 23	21 11	0 20	9 42	0 31	19 52	0 0	21 1	2 31	19 12	18 46	14 41	9 34	5 47
M 8	23 23	18 50	0n12	24 32	1 37	19 24	1 24	8 19	1 13	3 15	1 23	21 11	0 20	9 42	0 31	19 52	0 0	21 1	2 31	19 12	18 46	14 43	9 34	5 47
T 9	23 26	16 19	1 20	24 16	1 29	19 4	1 18	8 33	1 13	3 13	1 23	21 12	0 21	9 42	0 31	19 51	0 0	21 1	2 31	19 12	18 47	14 44	9 33	5 46
W10	23 28	12 58	2 25	24 0	1 19	18 44	1 11	8 47	1 13	3 10	1 22	21 13	0 21	9 41	0 31	19 51	0 0	21 1	2 31	19 11	18 48	14 46	9 33	5 46
T 11	23 30	8 55	3 24	23 42	1 8	18 24	1 4	9 0	1 13	3 8	1 22	21 14	0 21	9 41	0 31	19 50	0 0	21 1	2 31	19 11	18 49	14 48	9 32	5 46
F 12	23 31	4 19	4 13	23 24	0 56	18 4	0 57	9 14	1 12	3 5	1 22	21 15	0 21	9 41	0 31	19 50	0 0	21 1	2 31	19 11	18 50	14 50	9 32	5 45
S 13	23 32	0s36	4 49	23 6	0 43	17 44	0 49	9 27	1 12	3 3	1 21	21 16	0 21	9 41	0 31	19 50	0 0	21 1	2 31	19 11	18 50	14 52	9 31	5 45
S 14	23 33	5 37	5 9	22 47	0 29	17 24	0 42	9 40	1 12	3 0	1 21	21 17	0 21	9 40	0 31	19 49	0 0	21 1	2 31	19 12	18 51	14 54	9 30	5 45
M15	23 33	10 27	5 9	22 28	0 14	17 3	0 34	9 53	1 12	2 57	1 21	21 18	0 21	9 40	0 31	19 49	0 0	21 1	2 31	19 13	18 52	14 55	9 30	5 44
T 16	23 32	14 44	4 49	22 10	0n 3	16 43	0 26	10 7	1 12	2 54	1 21	21 19	0 21	9 40	0 31	19 48	0 0	21 2	2 31	19 14	18 53	14 57	9 29	5 44
W17	23 31	18 8	4 9	21 52	0 20	16 22	0 17	10 20	1 11	2 51	1 20	21 19	0 22	9 40	0 31	19 48	0 0	21 2	2 31	19 15	18 54	14 59	9 28	5 44
T 18	23 30	20 18	3 12	21 34	0 39	16 2	0 8	10 33	1 11	2 48	1 20	21 20	0 22	9 40	0 31	19 47	0 0	21 2	2 31	19 16	18 54	15 1	9 28	5 43
F 19	23 28	21 2	2 2	21 18	0 58	15 41	0n 1	10 46	1 11	2 45	1 20	21 21	0 22	9 39	0 31	19 47	0 0	21 2	2 31	19 17	18 55	15 3	9 27	5 43
S 20	23 25	20 18	0 45	21 3	1 17	15 20	0 10	10 59	1 11	2 42	1 20	21 22	0 22	9 39	0 31	19 46	0 0	21 2	2 30	19 17	18 56	15 4	9 26	5 43
S 21	23 23	18 17	0s33	20 49	1 36	15 0	0 19	11 11	1 10	2 39	1 19	21 23	0 22	9 39	0 31	19 46	0 0	21 2	2 30	19 17	18 57	15 6	9 25	5 43
M22	23 19	15 15	1 47	20 37	1 55	14 39	0 29	11 24	1 10	2 36	1 19	21 24	0 22	9 39	0 31	19 45	0 0	21 2	2 30	19 17	18 57	15 8	9 25	5 42
T 23	23 15	11 30	2 52	20 26	2 13	14 19	0 39	11 37	1 10	2 33	1 19	21 25	0 22	9 39	0 31	19 45	0 0	21 2	2 30	19 17	18 58	15 10	9 24	5 42
W24	23 11	7 19	3 47	20 17	2 30	13 59	0 50	11 49	1 10	2 29	1 19	21 26	0 22	9 39	0 31	19 45	0 0	21 2	2 30	19 16	18 59	15 12	9 23	5 42
T 25	23 6	2 57	4 29	20 9	2 45	13 39	1 0	12 2	1 9	2 26	1 18	21 27	0 23	9 39	0 31	19 44	0 0	21 2	2 30	19 16	19 0	15 13	9 22	5 42
F 26	23 1	1n26	4 58	20 4	2 58	13 19	1 11	12 14	1 9	2 22	1 18	21 28	0 23	9 39	0 31	19 44	0 0	21 2	2 30	19 16	19 1	15 15	9 21	5 41
S 27	22 56	5 40	5 13	19 59	3 9	12 59	1 23	12 26	1 9	2 19	1 18	21 29	0 23	9 39	0 31	19 43	0 0	21 2	2 30	19 16	19 1	15 17	9 21	5 41
S 28	22 50	9 39	5 14	19 56	3 18	12 40	1 34	12 38	1 9	2 15	1 18	21 30	0 23	9 39	0 31	19 43	0 0	21 2	2 30	19 16	19 2	15 19	9 20	5 41
M29	22 43	13 14	5 2	19 55	3 24	12 21	1 46	12 50	1 8	2 12	1 17	21 31	0 23	9 39	0 31	19 42	0 0	21 3	2 30	19 17	19 3	15 21	9 19	5 41
T 30	22 36	16 18	4 37	19 55	3 27	12 2	1 58	13 3	1 8	2 8	1 17	21 32	0 23	9 39	0 31	19 42	0 1	21 3	2 30	19 18	19 4	15 22	9 18	5 40
W31	22s29	18n42	3s59	19s57	3n28	11s44	2n11	13s14	1n 8	2s 4	1s17	21n33	0n23	9n39	0s31	19s41	0s 1	21n 3	2s30	19n19	19n 4	15n24	9s17	5n40

Julian Day Number = 2152387.5, Delta T = 14m03s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'11, Lahiri = 12°26'11 Julian Calendar 1 Dec. 1180 == Greg. Calendar 8 Dec. 1180

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

JANUARY 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 58	17♉52'12	26♊48	4°R55	23♒42	8♏49	27♓54	25°R13	26♈ 7	2♒35	0°R58	4°R 5	5♌ 3	29♉ 0	20♒44	T 1
F 2	7 12 55	18°53'15	8♋56	4♉12	23°58	9°25	28° 3	25♋ 8	26° 7	2°37	0♋57	4♌ 3	5° 0	29° 7	20°48	F 2
S 3	7 16 51	19°54'18	21°15	3°38	24°13	10° 1	28°12	25° 3	26° 7	2°39	0°56	4° 2	4°57	29°14	20°52	S 3
S 4	7 20 48	20°55'20	3♌43	3°14	24°25	10°36	28°22	24°58	26° 8	2°42	0°55	4°D 1	4°54	29°21	20°55	S 4
M 5	7 24 44	21°56'21	16°24	2°58	24°35	11°12	28°31	24°53	26° 8	2°44	0°53	4° 2	4°50	29°27	20°59	M 5
T 6	7 28 41	22°57'22	29°17	2°D51	24°43	11°48	28°41	24°48	26° 9	2°46	0°52	4° 2	4°47	29°34	21° 3	T 6
W 7	7 32 38	23°58'21	12♍23	2°52	24°48	12°23	28°51	24°43	26° 9	2°48	0°51	4° 3	4°44	29°41	21° 7	W 7
T 8	7 36 34	24°59'20	25°43	3° 1	24°51	12°59	29° 0	24°38	26°10	2°51	0°50	4° 4	4°41	29°47	21°10	T 8
F 9	7 40 31	26° 0'18	9♎18	3°16	24°R51	13°34	29°10	24°33	26°10	2°53	0°49	4° 5	4°38	29°54	21°14	F 9
S 10	7 44 27	27° 1'16	23° 7	3°39	24°49	14°10	29°20	24°28	26°11	2°55	0°48	4°R 5	4°35	0♊ 1	21°18	S 10
S 11	7 48 24	28° 2'13	7♏11	4° 7	24°45	14°45	29°31	24°24	26°12	2°57	0°47	4° 5	4°31	0° 7	21°22	S 11
M12	7 52 20	29° 3'09	21°28	4°41	24°38	15°21	29°41	24°19	26°12	3° 0	0°46	4° 5	4°28	0°14	21°26	M12
T 13	7 56 17	0♒ 4'04	5♐56	5°19	24°28	15°56	29°51	24°14	26°13	3° 2	0°45	4° 4	4°25	0°21	21°30	T 13
W14	8 0 13	1° 4'59	20°30	6° 2	24°16	16°31	0♈ 2	24° 9	26°14	3° 4	0°43	4° 4	4°22	0°28	21°34	W14
T 15	8 4 10	2° 5'52	5♉ 6	6°50	24° 2	17° 7	0°13	24° 4	26°15	3° 6	0°42	4° 4	4°19	0°34	21°38	T 15
F 16	8 8 7	3° 6'45	19°37	7°41	23°45	17°42	0°23	23°59	26°16	3° 9	0°41	4° 4	4°16	0°41	21°42	F 16
S 17	8 12 3	4° 7'36	3♒57	8°35	23°26	18°17	0°34	23°54	26°17	3°11	0°40	4° 4	4°12	0°48	21°46	S 17
S 18	8 16 0	5° 8'26	18° 1	9°32	23° 4	18°52	0°45	23°50	26°18	3°13	0°39	4° 4	4° 9	0°54	21°50	S 18
M19	8 19 56	6° 9'15	1♓46	10°33	22°40	19°27	0°56	23°45	26°19	3°16	0°38	4° 3	4° 6	1° 1	21°54	M19
T 20	8 23 53	7°10'02	15° 8	11°36	22°14	20° 2	1° 8	23°40	26°20	3°18	0°37	4° 3	4° 3	1° 8	21°58	T 20
W21	8 27 49	8°10'48	28° 8	12°41	21°46	20°37	1°19	23°35	26°22	3°20	0°36	4° 3	4° 0	1°15	22° 2	W21
T 22	8 31 46	9°11'32	10♈47	13°49	21°16	21°11	1°30	23°31	26°23	3°22	0°35	4° 2	3°56	1°21	22° 6	T 22
F 23	8 35 42	10°12'15	23° 8	14°58	20°44	21°46	1°42	23°26	26°24	3°25	0°35	4° 2	3°53	1°28	22°10	F 23
S 24	8 39 39	11°12'55	5♉15	16°10	20°11	22°21	1°53	23°21	26°26	3°27	0°34	4° 1	3°50	1°35	22°14	S 24
S 25	8 43 36	12°13'35	17°12	17°23	19°36	22°55	2° 5	23°17	26°27	3°29	0°33	4°D 1	3°47	1°41	22°18	S 25
M26	8 47 32	13°14'12	29° 4	18°38	19° 1	23°30	2°17	23°12	26°28	3°31	0°32	4° 2	3°44	1°48	22°22	M26
T 27	8 51 29	14°14'48	10♊56	19°55	18°24	24° 4	2°29	23° 8	26°30	3°34	0°31	4° 2	3°41	1°55	22°26	T 27
W28	8 55 25	15°15'21	22°52	21°13	17°47	24°39	2°41	23° 4	26°31	3°36	0°30	4° 4	3°37	2° 2	22°30	W28
T 29	8 59 22	16°15'54	4♋56	22°33	17° 9	25°13	2°53	22°59	26°33	3°38	0°29	4° 5	3°34	2° 8	22°35	T 29
F 30	9 3 18	17°16'24	17°11	23°53	16°32	25°47	3° 5	22°55	26°35	3°40	0°29	4° 6	3°31	2°15	22°39	F 30
S 31	9 7 15	18♒16'53	29♋41	25♉16	15♒54	26♏21	3♈17	22♋51	26♈36	3♒43	0♋28	4°R 6	3♌28	2♊22	22♒43	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s21	20n19	3s11	20s 0	3n27	11s26	2n23	13s26	1n 7	2s 0	1s17	21n34	0n23	9n39	0s31	19s41	0s 1	21n 3	2s30	19n19	19n 5	15n26	9s16	5n40
F 2	22 12	21 0	2 14	20 5	3 24	11 8	2 36	13 38	1 7	1 57	1 16	21 35	0 24	9 39	0 31	19 40	0 1	21 3	2 30	19 20	19 6	15 28	9 15	5 40
S 3	22 4	20 42	1 10	20 10	3 19	10 51	2 49	13 50	1 7	1 53	1 16	21 36	0 24	9 39	0 30	19 40	0 1	21 3	2 29	19 20	19 7	15 29	9 14	5 40
S 4	21 54	19 23	0 2	20 17	3 13	10 34	3 2	14 1	1 6	1 49	1 16	21 37	0 24	9 40	0 30	19 39	0 1	21 3	2 29	19 20	19 8	15 31	9 13	5 39
M 5	21 45	17 4	1n 8	20 24	3 6	10 18	3 16	14 13	1 6	1 45	1 16	21 38	0 24	9 40	0 30	19 39	0 1	21 3	2 29	19 20	19 8	15 33	9 12	5 39
T 6	21 35	13 53	2 15	20 33	2 58	10 3	3 30	14 24	1 6	1 41	1 15	21 39	0 24	9 40	0 30	19 38	0 1	21 3	2 29	19 20	19 9	15 35	9 11	5 39
W 7	21 24	9 58	3 17	20 42	2 49	9 48	3 44	14 35	1 5	1 37	1 15	21 40	0 24	9 40	0 30	19 38	0 1	21 3	2 29	19 20	19 10	15 36	9 10	5 39
T 8	21 14	5 31	4 9	20 51	2 40	9 34	3 58	14 46	1 5	1 33	1 15	21 41	0 24	9 40	0 30	19 37	0 1	21 3	2 29	19 19	19 11	15 38	9 9	5 39
F 9	21 2	0 43	4 48	21 1	2 30	9 20	4 12	14 57	1 4	1 28	1 15	21 42	0 24	9 41	0 30	19 37	0 1	21 4	2 29	19 19	19 11	15 40	9 8	5 38
S 10	20 51	4s12	5 11	21 10	2 19	9 7	4 26	15 8	1 4	1 24	1 15	21 43	0 24	9 41	0 30	19 36	0 1	21 4	2 29	19 19	19 12	15 42	9 7	5 38
S 11	20 39	8 59	5 17	21 20	2 9	8 55	4 41	15 19	1 4	1 20	1 14	21 44	0 24	9 41	0 30	19 36	0 1	21 4	2 29	19 19	19 13	15 44	9 6	5 38
M12	20 26	13 20	5 3	21 30	1 58	8 44	4 55	15 30	1 3	1 16	1 14	21 45	0 25	9 42	0 30	19 35	0 1	21 4	2 29	19 19	19 14	15 45	9 5	5 38
T 13	20 13	16 58	4 30	21 39	1 47	8 33	5 9	15 41	1 3	1 11	1 14	21 46	0 25	9 42	0 30	19 35	0 1	21 4	2 29	19 19	19 14	15 47	9 4	5 38
W14	20 0	19 34	3 39	21 48	1 37	8 24	5 24	15 51	1 2	1 7	1 14	21 47	0 25	9 42	0 30	19 34	0 1	21 4	2 29	19 19	19 15	15 49	9 3	5 38
T 15	19 47	20 53	2 34	21 56	1 26	8 15	5 38	16 2	1 2	1 2	1 14	21 48	0 25	9 43	0 30	19 34	0 1	21 4	2 28	19 19	19 16	15 51	9 2	5 37
F 16	19 33	20 48	1 19	22 4	1 16	8 8	5 52	16 12	1 2	0 58	1 13	21 49	0 25	9 43	0 30	19 33	0 1	21 4	2 28	19 19	19 17	15 52	9 1	5 37
S 17	19 19	19 20	0 1	22 11	1 5	8 1	6 5	16 22	1 1	0 53	1 13	21 50	0 25	9 43	0 30	19 33	0 1	21 4	2 28	19 20	19 17	15 54	8 59	5 37
S 18	19 4	16 43	1s17	22 17	0 55	7 55	6 19	16 32	1 1	0 49	1 13	21 51	0 25	9 44	0 30	19 32	0 1	21 4	2 28	19 20	19 18	15 56	8 58	5 37
M19	18 49	13 12	2 28	22 23	0 45	7 50	6 32	16 42	1 0	0 44	1 13	21 52	0 25	9 44	0 30	19 31	0 1	21 4	2 28	19 20	19 19	15 58	8 57	5 37
T 20	18 34	9 5	3 29	22 28	0 35	7 46	6 45	16 52	1 0	0 40	1 13	21 53	0 25	9 45	0 30	19 31	0 1	21 5	2 28	19 20	19 20	15 59	8 56	5 37
W21	18 18	4 40	4 17	22 31	0 25	7 44	6 57	17 2	0 59	0 35	1 12	21 54	0 25	9 45	0 30	19 30	0 1	21 5	2 28	19 20	19 20	16 1	8 55	5 37
T 22	18 2	0 11	4 52	22 34	0 15	7 42	7 9	17 12	0 59	0 30	1 12	21 54	0 26	9 46	0 30	19 30	0 1	21 5	2 28	19 20	19 21	16 3	8 54	5 37
F 23	17 46	4n12	5 11	22 36	0 6	7 41	7 20	17 21	0 58	0 25	1 12	21 55	0 26	9 46	0 30	19 29	0 1	21 5	2 28	19 20	19 22	16 4	8 52	5 36
S 24	17 29	8 21	5 17	22 37	0s 3	7 42	7 30	17 31	0 58	0 21	1 12	21 56	0 26	9 47	0 30	19 29	0 1	21 5	2 28	19 20	19 23	16 6	8 51	5 36
S 25	17 12	12 6	5 9	22 36	0 12	7 43	7 40	17 40	0 57	0 16	1 12	21 57	0 26	9 47	0 30	19 28	0 1	21 5	2 27	19 20	19 23	16 8	8 50	5 36
M26	16 55	15 22	4 47	22 35	0 20	7 45	7 49	17 49	0 56	0 11	1 12	21 58	0 26	9 48	0 30	19 28	0 1	21 5	2 27	19 20	19 24	16 10	8 49	5 36
T 27	16 38	17 59	4 14	22 32	0 29	7 48	7 57	17 58	0 56	0 6	1 11	21 59	0 26	9 48	0 30	19 27	0 1	21 5	2 27	19 20	19 25	16 11	8 48	5 36
W28	16 20	19 52	3 29	22 28	0 37	7 53	8 4	18 7	0 55	0 1	1 11	22 0	0 26	9 49	0 30	19 27	0 1	21 5	2 27	19 20	19 26	16 13	8 46	5 36
T 29	16 2	20 53	2 35	22 23	0 44	7 58	8 11	18 16	0 55	0n 4	1 11	22 0	0 26	9 50	0 30	19 26	0 1	21 6	2 27	19 19	19 26	16 15	8 45	5 36
F 30	15 44	20 54	1 32	22 16	0 52	8 3	8 16	18 25	0 54	0 9	1 11	22 1	0 26	9 50	0 30	19 26	0 1	21 6	2 27	19 19	19 27	16 17	8 44	5 36
S 31	15s25	19n54	0s24	22s 8	0s59	8s10	8n21	18s33	0n54	0n14	1s11	22n 2	0n26	9n51	0s30	19s25	0s 1	21n 6	2s27	19n19	19n28	16n18	8s43	5n36

Julian Day Number = 2152418.5, Delta T = 14m03s
Ecliptic obliquity = 23°32'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'15, Lahiri = 12°26'16 Julian Calendar 1 Jan. 1181 == Greg. Calendar 8 Jan. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

FEBRUARY 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 11	19♒17'19	12♌27	26♉39	15°R17	26♏55	3♈29	22°R47	26♈38	3♒45	0°R27	4°R 6	3♌25	2♊28	22♒47	S 1
M 2	9 15 8	20°17'45	25°29	28° 4	14♒41	27°29	3°42	22♋43	26°40	3°47	0♋26	4♌ 5	3°22	2°35	22°51	M 2
T 3	9 19 5	21°18'08	8♍46	29°29	14° 6	28° 3	3°54	22°39	26°42	3°49	0°25	4° 3	3°18	2°42	22°55	T 3
W 4	9 23 1	22°18'30	22°19	0♒56	13°32	28°37	4° 6	22°35	26°44	3°51	0°25	4° 1	3°15	2°48	22°59	W 4
T 5	9 26 58	23°18'50	6♎ 4	2°24	12°59	29°11	4°19	22°31	26°46	3°54	0°24	3°58	3°12	2°55	23° 4	T 5
F 6	9 30 54	24°19'09	19°59	3°53	12°27	29°45	4°32	22°27	26°47	3°56	0°23	3°56	3° 9	3° 2	23° 8	F 6
S 7	9 34 51	25°19'26	4♏ 1	5°24	11°58	0♐18	4°44	22°23	26°49	3°58	0°23	3°53	3° 6	3° 9	23°12	S 7
S 8	9 38 47	26°19'42	18° 9	6°55	11°30	0°52	4°57	22°19	26°52	4° 0	0°22	3°52	3° 2	3°15	23°16	S 8
M 9	9 42 44	27°19'56	2♐19	8°27	11° 5	1°25	5°10	22°16	26°54	4° 2	0°21	3°D52	2°59	3°22	23°20	M 9
T 10	9 46 40	28°20'09	16°30	10° 1	10°41	1°58	5°23	22°12	26°56	4° 4	0°21	3°53	2°56	3°29	23°24	T 10
W11	9 50 37	29°20'20	0♑41	11°35	10°20	2°31	5°36	22° 9	26°58	4° 7	0°20	3°54	2°53	3°35	23°28	W11
T 12	9 54 34	0♓20'30	14°48	13°11	10° 2	3° 5	5°49	22° 6	27° 0	4° 9	0°20	3°56	2°50	3°42	23°32	T 12
F 13	9 58 30	1°20'38	28°49	14°48	9°45	3°38	6° 2	22° 2	27° 2	4°11	0°19	3°R57	2°47	3°49	23°37	F 13
S 14	10 2 27	2°20'45	12♒42	16°26	9°31	4°10	6°15	21°59	27° 5	4°13	0°19	3°57	2°43	3°55	23°41	S 14
S 15	10 6 23	3°20'49	26°23	18° 4	9°20	4°43	6°28	21°56	27° 7	4°15	0°18	3°55	2°40	4° 2	23°45	S 15
M16	10 10 20	4°20'52	9♓51	19°44	9°11	5°16	6°42	21°53	27° 9	4°17	0°18	3°52	2°37	4° 9	23°49	M16
T 17	10 14 16	5°20'52	23° 3	21°25	9° 5	5°48	6°55	21°50	27°12	4°19	0°17	3°47	2°34	4°16	23°53	T 17
W18	10 18 13	6°20'51	5♈57	23° 7	9° 0	6°21	7° 9	21°47	27°14	4°21	0°17	3°42	2°31	4°22	23°57	W18
T 19	10 22 9	7°20'48	18°34	24°51	8°D59	6°53	7°22	21°45	27°17	4°23	0°17	3°36	2°27	4°29	24° 1	T 19
F 20	10 26 6	8°20'42	0♉56	26°35	9° 0	7°25	7°35	21°42	27°19	4°25	0°16	3°30	2°24	4°36	24° 5	F 20
S 21	10 30 2	9°20'34	13° 3	28°21	9° 3	7°57	7°49	21°40	27°22	4°27	0°16	3°26	2°21	4°42	24° 9	S 21
S 22	10 33 59	10°20'24	25° 1	0♓ 7	9° 8	8°29	8° 3	21°37	27°24	4°29	0°15	3°23	2°18	4°49	24°13	S 22
M23	10 37 56	11°20'12	6♊53	1°55	9°16	9° 1	8°16	21°35	27°27	4°31	0°15	3°D21	2°15	4°56	24°17	M23
T 24	10 41 52	12°19'57	18°45	3°45	9°26	9°33	8°30	21°33	27°30	4°33	0°15	3°21	2°12	5° 3	24°21	T 24
W25	10 45 49	13°19'40	0♋40	5°35	9°38	10° 4	8°44	21°31	27°32	4°35	0°15	3°23	2° 8	5° 9	24°25	W25
T 26	10 49 45	14°19'21	12°45	7°26	9°52	10°36	8°57	21°29	27°35	4°36	0°14	3°24	2° 5	5°16	24°29	T 26
F 27	10 53 42	15°19'00	25° 3	9°19	10° 8	11° 7	9°11	21°27	27°38	4°38	0°14	3°26	2° 2	5°23	24°33	F 27
S 28	10 57 38	16♓18'36	7♌39	11♓13	10♒27	11♐38	9♈25	21♋25	27♈40	4♒40	0♋14	3°R26	1♌59	5♊29	24♒37	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 6	17n53	0n46	21s59	1s 6	8s17	8n24	18s42	0n53	0n19	1s11	22n 3	0n26	9n51	0s30	19s25	0s 1	21n 6	2s27	19n19	19n29	16n20	8s41	5n36
M 2	14 47	14 54	1 55	21 49	1 12	8 25	8 27	18 50	0 52	0 24	1 10	22 4	0 27	9 52	0 30	19 24	0 1	21 6	2 27	19 19	19 29	16 22	8 40	5 36
T 3	14 28	11 6	3 0	21 37	1 18	8 33	8 28	18 59	0 52	0 29	1 10	22 4	0 27	9 53	0 29	19 24	0 1	21 6	2 27	19 20	19 30	16 23	8 39	5 36
W 4	14 8	6 40	3 56	21 24	1 24	8 42	8 29	19 7	0 51	0 34	1 10	22 5	0 27	9 54	0 29	19 23	0 1	21 6	2 26	19 20	19 31	16 25	8 37	5 36
T 5	13 48	1 51	4 38	21 10	1 30	8 51	8 29	19 15	0 50	0 39	1 10	22 6	0 27	9 54	0 29	19 23	0 1	21 6	2 26	19 21	19 32	16 27	8 36	5 36
F 6	13 28	3s 8	5 6	20 54	1 35	9 1	8 27	19 23	0 50	0 44	1 10	22 6	0 27	9 55	0 29	19 22	0 1	21 6	2 26	19 21	19 32	16 28	8 35	5 36
S 7	13 8	7 58	5 15	20 37	1 40	9 11	8 25	19 30	0 49	0 50	1 10	22 7	0 27	9 56	0 29	19 22	0 1	21 6	2 26	19 22	19 33	16 30	8 34	5 36
S 8	12 48	12 25	5 5	20 18	1 44	9 21	8 23	19 38	0 48	0 55	1 9	22 8	0 27	9 56	0 29	19 21	0 1	21 7	2 26	19 22	19 34	16 32	8 32	5 36
M 9	12 27	16 11	4 37	19 59	1 49	9 31	8 19	19 46	0 47	1 0	1 9	22 8	0 27	9 57	0 29	19 21	0 1	21 7	2 26	19 22	19 35	16 34	8 31	5 36
T 10	12 6	19 1	3 52	19 37	1 53	9 41	8 15	19 53	0 47	1 5	1 9	22 9	0 27	9 58	0 29	19 20	0 1	21 7	2 26	19 22	19 35	16 35	8 30	5 36
W11	11 45	20 40	2 53	19 14	1 56	9 52	8 9	20 0	0 46	1 11	1 9	22 10	0 27	9 59	0 29	19 20	0 1	21 7	2 26	19 22	19 36	16 37	8 28	5 36
T 12	11 24	21 0	1 43	18 50	1 59	10 2	8 4	20 8	0 45	1 16	1 9	22 10	0 27	10 0	0 29	19 19	0 1	21 7	2 26	19 21	19 37	16 39	8 27	5 36
F 13	11 3	20 2	0 28	18 24	2 2	10 12	7 57	20 15	0 44	1 21	1 9	22 11	0 27	10 1	0 29	19 19	0 1	21 7	2 25	19 21	19 37	16 40	8 26	5 36
S 14	10 41	17 50	0s48	17 57	2 4	10 23	7 51	20 22	0 43	1 27	1 9	22 12	0 27	10 1	0 29	19 18	0 1	21 7	2 25	19 21	19 38	16 42	8 24	5 36
S 15	10 19	14 39	2 0	17 29	2 6	10 33	7 43	20 29	0 43	1 32	1 9	22 12	0 28	10 2	0 29	19 18	0 1	21 7	2 25	19 22	19 39	16 44	8 23	5 36
M16	9 57	10 45	3 4	16 59	2 8	10 42	7 36	20 35	0 42	1 37	1 8	22 13	0 28	10 3	0 29	19 17	0 1	21 7	2 25	19 22	19 40	16 45	8 22	5 36
T 17	9 35	6 23	3 57	16 27	2 9	10 52	7 27	20 42	0 41	1 43	1 8	22 13	0 28	10 4	0 29	19 17	0 1	21 8	2 25	19 23	19 40	16 47	8 20	5 36
W18	9 13	1 51	4 36	15 54	2 9	11 1	7 19	20 48	0 40	1 48	1 8	22 14	0 28	10 5	0 29	19 16	0 1	21 8	2 25	19 25	19 41	16 49	8 19	5 36
T 19	8 51	2n40	5 1	15 20	2 10	11 10	7 10	20 55	0 39	1 54	1 8	22 14	0 28	10 6	0 29	19 16	0 1	21 8	2 25	19 26	19 42	16 50	8 17	5 36
F 20	8 29	6 59	5 11	14 44	2 10	11 19	7 1	21 1	0 38	1 59	1 8	22 15	0 28	10 7	0 29	19 16	0 1	21 8	2 25	19 27	19 43	16 52	8 16	5 36
S 21	8 6	10 57	5 7	14 7	2 9	11 27	6 52	21 7	0 37	2 5	1 8	22 15	0 28	10 8	0 29	19 15	0 1	21 8	2 25	19 28	19 43	16 54	8 15	5 36
S 22	7 43	14 25	4 50	13 28	2 8	11 35	6 42	21 13	0 36	2 10	1 8	22 16	0 28	10 9	0 29	19 15	0 1	21 8	2 24	19 29	19 44	16 55	8 13	5 36
M23	7 21	17 17	4 20	12 48	2 6	11 42	6 33	21 19	0 35	2 16	1 8	22 16	0 28	10 10	0 29	19 14	0 1	21 8	2 24	19 29	19 45	16 57	8 12	5 36
T 24	6 58	19 26	3 39	12 6	2 4	11 49	6 23	21 25	0 34	2 21	1 7	22 16	0 28	10 11	0 29	19 14	0 1	21 8	2 24	19 29	19 45	16 59	8 11	5 36
W25	6 35	20 44	2 49	11 23	2 2	11 55	6 13	21 31	0 33	2 27	1 7	22 17	0 28	10 12	0 29	19 13	0 1	21 9	2 24	19 29	19 46	17 0	8 9	5 36
T 26	6 12	21 6	1 50	10 39	1 58	12 1	6 3	21 36	0 32	2 32	1 7	22 17	0 28	10 13	0 29	19 13	0 1	21 9	2 24	19 29	19 47	17 2	8 8	5 36
F 27	5 49	20 28	0 45	9 53	1 55	12 7	5 53	21 42	0 31	2 38	1 7	22 18	0 28	10 14	0 29	19 12	0 1	21 9	2 24	19 28	19 48	17 3	8 7	5 36
S 28	5s25	18n48	0n23	9s 6	1s51	12s12	5n43	21s47	0n30	2n43	1s 7	22n18	0n28	10n15	0s29	19s12	0s 1	21n 9	2s24	19n28	19n48	17n 5	8s 5	5n36

Julian Day Number = 2152449.5, Delta T = 14m03s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'19, Lahiri = 12°26'20 Julian Calendar 1 Feb. 1181 == Greg. Calendar 8 Feb. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

MARCH 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 35	17♓18'11	20♌36	13♓ 8	10♒47	12♐ 9	9♈39	21°R23	27♈43	4♒42	0°R14	3°R24	1♌56	5♊36	24♒41	S 1
M 2	11 5 31	18°17'42	3♍55	15° 4	11° 9	12°40	9°53	21♋21	27°46	4°44	0♋14	3♌21	1°53	5°43	24°45	M 2
T 3	11 9 28	19°17'12	17°36	17° 1	11°32	13°11	10° 7	21°20	27°49	4°45	0°14	3°15	1°49	5°49	24°48	T 3
W 4	11 13 25	20°16'40	1♎35	19° 0	11°58	13°41	10°21	21°19	27°52	4°47	0°14	3° 8	1°46	5°56	24°52	W 4
T 5	11 17 21	21°16'05	15°49	20°59	12°25	14°12	10°35	21°17	27°55	4°49	0°13	3° 0	1°43	6° 3	24°56	T 5
F 6	11 21 18	22°15'29	0♏12	23° 0	12°54	14°42	10°49	21°16	27°58	4°51	0°13	2°53	1°40	6° 9	25° 0	F 6
S 7	11 25 14	23°14'51	14°39	25° 1	13°24	15°12	11° 3	21°15	28° 1	4°52	0°D13	2°46	1°37	6°16	25° 4	S 7
S 8	11 29 11	24°14'11	29° 3	27° 3	13°56	15°42	11°17	21°14	28° 4	4°54	0°13	2°41	1°33	6°23	25° 7	S 8
M 9	11 33 7	25°13'29	13♐20	29° 5	14°29	16°12	11°31	21°13	28° 7	4°56	0°13	2°39	1°30	6°30	25°11	M 9
T 10	11 37 4	26°12'46	27°29	1♈ 8	15° 3	16°41	11°45	21°12	28°10	4°57	0°13	2°D38	1°27	6°36	25°15	T 10
W11	11 41 0	27°12'01	11♉28	3°11	15°39	17°11	11°59	21°12	28°13	4°59	0°14	2°39	1°24	6°43	25°18	W11
T 12	11 44 57	28°11'14	25°16	5°13	16°16	17°40	12°14	21°11	28°16	5° 0	0°14	2°40	1°21	6°50	25°22	T 12
F 13	11 48 54	29°10'25	8♒53	7°16	16°54	18° 9	12°28	21°11	28°19	5° 2	0°14	2°R40	1°18	6°56	25°26	F 13
S 14	11 52 50	0♈ 9'34	22°20	9°18	17°34	18°38	12°42	21°11	28°22	5° 3	0°14	2°38	1°14	7° 3	25°29	S 14
S 15	11 56 47	1° 8'42	5♓36	11°18	18°14	19° 6	12°56	21°10	28°25	5° 5	0°14	2°34	1°11	7°10	25°33	S 15
M16	12 0 43	2° 7'47	18°41	13°18	18°56	19°34	13°11	21°D10	28°28	5° 6	0°14	2°27	1° 8	7°16	25°36	M16
T 17	12 4 40	3° 6'51	1♈35	15°16	19°39	20° 3	13°25	21°10	28°32	5° 8	0°14	2°17	1° 5	7°23	25°40	T 17
W18	12 8 36	4° 5'52	14°15	17°11	20°22	20°31	13°39	21°10	28°35	5° 9	0°15	2° 6	1° 2	7°30	25°43	W18
T 19	12 12 33	5° 4'51	26°43	19° 4	21° 7	20°58	13°54	21°11	28°38	5°10	0°15	1°55	0°58	7°37	25°47	T 19
F 20	12 16 29	6° 3'48	8♉58	20°55	21°52	21°26	14° 8	21°11	28°41	5°12	0°15	1°43	0°55	7°43	25°50	F 20
S 21	12 20 26	7° 2'43	21° 3	22°42	22°39	21°53	14°22	21°12	28°45	5°13	0°16	1°34	0°52	7°50	25°53	S 21
S 22	12 24 22	8° 1'36	2♊59	24°26	23°26	22°20	14°37	21°12	28°48	5°14	0°16	1°26	0°49	7°57	25°57	S 22
M23	12 28 19	9° 0'26	14°50	26° 5	24°14	22°47	14°51	21°13	28°51	5°16	0°16	1°20	0°46	8° 3	26° 0	M23
T 24	12 32 16	9°59'15	26°39	27°41	25° 3	23°13	15° 5	21°14	28°54	5°17	0°17	1°18	0°43	8°10	26° 3	T 24
W25	12 36 12	10°58'01	8♋33	29°13	25°52	23°39	15°20	21°14	28°58	5°18	0°17	1°D17	0°39	8°17	26° 6	W25
T 26	12 40 9	11°56'44	20°36	0♌39	26°42	24° 5	15°34	21°15	29° 1	5°19	0°18	1°17	0°36	8°23	26°10	T 26
F 27	12 44 5	12°55'26	2♌53	2° 1	27°33	24°31	15°49	21°17	29° 4	5°20	0°18	1°R17	0°33	8°30	26°13	F 27
S 28	12 48 2	13°54'05	15°30	3°18	28°25	24°57	16° 3	21°18	29° 8	5°21	0°18	1°16	0°30	8°37	26°16	S 28
S 29	12 51 58	14°52'42	28°30	4°30	29°17	25°22	16°17	21°19	29°11	5°23	0°19	1°13	0°27	8°43	26°19	S 29
M30	12 55 55	15°51'16	11♍57	5°36	0♓10	25°47	16°32	21°21	29°15	5°24	0°19	1° 8	0°24	8°50	26°22	M30
T 31	12 59 51	16♈49'49	25♍51	6♌37	1♓ 3	26♐11	16♈46	21♋22	29♈18	5♒25	0♋20	1♌ 0	0♌20	8♊57	26♒25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 2	16n 8	1n32	8s17	1s46	12s16	5n32	21s52	0n29	2n49	1s 7	22n18	0n28	10n16	0s29	19s12	0s 1	21n 9	2s24	19n29	19n49	17n 7	8s 4	5n36
M 2	4 39	12 33	2 37	7 27	1 41	12 20	5 22	21 57	0 28	2 54	1 7	22 19	0 28	10 17	0 29	19 11	0 1	21 9	2 24	19 30	19 50	17 8	8 3	5 36
T 3	4 16	8 13	3 36	6 36	1 35	12 24	5 12	22 2	0 27	3 0	1 7	22 19	0 28	10 18	0 29	19 11	0 1	21 9	2 23	19 31	19 50	17 10	8 1	5 37
W 4	3 52	3 22	4 22	5 44	1 29	12 27	5 2	22 7	0 26	3 5	1 7	22 19	0 29	10 19	0 29	19 10	0 1	21 9	2 23	19 32	19 51	17 12	8 0	5 37
T 5	3 29	1s44	4 53	4 50	1 22	12 29	4 52	22 12	0 24	3 11	1 7	22 19	0 29	10 20	0 29	19 10	0 1	21 9	2 23	19 34	19 52	17 13	7 59	5 37
F 6	3 5	6 48	5 7	3 56	1 15	12 31	4 42	22 17	0 23	3 17	1 7	22 20	0 29	10 21	0 29	19 9	0 1	21 10	2 23	19 36	19 53	17 15	7 57	5 37
S 7	2 42	11 31	5 1	3 1	1 7	12 32	4 32	22 21	0 22	3 22	1 6	22 20	0 29	10 22	0 29	19 9	0 1	21 10	2 23	19 38	19 53	17 17	7 56	5 37
S 8	2 18	15 33	4 35	2 4	0 58	12 32	4 22	22 26	0 21	3 28	1 6	22 20	0 29	10 23	0 29	19 9	0 1	21 10	2 23	19 39	19 54	17 18	7 54	5 37
M 9	1 54	18 38	3 53	1 7	0 49	12 32	4 12	22 30	0 19	3 33	1 6	22 20	0 29	10 24	0 29	19 8	0 1	21 10	2 23	19 39	19 55	17 20	7 53	5 37
T 10	1 31	20 34	2 57	0 9	0 40	12 32	4 2	22 35	0 18	3 39	1 6	22 20	0 29	10 25	0 29	19 8	0 1	21 10	2 23	19 39	19 55	17 21	7 52	5 37
W11	1 7	21 12	1 51	0n49	0 30	12 31	3 52	22 39	0 17	3 45	1 6	22 20	0 29	10 26	0 29	19 8	0 1	21 10	2 23	19 39	19 56	17 23	7 50	5 37
T 12	0 43	20 32	0 40	1 47	0 20	12 29	3 43	22 43	0 15	3 50	1 6	22 21	0 29	10 28	0 29	19 7	0 1	21 10	2 22	19 39	19 57	17 25	7 49	5 38
F 13	0 20	18 39	0s33	2 46	0 9	12 27	3 33	22 47	0 14	3 56	1 6	22 21	0 29	10 29	0 29	19 7	0 1	21 10	2 22	19 39	19 58	17 26	7 48	5 38
S 14	0n 4	15 45	1 43	3 44	0n 2	12 24	3 24	22 51	0 12	4 2	1 6	22 21	0 29	10 30	0 29	19 7	0 1	21 10	2 22	19 39	19 58	17 28	7 46	5 38
S 15	0 27	12 5	2 47	4 42	0 13	12 21	3 15	22 55	0 11	4 7	1 6	22 21	0 29	10 31	0 29	19 6	0 1	21 11	2 22	19 40	19 59	17 29	7 45	5 38
M16	0 51	7 52	3 40	5 39	0 25	12 17	3 5	22 58	0 10	4 13	1 6	22 21	0 29	10 32	0 28	19 6	0 1	21 11	2 22	19 42	20 0	17 31	7 44	5 38
T 17	1 15	3 22	4 21	6 36	0 37	12 12	2 56	23 2	0 8	4 18	1 6	22 21	0 29	10 33	0 28	19 5	0 1	21 11	2 22	19 44	20 0	17 33	7 43	5 38
W18	1 38	1n13	4 49	7 31	0 48	12 7	2 47	23 6	0 6	4 24	1 6	22 21	0 29	10 34	0 28	19 5	0 1	21 11	2 22	19 47	20 1	17 34	7 41	5 39
T 19	2 2	5 39	5 2	8 25	1 0	12 1	2 39	23 9	0 5	4 30	1 6	22 21	0 29	10 36	0 28	19 5	0 1	21 11	2 22	19 49	20 2	17 36	7 40	5 39
F 20	2 25	9 48	5 1	9 18	1 11	11 55	2 30	23 13	0 3	4 35	1 6	22 21	0 29	10 37	0 28	19 5	0 1	21 11	2 21	19 52	20 2	17 37	7 39	5 39
S 21	2 48	13 30	4 46	10 9	1 23	11 48	2 21	23 16	0 2	4 41	1 6	22 21	0 29	10 38	0 28	19 4	0 1	21 11	2 21	19 54	20 3	17 39	7 37	5 39
S 22	3 12	16 37	4 19	10 58	1 34	11 41	2 13	23 19	0 0	4 47	1 6	22 21	0 29	10 39	0 28	19 4	0 1	21 11	2 21	19 56	20 4	17 41	7 36	5 39
M23	3 35	19 1	3 41	11 44	1 44	11 33	2 4	23 22	0s 2	4 52	1 5	22 21	0 29	10 40	0 28	19 4	0 1	21 12	2 21	19 57	20 5	17 42	7 35	5 39
T 24	3 58	20 37	2 53	12 29	1 54	11 24	1 56	23 26	0 3	4 58	1 5	22 21	0 30	10 42	0 28	19 3	0 1	21 12	2 21	19 58	20 5	17 44	7 34	5 40
W25	4 21	21 18	1 58	13 10	2 4	11 15	1 48	23 29	0 5	5 3	1 5	22 21	0 30	10 43	0 28	19 3	0 1	21 12	2 21	19 58	20 6	17 45	7 32	5 40
T 26	4 45	21 2	0 57	13 50	2 13	11 6	1 40	23 32	0 7	5 9	1 5	22 21	0 30	10 44	0 28	19 3	0 1	21 12	2 21	19 58	20 7	17 47	7 31	5 40
F 27	5 8	19 44	0n 8	14 26	2 22	10 56	1 32	23 35	0 9	5 15	1 5	22 20	0 30	10 45	0 28	19 3	0 2	21 12	2 21	19 58	20 7	17 48	7 30	5 40
S 28	5 30	17 27	1 15	15 0	2 29	10 45	1 25	23 37	0 11	5 20	1 5	22 20	0 30	10 46	0 28	19 2	0 2	21 12	2 21	19 58	20 8	17 50	7 29	5 40
S 29	5 53	14 13	2 19	15 31	2 36	10 34	1 17	23 40	0 13	5 26	1 5	22 20	0 30	10 48	0 28	19 2	0 2	21 12	2 20	19 58	20 9	17 52	7 27	5 41
M30	6 16	10 9	3 18	15 59	2 42	10 23	1 10	23 43	0 14	5 31	1 5	22 20	0 30	10 49	0 28	19 2	0 2	21 12	2 20	20 0	20 9	17 53	7 26	5 41
T 31	6n38	5n26	4n 7	16n25	2n47	10s11	1n 2	23s46	0s16	5n37	1s 5	22n20	0n30	10n50	0s28	19s 2	0s 2	21n12	2s20	20n 1	20n10	17n55	7s25	5n41

Julian Day Number = 2152477.5, Delta T = 14m03s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'23, Lahiri = 12°26'24 Julian Calendar 1 March 1181 == Greg. Calendar 8 March 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

APRIL 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 3 48	17♈48'19	10♎10	7♉33	1♓57	26♐36	17♈ 0	21♋24	29♈21	5♒26	0♋21	0°R50	0♌17	9♊ 4	26♒28	W 1
T 2	13 7 45	18°46'48	24°47	8°23	2°51	27° 0	17°15	21°26	29°25	5°27	0°21	0♌39	0°14	9°10	26°31	T 2
F 3	13 11 41	19°45'14	9♏37	9° 7	3°46	27°23	17°29	21°27	29°28	5°28	0°22	0°28	0°11	9°17	26°33	F 3
S 4	13 15 38	20°43'39	24°29	9°46	4°42	27°47	17°44	21°29	29°32	5°28	0°22	0°19	0° 8	9°24	26°36	S 4
S 5	13 19 34	21°42'02	9♐16	10°19	5°38	28°10	17°58	21°31	29°35	5°29	0°23	0°11	0° 4	9°30	26°39	S 5
M 6	13 23 31	22°40'24	23°51	10°46	6°34	28°32	18°12	21°34	29°39	5°30	0°24	0° 7	0° 1	9°37	26°42	M 6
T 7	13 27 27	23°38'44	8♑10	11° 7	7°31	28°55	18°27	21°36	29°42	5°31	0°24	0° 5	29♋58	9°44	26°44	T 7
W 8	13 31 24	24°37'03	22°10	11°22	8°29	29°17	18°41	21°38	29°45	5°32	0°25	0° 4	29°55	9°50	26°47	W 8
T 9	13 35 20	25°35'20	5♒52	11°32	9°27	29°38	18°55	21°41	29°49	5°32	0°26	0° 4	29°52	9°57	26°50	T 9
F 10	13 39 17	26°33'35	19°17	11°R36	10°25	29°59	19°10	21°43	29°52	5°33	0°27	0° 3	29°49	10° 4	26°52	F 10
S 11	13 43 14	27°31'49	2♓27	11°35	11°23	0♑21	19°24	21°46	29°56	5°34	0°27	0° 0	29°45	10°10	26°55	S 11
S 12	13 47 10	28°30'01	15°24	11°29	12°22	0°41	19°38	21°49	29°59	5°34	0°28	29♋55	29°42	10°17	26°57	S 12
M13	13 51 7	29°28'12	28° 9	11°17	13°22	1° 1	19°53	21°52	0♉ 3	5°35	0°29	29°47	29°39	10°24	26°59	M13
T 14	13 55 3	0♉26'21	10♈43	11° 1	14°22	1°21	20° 7	21°55	0° 6	5°36	0°30	29°35	29°36	10°31	27° 2	T 14
W15	13 59 0	1°24'28	23° 8	10°41	15°22	1°40	20°21	21°58	0°10	5°36	0°31	29°22	29°33	10°37	27° 4	W15
T 16	14 2 56	2°22'34	5♉23	10°16	16°22	1°59	20°35	22° 1	0°13	5°37	0°32	29° 9	29°30	10°44	27° 6	T 16
F 17	14 6 53	3°20'38	17°29	9°49	17°23	2°17	20°50	22° 4	0°17	5°37	0°32	28°55	29°26	10°51	27° 8	F 17
S 18	14 10 49	4°18'40	29°27	9°18	18°24	2°35	21° 4	22° 7	0°20	5°38	0°33	28°43	29°23	10°57	27°11	S 18
S 19	14 14 46	5°16'41	11♊19	8°45	19°25	2°52	21°18	22°11	0°24	5°38	0°34	28°33	29°20	11° 4	27°13	S 19
M20	14 18 43	6°14'40	23° 8	8°10	20°27	3° 9	21°32	22°14	0°27	5°39	0°35	28°26	29°17	11°11	27°15	M20
T 21	14 22 39	7°12'37	4♋57	7°34	21°29	3°26	21°46	22°18	0°30	5°39	0°36	28°22	29°14	11°17	27°17	T 21
W22	14 26 36	8°10'32	16°49	6°57	22°31	3°42	22° 0	22°22	0°34	5°39	0°37	28°20	29°10	11°24	27°19	W22
T 23	14 30 32	9° 8'26	28°50	6°21	23°33	3°57	22°14	22°25	0°37	5°39	0°38	28°D19	29° 7	11°31	27°20	T 23
F 24	14 34 29	10° 6'17	11♌ 5	5°46	24°36	4°12	22°28	22°29	0°41	5°40	0°39	28°R19	29° 4	11°37	27°22	F 24
S 25	14 38 25	11° 4'07	23°39	5°12	25°39	4°26	22°42	22°33	0°44	5°40	0°40	28°19	29° 1	11°44	27°24	S 25
S 26	14 42 22	12° 1'55	6♍38	4°40	26°42	4°40	22°56	22°37	0°48	5°40	0°41	28°17	28°58	11°51	27°26	S 26
M27	14 46 18	12°59'41	20° 4	4°10	27°45	4°53	23°10	22°42	0°51	5°40	0°42	28°12	28°55	11°58	27°27	M27
T 28	14 50 15	13°57'26	3♎59	3°43	28°49	5° 6	23°24	22°46	0°54	5°40	0°44	28° 5	28°51	12° 4	27°29	T 28
W29	14 54 11	14°55'09	18°23	3°20	29°53	5°18	23°38	22°50	0°58	5°41	0°45	27°57	28°48	12°11	27°31	W29
T 30	14 58 8	15♉52'50	3♏12	3♉ 0	0♈57	5♑30	23♈52	22♋55	1♉ 1	5♒41	0♋46	27♋46	28♋45	12♊18	27♒32	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 1	0n17	4n42	16n47	2n51	9s58	0n55	23s48	0s18	5n42	1s 5	22n20	0n30	10n51	0s28	19s 1	0s 2	21n13	2s20	20n 3	20n11	17n56	7s24	5n41
T 2	7 23	5s 0	4 59	17 6	2 54	9 45	0 48	23 51	0 21	5 48	1 5	22 19	0 30	10 52	0 28	19 1	0 2	21 13	2 20	20 6	20 11	17 58	7 23	5 42
F 3	7 46	10 3	4 57	17 22	2 56	9 32	0 41	23 54	0 23	5 54	1 5	22 19	0 30	10 54	0 28	19 1	0 2	21 13	2 20	20 8	20 12	17 59	7 21	5 42
S 4	8 8	14 32	4 35	17 36	2 57	9 18	0 35	23 56	0 25	5 59	1 5	22 19	0 30	10 55	0 28	19 1	0 2	21 13	2 20	20 10	20 13	18 1	7 20	5 42
S 5	8 30	18 5	3 54	17 46	2 56	9 3	0 28	23 59	0 27	6 5	1 5	22 19	0 30	10 56	0 28	19 0	0 2	21 13	2 20	20 12	20 13	18 2	7 19	5 42
M 6	8 51	20 25	2 59	17 53	2 55	8 48	0 22	24 1	0 29	6 10	1 5	22 18	0 30	10 57	0 28	19 0	0 2	21 13	2 20	20 13	20 14	18 4	7 18	5 43
T 7	9 13	21 25	1 53	17 57	2 52	8 33	0 15	24 4	0 31	6 16	1 5	22 18	0 30	10 59	0 28	19 0	0 2	21 13	2 19	20 13	20 15	18 5	7 17	5 43
W 8	9 35	21 2	0 42	17 58	2 48	8 17	0 9	24 6	0 34	6 21	1 5	22 18	0 30	11 0	0 28	19 0	0 2	21 13	2 19	20 13	20 15	18 7	7 16	5 43
T 9	9 56	19 23	0s31	17 56	2 43	8 1	0 3	24 9	0 36	6 27	1 5	22 17	0 30	11 1	0 28	19 0	0 2	21 13	2 19	20 14	20 16	18 8	7 15	5 43
F 10	10 17	16 41	1 40	17 51	2 36	7 44	0s 3	24 11	0 38	6 32	1 5	22 17	0 30	11 2	0 28	19 0	0 2	21 13	2 19	20 14	20 17	18 10	7 14	5 44
S 11	10 38	13 10	2 42	17 43	2 28	7 28	0 9	24 14	0 41	6 37	1 5	22 16	0 30	11 3	0 28	18 59	0 2	21 14	2 19	20 14	20 17	18 12	7 12	5 44
S 12	10 59	9 5	3 35	17 33	2 19	7 10	0 14	24 16	0 43	6 43	1 5	22 16	0 30	11 5	0 28	18 59	0 2	21 14	2 19	20 15	20 18	18 13	7 11	5 44
M13	11 20	4 39	4 16	17 19	2 9	6 52	0 20	24 18	0 46	6 48	1 5	22 16	0 30	11 6	0 28	18 59	0 2	21 14	2 19	20 17	20 19	18 15	7 10	5 44
T 14	11 41	0 5	4 44	17 3	1 57	6 34	0 25	24 21	0 49	6 54	1 5	22 15	0 30	11 7	0 28	18 59	0 2	21 14	2 19	20 20	20 19	18 16	7 9	5 45
W15	12 1	4n25	4 58	16 45	1 45	6 16	0 31	24 23	0 51	6 59	1 5	22 15	0 30	11 8	0 28	18 59	0 2	21 14	2 19	20 22	20 20	18 18	7 8	5 45
T 16	12 21	8 41	4 58	16 24	1 31	5 57	0 36	24 26	0 54	7 4	1 5	22 14	0 30	11 10	0 28	18 59	0 2	21 14	2 18	20 25	20 21	18 19	7 7	5 45
F 17	12 41	12 34	4 44	16 1	1 16	5 38	0 41	24 28	0 57	7 10	1 5	22 14	0 30	11 11	0 28	18 59	0 2	21 14	2 18	20 28	20 21	18 21	7 6	5 45
S 18	13 1	15 55	4 18	15 37	1 1	5 18	0 45	24 30	0 59	7 15	1 5	22 13	0 31	11 12	0 28	18 59	0 2	21 14	2 18	20 30	20 22	18 22	7 5	5 46
S 19	13 20	18 35	3 41	15 11	0 45	4 58	0 50	24 33	1 2	7 20	1 5	22 13	0 31	11 13	0 28	18 58	0 2	21 14	2 18	20 32	20 23	18 24	7 4	5 46
M20	13 40	20 27	2 55	14 44	0 28	4 38	0 55	24 35	1 5	7 26	1 5	22 12	0 31	11 14	0 28	18 58	0 2	21 15	2 18	20 34	20 23	18 25	7 3	5 46
T 21	13 59	21 27	2 0	14 16	0 11	4 18	0 59	24 38	1 8	7 31	1 5	22 12	0 31	11 16	0 28	18 58	0 2	21 15	2 18	20 35	20 24	18 27	7 2	5 47
W22	14 18	21 29	1 1	13 48	0s 6	3 57	1 3	24 40	1 11	7 36	1 5	22 11	0 31	11 17	0 28	18 58	0 2	21 15	2 18	20 35	20 25	18 28	7 2	5 47
T 23	14 36	20 32	0n 3	13 20	0 24	3 36	1 8	24 43	1 14	7 41	1 5	22 10	0 31	11 18	0 28	18 58	0 2	21 15	2 18	20 35	20 25	18 30	7 1	5 47
F 24	14 55	18 36	1 7	12 51	0 41	3 15	1 12	24 46	1 17	7 47	1 5	22 10	0 31	11 19	0 28	18 58	0 2	21 15	2 18	20 35	20 26	18 31	7 0	5 47
S 25	15 13	15 44	2 10	12 24	0 58	2 54	1 16	24 48	1 20	7 52	1 5	22 9	0 31	11 21	0 28	18 58	0 2	21 15	2 18	20 35	20 27	18 32	6 59	5 48
S 26	15 31	12 2	3 8	11 58	1 14	2 32	1 19	24 51	1 23	7 57	1 5	22 9	0 31	11 22	0 28	18 58	0 2	21 15	2 17	20 36	20 27	18 34	6 58	5 48
M27	15 48	7 36	3 58	11 33	1 31	2 10	1 23	24 54	1 27	8 2	1 5	22 8	0 31	11 23	0 28	18 58	0 2	21 15	2 17	20 37	20 28	18 35	6 57	5 48
T 28	16 6	2 38	4 36	11 9	1 46	1 48	1 26	24 57	1 30	8 7	1 5	22 7	0 31	11 24	0 28	18 58	0 2	21 15	2 17	20 38	20 29	18 37	6 56	5 49
W29	16 23	2s39	4 58	10 47	2 1	1 25	1 30	24 59	1 33	8 12	1 5	22 7	0 31	11 25	0 28	18 58	0 2	21 15	2 17	20 40	20 29	18 38	6 56	5 49
T 30	16n40	7s55	5n 1	10n28	2s14	1s 3	1s33	25s 2	1s37	8n17	1s 5	22n 6	0n31	11n26	0s28	18s58	0s 2	21n15	2s17	20n42	20n30	18n40	6s55	5n49

Julian Day Number = 2152508.5, Delta T = 14m02s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'27, Lahiri = 12°26'28 Julian Calendar 1 Apr. 1181 == Greg. Calendar 8 Apr. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

MAY 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 2 5	16♉50'30	18♏16	2°R44	2♈ 1	5♋41	24♈ 6	22♋59	1♉ 5	5°R41	0♋47	27°R36	28♋42	12♊24	27♒34	F 1
S 2	15 6 1	17°48'09	3♐27	2♉33	3° 5	5°51	24°19	23° 4	1° 8	5♒41	0°48	27♋27	28°39	12°31	27°35	S 2
S 3	15 9 58	18°45'47	18°34	2°26	4°10	6° 1	24°33	23° 8	1°11	5°41	0°49	27°20	28°35	12°38	27°36	S 3
M 4	15 13 54	19°43'23	3♋28	2°D23	5°15	6°10	24°47	23°13	1°15	5°41	0°50	27°16	28°32	12°44	27°38	M 4
T 5	15 17 51	20°40'59	18° 2	2°25	6°20	6°19	25° 0	23°18	1°18	5°40	0°52	27°14	28°29	12°51	27°39	T 5
W 6	15 21 47	21°38'33	2♒13	2°31	7°25	6°27	25°14	23°23	1°21	5°40	0°53	27°D14	28°26	12°58	27°40	W 6
T 7	15 25 44	22°36'07	16° 0	2°42	8°30	6°34	25°28	23°28	1°25	5°40	0°54	27°R14	28°23	13° 4	27°41	T 7
F 8	15 29 41	23°33'39	29°24	2°57	9°36	6°41	25°41	23°33	1°28	5°40	0°55	27°14	28°20	13°11	27°42	F 8
S 9	15 33 37	24°31'11	12♓28	3°17	10°42	6°46	25°55	23°38	1°31	5°40	0°57	27°13	28°16	13°18	27°43	S 9
S 10	15 37 34	25°28'42	25°15	3°41	11°47	6°52	26° 8	23°43	1°34	5°39	0°58	27° 9	28°13	13°24	27°44	S 10
M11	15 41 30	26°26'12	7♈47	4° 9	12°53	6°56	26°21	23°48	1°38	5°39	0°59	27° 3	28°10	13°31	27°45	M11
T 12	15 45 27	27°23'41	20° 8	4°41	14° 0	7° 0	26°35	23°53	1°41	5°39	1° 0	26°55	28° 7	13°38	27°46	T 12
W13	15 49 23	28°21'09	2♉19	5°18	15° 6	7° 3	26°48	23°59	1°44	5°38	1° 2	26°45	28° 4	13°44	27°46	W13
T 14	15 53 20	29°18'36	14°23	5°58	16°12	7° 5	27° 1	24° 4	1°47	5°38	1° 3	26°34	28° 1	13°51	27°47	T 14
F 15	15 57 16	0♊16'03	26°20	6°43	17°19	7° 7	27°14	24°10	1°50	5°38	1° 4	26°23	27°57	13°58	27°48	F 15
S 16	16 1 13	1°13'28	8♊13	7°31	18°26	7° 7	27°27	24°15	1°53	5°37	1° 6	26°14	27°54	14° 5	27°48	S 16
S 17	16 5 10	2°10'53	20° 2	8°23	19°33	7°R 7	27°40	24°21	1°57	5°37	1° 7	26° 6	27°51	14°11	27°49	S 17
M18	16 9 6	3° 8'16	1♋50	9°18	20°40	7° 7	27°53	24°27	2° 0	5°36	1° 8	26° 1	27°48	14°18	27°49	M18
T 19	16 13 3	4° 5'39	13°40	10°17	21°47	7° 5	28° 6	24°33	2° 3	5°36	1°10	25°58	27°45	14°25	27°50	T 19
W20	16 16 59	5° 3'01	25°34	11°19	22°54	7° 3	28°19	24°39	2° 6	5°35	1°11	25°D57	27°41	14°31	27°50	W20
T 21	16 20 56	6° 0'21	7♌37	12°25	24° 1	7° 0	28°32	24°44	2° 9	5°35	1°13	25°58	27°38	14°38	27°50	T 21
F 22	16 24 52	6°57'41	19°53	13°34	25° 9	6°56	28°45	24°50	2°12	5°34	1°14	25°59	27°35	14°45	27°51	F 22
S 23	16 28 49	7°54'59	2♍26	14°46	26°16	6°52	28°57	24°56	2°15	5°33	1°15	26°R 0	27°32	14°51	27°51	S 23
S 24	16 32 45	8°52'17	15°21	16° 2	27°24	6°46	29°10	25° 3	2°18	5°33	1°17	26° 0	27°29	14°58	27°51	S 24
M25	16 36 42	9°49'33	28°42	17°20	28°32	6°41	29°23	25° 9	2°21	5°32	1°18	25°58	27°26	15° 5	27°R51	M25
T 26	16 40 39	10°46'49	12♎32	18°42	29°40	6°34	29°35	25°15	2°23	5°31	1°20	25°55	27°22	15°11	27°51	T 26
W27	16 44 35	11°44'04	26°50	20° 7	0♉48	6°26	29°47	25°21	2°26	5°30	1°21	25°50	27°19	15°18	27°51	W27
T 28	16 48 32	12°41'18	11♏34	21°35	1°56	6°18	29°59	25°28	2°29	5°29	1°23	25°44	27°16	15°25	27°51	T 28
F 29	16 52 28	13°38'31	26°38	23° 6	3° 4	6°10	0♉12	25°34	2°32	5°29	1°24	25°38	27°13	15°31	27°50	F 29
S 30	16 56 25	14°35'43	11♐53	24°40	4°12	6° 0	0°24	25°40	2°35	5°28	1°25	25°32	27°10	15°38	27°50	S 30
S 31	17 0 21	15♊32'56	27♐ 8	26♉16	5♉21	5♋50	0♉36	25♋47	2♉38	5♒27	1♋27	25♋28	27♋ 7	15♊45	27♒50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n56	12s49	4n43	10n10	2s27	0s40	1s36	25s 5	1s40	8n23	1s 5	22n 5	0n31	11n28	0s28	18s58	0s 2	21n16	2s17	20n44	20n31	18n41	6s54	5n50
S 2	17 13	16 56	4 5	9 55	2 39	0 17	1 39	25 8	1 44	8 28	1 5	22 4	0 31	11 29	0 28	18 58	0 2	21 16	2 17	20 46	20 31	18 43	6 53	5 50
S 3	17 29	19 54	3 10	9 43	2 50	0n 6	1 42	25 11	1 47	8 33	1 5	22 4	0 31	11 30	0 28	18 58	0 2	21 16	2 17	20 47	20 32	18 44	6 52	5 50
M 4	17 45	21 27	2 3	9 33	2 59	0 29	1 45	25 15	1 51	8 38	1 5	22 3	0 31	11 31	0 28	18 58	0 2	21 16	2 17	20 48	20 33	18 46	6 52	5 50
T 5	18 0	21 31	0 49	9 25	3 8	0 53	1 47	25 18	1 54	8 43	1 5	22 2	0 31	11 32	0 28	18 58	0 2	21 16	2 17	20 48	20 33	18 47	6 51	5 51
W 6	18 15	20 11	0s27	9 20	3 16	1 16	1 50	25 21	1 58	8 47	1 5	22 1	0 31	11 33	0 28	18 58	0 2	21 16	2 17	20 48	20 34	18 49	6 50	5 51
T 7	18 30	17 40	1 38	9 18	3 22	1 40	1 52	25 25	2 2	8 52	1 5	22 1	0 31	11 35	0 28	18 58	0 2	21 16	2 16	20 48	20 35	18 50	6 50	5 51
F 8	18 45	14 16	2 43	9 18	3 28	2 4	1 54	25 28	2 6	8 57	1 5	22 0	0 31	11 36	0 28	18 58	0 2	21 16	2 16	20 48	20 35	18 51	6 49	5 52
S 9	18 59	10 15	3 37	9 20	3 32	2 28	1 57	25 32	2 10	9 2	1 6	21 59	0 31	11 37	0 28	18 58	0 2	21 16	2 16	20 48	20 36	18 53	6 48	5 52
S 10	19 13	5 51	4 19	9 25	3 36	2 52	1 59	25 35	2 14	9 7	1 6	21 58	0 31	11 38	0 28	18 58	0 2	21 16	2 16	20 49	20 36	18 54	6 48	5 52
M11	19 27	1 18	4 47	9 32	3 38	3 16	2 0	25 39	2 18	9 12	1 6	21 57	0 31	11 39	0 28	18 58	0 2	21 16	2 16	20 50	20 37	18 56	6 47	5 53
T 12	19 40	3n14	5 2	9 41	3 40	3 40	2 2	25 43	2 22	9 17	1 6	21 56	0 32	11 40	0 28	18 59	0 2	21 16	2 16	20 52	20 38	18 57	6 47	5 53
W13	19 53	7 36	5 3	9 53	3 41	4 4	2 4	25 47	2 26	9 21	1 6	21 55	0 32	11 41	0 28	18 59	0 2	21 17	2 16	20 54	20 38	18 59	6 46	5 53
T 14	20 5	11 36	4 50	10 6	3 40	4 28	2 5	25 51	2 30	9 26	1 6	21 55	0 32	11 42	0 28	18 59	0 2	21 17	2 16	20 56	20 39	19 0	6 45	5 54
F 15	20 18	15 8	4 24	10 22	3 39	4 53	2 7	25 55	2 34	9 31	1 6	21 54	0 32	11 44	0 28	18 59	0 2	21 17	2 16	20 58	20 40	19 1	6 45	5 54
S 16	20 30	18 2	3 47	10 39	3 37	5 17	2 8	25 59	2 38	9 35	1 6	21 53	0 32	11 45	0 28	18 59	0 2	21 17	2 16	21 0	20 40	19 3	6 44	5 54
S 17	20 41	20 10	3 1	10 58	3 35	5 41	2 9	26 3	2 43	9 40	1 6	21 52	0 32	11 46	0 28	18 59	0 2	21 17	2 16	21 1	20 41	19 4	6 44	5 55
M18	20 53	21 26	2 6	11 19	3 31	6 5	2 10	26 8	2 47	9 45	1 6	21 51	0 32	11 47	0 28	18 59	0 2	21 17	2 15	21 2	20 42	19 6	6 44	5 55
T 19	21 3	21 45	1 6	11 42	3 27	6 30	2 11	26 12	2 51	9 49	1 6	21 50	0 32	11 48	0 28	18 59	0 2	21 17	2 15	21 3	20 42	19 7	6 43	5 55
W20	21 14	21 5	0 2	12 5	3 22	6 54	2 12	26 17	2 55	9 54	1 6	21 49	0 32	11 49	0 28	19 0	0 2	21 17	2 15	21 3	20 43	19 8	6 43	5 56
T 21	21 24	19 27	1n 3	12 31	3 17	7 18	2 13	26 21	3 0	9 58	1 6	21 48	0 32	11 50	0 28	19 0	0 2	21 17	2 15	21 3	20 43	19 10	6 42	5 56
F 22	21 34	16 54	2 6	12 57	3 10	7 42	2 13	26 26	3 4	10 3	1 6	21 47	0 32	11 51	0 28	19 0	0 2	21 17	2 15	21 3	20 44	19 11	6 42	5 56
S 23	21 43	13 31	3 4	13 25	3 4	8 6	2 14	26 30	3 9	10 7	1 6	21 46	0 32	11 52	0 28	19 0	0 2	21 17	2 15	21 2	20 45	19 13	6 41	5 57
S 24	21 53	9 24	3 55	13 54	2 56	8 30	2 14	26 35	3 13	10 11	1 6	21 45	0 32	11 53	0 28	19 0	0 2	21 17	2 15	21 2	20 45	19 14	6 41	5 57
M25	22 1	4 43	4 35	14 24	2 48	8 54	2 15	26 40	3 18	10 16	1 7	21 44	0 32	11 54	0 28	19 0	0 2	21 17	2 15	21 3	20 46	19 15	6 41	5 57
T 26	22 10	0s21	5 1	14 54	2 40	9 18	2 15	26 45	3 22	10 20	1 7	21 42	0 32	11 55	0 28	19 1	0 2	21 17	2 15	21 3	20 47	19 17	6 41	5 58
W27	22 18	5 35	5 9	15 26	2 31	9 42	2 15	26 49	3 26	10 24	1 7	21 41	0 32	11 56	0 28	19 1	0 2	21 17	2 15	21 4	20 47	19 18	6 40	5 58
T 28	22 25	10 39	4 58	15 58	2 22	10 5	2 15	26 54	3 31	10 29	1 7	21 40	0 32	11 57	0 28	19 1	0 2	21 18	2 15	21 5	20 48	19 19	6 40	5 58
F 29	22 32	15 11	4 25	16 30	2 12	10 29	2 15	26 59	3 35	10 33	1 7	21 39	0 32	11 58	0 28	19 1	0 2	21 18	2 15	21 7	20 48	19 21	6 40	5 59
S 30	22 39	18 46	3 34	17 3	2 2	10 52	2 15	27 4	3 40	10 37	1 7	21 38	0 32	11 59	0 28	19 1	0 2	21 18	2 15	21 8	20 49	19 22	6 40	5 59
S 31	22n45	21s 3	2n28	17n36	1s51	11n15	2s14	27s 9	3s44	10n41	1s 7	21n37	0n32	12n 0	0s28	19s 2	0s 2	21n18	2s14	21n 8	20n50	19n23	6s39	5n59

Julian Day Number = 2152538.5, Delta T = 14m02s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'32, Lahiri = 12°26'32 Julian Calendar 1 May 1181 == Greg. Calendar 8 May 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

JUNE 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 4 18	16♊30'08	12♉13	27♉56	6♉29	5°R39	0♉48	25♋53	2♉40	5°R26	1♋28	25°R26	27♋ 3	15♊51	27°R50	M 1
T 2	17 8 14	17°27'19	27° 0	29°39	7°38	5♉28	1° 0	26° 0	2°43	5♒25	1°30	25°D25	27° 0	15°58	27♒49	T 2
W 3	17 12 11	18°24'30	11♒24	1♊25	8°46	5°16	1°12	26° 7	2°46	5°24	1°31	25♋26	26°57	16° 5	27°49	W 3
T 4	17 16 8	19°21'42	25°21	3°13	9°55	5° 3	1°24	26°13	2°48	5°23	1°33	25°27	26°54	16°11	27°48	T 4
F 5	17 20 4	20°18'53	8♓52	5° 4	11° 4	4°50	1°36	26°20	2°51	5°22	1°34	25°28	26°51	16°18	27°48	F 5
S 6	17 24 1	21°16'04	21°58	6°58	12°13	4°36	1°47	26°27	2°53	5°21	1°36	25°R29	26°47	16°25	27°47	S 6
S 7	17 27 57	22°13'15	4♈44	8°54	13°22	4°21	1°59	26°33	2°56	5°20	1°37	25°28	26°44	16°32	27°46	S 7
M 8	17 31 54	23°10'26	17°11	10°53	14°31	4° 7	2°10	26°40	2°59	5°19	1°39	25°26	26°41	16°38	27°45	M 8
T 9	17 35 50	24° 7'37	29°25	12°54	15°40	3°51	2°22	26°47	3° 1	5°18	1°40	25°22	26°38	16°45	27°45	T 9
W10	17 39 47	25° 4'48	11♉29	14°57	16°50	3°36	2°33	26°54	3° 3	5°17	1°42	25°18	26°35	16°52	27°44	W10
T 11	17 43 43	26° 1'59	23°25	17° 2	17°59	3°19	2°44	27° 1	3° 6	5°16	1°43	25°13	26°32	16°58	27°43	T 11
F 12	17 47 40	26°59'10	5♊16	19° 8	19° 9	3° 3	2°55	27° 8	3° 8	5°14	1°45	25° 8	26°28	17° 5	27°42	F 12
S 13	17 51 37	27°56'22	17° 6	21°16	20°18	2°46	3° 6	27°15	3°11	5°13	1°47	25° 4	26°25	17°12	27°41	S 13
S 14	17 55 33	28°53'33	28°55	23°25	21°28	2°29	3°17	27°22	3°13	5°12	1°48	25° 0	26°22	17°18	27°40	S 14
M15	17 59 30	29°50'44	10♋46	25°34	22°37	2°12	3°28	27°29	3°15	5°11	1°50	24°58	26°19	17°25	27°38	M15
T 16	18 3 26	0♋47'56	22°41	27°44	23°47	1°55	3°39	27°36	3°17	5°10	1°51	24°D57	26°16	17°32	27°37	T 16
W17	18 7 23	1°45'07	4♌42	29°54	24°57	1°37	3°49	27°44	3°19	5° 8	1°53	24°58	26°13	17°38	27°36	W17
T 18	18 11 19	2°42'18	16°53	2♋ 5	26° 7	1°19	4° 0	27°51	3°22	5° 7	1°54	24°59	26° 9	17°45	27°35	T 18
F 19	18 15 16	3°39'29	29°15	4°14	27°17	1° 2	4°10	27°58	3°24	5° 6	1°56	25° 0	26° 6	17°52	27°33	F 19
S 20	18 19 12	4°36'41	11♍53	6°23	28°27	0°44	4°20	28° 5	3°26	5° 4	1°57	25° 2	26° 3	17°58	27°32	S 20
S 21	18 23 9	5°33'51	24°50	8°32	29°37	0°27	4°31	28°13	3°28	5° 3	1°59	25° 3	26° 0	18° 5	27°30	S 21
M22	18 27 6	6°31'02	8♎ 8	10°39	0♊47	0° 9	4°41	28°20	3°30	5° 2	2° 0	25°R 3	25°57	18°12	27°29	M22
T 23	18 31 2	7°28'13	21°51	12°45	1°58	29♐52	4°51	28°27	3°32	5° 0	2° 2	25° 3	25°53	18°18	27°27	T 23
W24	18 34 59	8°25'24	5♏58	14°50	3° 8	29°35	5° 1	28°35	3°34	4°59	2° 3	25° 1	25°50	18°25	27°26	W24
T 25	18 38 55	9°22'35	20°28	16°53	4°18	29°18	5°10	28°42	3°35	4°57	2° 5	25° 0	25°47	18°32	27°24	T 25
F 26	18 42 52	10°19'46	5♐18	18°55	5°29	29° 2	5°20	28°50	3°37	4°56	2° 6	24°58	25°44	18°38	27°22	F 26
S 27	18 46 48	11°16'57	20°21	20°55	6°39	28°46	5°29	28°57	3°39	4°54	2° 8	24°56	25°41	18°45	27°20	S 27
S 28	18 50 45	12°14'09	5♑28	22°54	7°50	28°30	5°39	29° 5	3°41	4°53	2° 9	24°55	25°38	18°52	27°19	S 28
M29	18 54 41	13°11'21	20°31	24°51	9° 0	28°15	5°48	29°12	3°43	4°52	2°11	24°D55	25°34	18°58	27°17	M29
T 30	18 58 38	14♋ 8'34	5♒21	26♋46	10♊11	28♐ 0	5♉57	29♋20	3♉44	4♒50	2♋12	24♋55	25♋31	19♊ 5	27♒15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n51	21s48	1n11	18n 9	1s40	11n38	2s14	27s14	3s49	10n45	1s 7	21n36	0n32	12n 1	0s28	19s 2	0s 2	21n18	2s14	21n 9	20n50	19n25	6s39	5n59
T 2	22 57	20 59	0s 9	18 43	1 29	12 1	2 13	27 19	3 53	10 49	1 7	21 34	0 33	12 2	0 28	19 2	0 2	21 18	2 14	21 9	20 51	19 26	6 39	6 0
W 3	23 2	18 49	1 26	19 16	1 18	12 23	2 13	27 23	3 57	10 54	1 7	21 33	0 33	12 3	0 28	19 2	0 2	21 18	2 14	21 9	20 52	19 28	6 39	6 0
T 4	23 7	15 34	2 36	19 48	1 7	12 46	2 12	27 28	4 2	10 58	1 7	21 32	0 33	12 3	0 28	19 3	0 2	21 18	2 14	21 9	20 52	19 29	6 39	6 0
F 5	23 11	11 36	3 35	20 20	0 55	13 8	2 11	27 33	4 6	11 2	1 7	21 31	0 33	12 4	0 28	19 3	0 2	21 18	2 14	21 8	20 53	19 30	6 39	6 1
S 6	23 15	7 11	4 21	20 51	0 43	13 30	2 10	27 38	4 10	11 5	1 8	21 30	0 33	12 5	0 28	19 3	0 2	21 18	2 14	21 8	20 53	19 32	6 39	6 1
S 7	23 19	2 35	4 52	21 22	0 32	13 52	2 10	27 42	4 14	11 9	1 8	21 28	0 33	12 6	0 28	19 3	0 2	21 18	2 14	21 8	20 54	19 33	6 39	6 1
M 8	23 22	2n 1	5 9	21 51	0 20	14 13	2 9	27 47	4 18	11 13	1 8	21 27	0 33	12 7	0 28	19 4	0 2	21 18	2 14	21 9	20 55	19 34	6 39	6 2
T 9	23 25	6 27	5 12	22 18	0 9	14 34	2 7	27 51	4 22	11 17	1 8	21 26	0 33	12 8	0 28	19 4	0 2	21 18	2 14	21 9	20 55	19 36	6 39	6 2
W10	23 27	10 35	5 0	22 44	0n 3	14 55	2 6	27 56	4 26	11 21	1 8	21 24	0 33	12 9	0 28	19 4	0 2	21 18	2 14	21 10	20 56	19 37	6 39	6 2
T 11	23 29	14 16	4 36	23 8	0 13	15 16	2 5	28 0	4 30	11 25	1 8	21 23	0 33	12 9	0 28	19 5	0 2	21 18	2 14	21 11	20 56	19 38	6 39	6 3
F 12	23 31	17 21	3 59	23 30	0 24	15 36	2 4	28 4	4 34	11 28	1 8	21 22	0 33	12 10	0 28	19 5	0 2	21 18	2 14	21 12	20 57	19 39	6 39	6 3
S 13	23 32	19 43	3 13	23 50	0 34	15 56	2 2	28 8	4 37	11 32	1 8	21 21	0 33	12 11	0 28	19 5	0 2	21 18	2 14	21 13	20 58	19 41	6 39	6 3
S 14	23 32	21 14	2 18	24 7	0 44	16 16	2 1	28 12	4 41	11 35	1 8	21 19	0 33	12 12	0 28	19 6	0 3	21 18	2 14	21 13	20 58	19 42	6 39	6 3
M15	23 33	21 49	1 17	24 21	0 53	16 35	1 59	28 16	4 44	11 39	1 9	21 18	0 33	12 12	0 28	19 6	0 3	21 18	2 13	21 14	20 59	19 43	6 39	6 4
T 16	23 33	21 25	0 13	24 33	1 2	16 54	1 58	28 20	4 48	11 43	1 9	21 16	0 33	12 13	0 28	19 6	0 3	21 18	2 13	21 14	20 59	19 45	6 39	6 4
W17	23 32	20 2	0n53	24 43	1 10	17 13	1 56	28 23	4 51	11 46	1 9	21 15	0 33	12 14	0 28	19 6	0 3	21 18	2 13	21 14	21 0	19 46	6 39	6 4
T 18	23 31	17 43	1 58	24 49	1 17	17 31	1 54	28 26	4 54	11 50	1 9	21 14	0 33	12 15	0 28	19 7	0 3	21 19	2 13	21 14	21 1	19 47	6 39	6 5
F 19	23 30	14 34	2 58	24 52	1 24	17 49	1 52	28 29	4 57	11 53	1 9	21 12	0 34	12 15	0 28	19 7	0 3	21 19	2 13	21 13	21 1	19 49	6 40	6 5
S 20	23 28	10 41	3 51	24 53	1 30	18 7	1 50	28 32	5 0	11 56	1 9	21 11	0 34	12 16	0 28	19 7	0 3	21 19	2 13	21 13	21 2	19 50	6 40	6 5
S 21	23 26	6 14	4 33	24 51	1 35	18 24	1 48	28 35	5 3	12 0	1 9	21 10	0 34	12 17	0 28	19 8	0 3	21 19	2 13	21 13	21 2	19 51	6 40	6 5
M22	23 23	1 23	5 3	24 46	1 39	18 40	1 46	28 38	5 5	12 3	1 9	21 8	0 34	12 17	0 28	19 8	0 3	21 19	2 13	21 13	21 3	19 52	6 40	6 6
T 23	23 20	3s40	5 16	24 38	1 43	18 56	1 44	28 40	5 8	12 6	1 10	21 7	0 34	12 18	0 28	19 8	0 3	21 19	2 13	21 13	21 4	19 54	6 41	6 6
W24	23 17	8 41	5 10	24 28	1 46	19 12	1 42	28 42	5 10	12 9	1 10	21 5	0 34	12 19	0 28	19 9	0 3	21 19	2 13	21 13	21 4	19 55	6 41	6 6
T 25	23 13	13 21	4 46	24 16	1 48	19 28	1 40	28 44	5 12	12 12	1 10	21 4	0 34	12 19	0 28	19 9	0 3	21 19	2 13	21 14	21 5	19 56	6 41	6 6
F 26	23 8	17 19	4 1	24 1	1 50	19 42	1 38	28 46	5 14	12 15	1 10	21 2	0 34	12 20	0 29	19 10	0 3	21 19	2 13	21 14	21 5	19 58	6 42	6 7
S 27	23 4	20 12	3 0	23 44	1 50	19 57	1 35	28 48	5 16	12 19	1 10	21 1	0 34	12 20	0 29	19 10	0 3	21 19	2 13	21 14	21 6	19 59	6 42	6 7
S 28	22 59	21 40	1 46	23 24	1 51	20 11	1 33	28 50	5 17	12 21	1 10	20 59	0 34	12 21	0 29	19 10	0 3	21 19	2 13	21 14	21 7	20 0	6 42	6 7
M29	22 53	21 34	0 24	23 3	1 50	20 24	1 31	28 51	5 19	12 24	1 10	20 58	0 34	12 22	0 29	19 11	0 3	21 19	2 13	21 14	21 7	20 1	6 43	6 7
T 30	22n47	19s57	0s58	22n41	1n49	20n37	1s28	28s52	5s20	12n27	1s11	20n56	0n34	12n22	0s29	19s11	0s 3	21n19	2s13	21n14	21n 8	20n 3	6s43	6n 8

Julian Day Number = 2152569.5, Delta T = 14m02s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'36, Lahiri = 12°26'36 Julian Calendar 1 June 1181 == Greg. Calendar 8 June 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

JULY 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 2 35	15♋ 5'47	19♒50	28♋39	11♊22	27°R45	6♉ 6	29♋27	3♉46	4°R49	2♋14	24♋55	25♋28	19♊12	27°R13	W 1
T 2	19 6 31	16° 3'01	3♓55	0♌30	12°33	27♐31	6°15	29°35	3°47	4♒47	2°15	24°56	25°25	19°18	27♒11	T 2
F 3	19 10 28	17° 0'16	17°34	2°20	13°44	27°18	6°24	29°42	3°49	4°45	2°17	24°57	25°22	19°25	27° 9	F 3
S 4	19 14 24	17°57'31	0♈47	4° 8	14°55	27° 5	6°33	29°50	3°50	4°44	2°18	24°57	25°19	19°32	27° 7	S 4
S 5	19 18 21	18°54'47	13°36	5°54	16° 6	26°53	6°41	29°58	3°52	4°42	2°20	24°R58	25°15	19°38	27° 5	S 5
M 6	19 22 17	19°52'05	26° 4	7°39	17°17	26°41	6°50	0♌ 5	3°53	4°41	2°21	24°58	25°12	19°45	27° 2	M 6
T 7	19 26 14	20°49'23	8♉17	9°22	18°28	26°31	6°58	0°13	3°54	4°39	2°23	24°57	25° 9	19°52	27° 0	T 7
W 8	19 30 10	21°46'42	20°18	11° 3	19°39	26°20	7° 6	0°20	3°56	4°38	2°24	24°57	25° 6	19°58	26°58	W 8
T 9	19 34 7	22°44'03	2♊11	12°42	20°51	26°11	7°14	0°28	3°57	4°36	2°26	24°57	25° 3	20° 5	26°56	T 9
F 10	19 38 4	23°41'24	14° 0	14°19	22° 2	26° 2	7°22	0°36	3°58	4°35	2°27	24°57	24°59	20°12	26°53	F 10
S 11	19 42 0	24°38'47	25°49	15°55	23°14	25°54	7°29	0°43	3°59	4°33	2°29	24°D57	24°56	20°18	26°51	S 11
S 12	19 45 57	25°36'10	7♋41	17°29	24°25	25°47	7°37	0°51	4° 0	4°31	2°30	24°57	24°53	20°25	26°49	S 12
M13	19 49 53	26°33'34	19°38	19° 1	25°37	25°41	7°44	0°59	4° 2	4°30	2°31	24°R57	24°50	20°32	26°46	M13
T 14	19 53 50	27°31'00	1♌42	20°32	26°48	25°35	7°52	1° 7	4° 3	4°28	2°33	24°57	24°47	20°38	26°44	T 14
W15	19 57 46	28°28'26	13°56	22° 0	28° 0	25°30	7°59	1°14	4° 3	4°26	2°34	24°56	24°44	20°45	26°41	W15
T 16	20 1 43	29°25'53	26°20	23°27	29°12	25°26	8° 6	1°22	4° 4	4°25	2°36	24°56	24°40	20°52	26°39	T 16
F 17	20 5 40	0♌23'21	8♍57	24°52	0♋24	25°23	8°13	1°30	4° 5	4°23	2°37	24°55	24°37	20°58	26°36	F 17
S 18	20 9 36	1°20'50	21°49	26°16	1°35	25°21	8°19	1°37	4° 6	4°22	2°38	24°55	24°34	21° 5	26°34	S 18
S 19	20 13 33	2°18'19	4♎55	27°37	2°47	25°20	8°26	1°45	4° 7	4°20	2°40	24°54	24°31	21°12	26°31	S 19
M20	20 17 29	3°15'50	18°18	28°57	3°59	25°D19	8°32	1°53	4° 8	4°18	2°41	24°53	24°28	21°18	26°28	M20
T 21	20 21 26	4°13'21	1♏59	0♍14	5°11	25°19	8°38	2° 1	4° 8	4°17	2°42	24°D53	24°25	21°25	26°26	T 21
W22	20 25 22	5°10'53	15°57	1°30	6°23	25°20	8°44	2° 8	4° 9	4°15	2°44	24°53	24°21	21°32	26°23	W22
T 23	20 29 19	6° 8'27	0♐13	2°43	7°36	25°22	8°50	2°16	4° 9	4°13	2°45	24°54	24°18	21°38	26°20	T 23
F 24	20 33 15	7° 6'01	14°43	3°55	8°48	25°25	8°56	2°24	4°10	4°12	2°46	24°55	24°15	21°45	26°17	F 24
S 25	20 37 12	8° 3'36	29°24	5° 4	10° 0	25°29	9° 2	2°31	4°10	4°10	2°48	24°56	24°12	21°52	26°15	S 25
S 26	20 41 9	9° 1'12	14♑11	6°11	11°12	25°33	9° 7	2°39	4°11	4° 9	2°49	24°56	24° 9	21°58	26°12	S 26
M27	20 45 5	9°58'49	28°57	7°15	12°25	25°38	9°12	2°47	4°11	4° 7	2°50	24°R57	24° 5	22° 5	26° 9	M27
T 28	20 49 2	10°56'28	13♒35	8°17	13°37	25°45	9°17	2°54	4°12	4° 5	2°51	24°56	24° 2	22°12	26° 6	T 28
W29	20 52 58	11°54'08	27°59	9°17	14°50	25°51	9°22	3° 2	4°12	4° 4	2°53	24°54	23°59	22°18	26° 3	W29
T 30	20 56 55	12°51'49	12♓ 3	10°13	16° 2	25°59	9°27	3°10	4°12	4° 2	2°54	24°52	23°56	22°25	26° 0	T 30
F 31	21 0 51	13♌49'31	25♓44	11♍ 7	17♋15	26♐ 7	9♉31	3♌17	4♉12	4♒ 0	2♋55	24♋50	23♋53	22♊32	25♒58	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n41	17s 3	2s14	22n16	1n47	20n49	1s26	28s53	5s22	12n30	1s11	20n55	0n34	12n23	0s29	19s11	0s 3	21n19	2s13	21n14	21n 8	20n 4	6s44	6n 8
T 2	22 34	13 13	3 20	21 50	1 45	21 1	1 23	28 54	5 23	12 33	1 11	20 53	0 34	12 23	0 29	19 12	0 3	21 19	2 13	21 14	21 9	20 5	6 44	6 8
F 3	22 27	8 48	4 12	21 23	1 42	21 13	1 21	28 55	5 24	12 36	1 11	20 52	0 34	12 24	0 29	19 12	0 3	21 19	2 13	21 14	21 10	20 6	6 45	6 8
S 4	22 20	4 7	4 50	20 54	1 38	21 23	1 18	28 55	5 25	12 38	1 11	20 50	0 35	12 24	0 29	19 13	0 3	21 19	2 13	21 14	21 10	20 7	6 45	6 8
S 5	22 12	0n37	5 11	20 24	1 34	21 34	1 16	28 56	5 25	12 41	1 11	20 49	0 35	12 25	0 29	19 13	0 3	21 19	2 12	21 14	21 11	20 9	6 46	6 9
M 6	22 4	5 11	5 17	19 53	1 30	21 43	1 13	28 56	5 26	12 44	1 11	20 47	0 35	12 25	0 29	19 13	0 3	21 19	2 12	21 14	21 11	20 10	6 46	6 9
T 7	21 55	9 27	5 9	19 21	1 25	21 52	1 10	28 56	5 26	12 46	1 12	20 46	0 35	12 26	0 29	19 14	0 3	21 19	2 12	21 14	21 12	20 11	6 47	6 9
W 8	21 46	13 17	4 47	18 49	1 20	22 1	1 8	28 56	5 26	12 49	1 12	20 44	0 35	12 26	0 29	19 14	0 3	21 19	2 12	21 14	21 12	20 12	6 47	6 9
T 9	21 37	16 33	4 13	18 15	1 14	22 9	1 5	28 56	5 27	12 51	1 12	20 42	0 35	12 26	0 29	19 14	0 3	21 19	2 12	21 14	21 13	20 14	6 48	6 9
F 10	21 27	19 8	3 28	17 41	1 8	22 16	1 2	28 56	5 27	12 54	1 12	20 41	0 35	12 27	0 29	19 15	0 3	21 19	2 12	21 14	21 14	20 15	6 49	6 10
S 11	21 17	20 54	2 35	17 6	1 1	22 23	0 59	28 55	5 27	12 56	1 12	20 39	0 35	12 27	0 29	19 15	0 3	21 19	2 12	21 14	21 14	20 16	6 49	6 10
S 12	21 7	21 45	1 34	16 31	0 54	22 29	0 56	28 55	5 26	12 58	1 12	20 38	0 35	12 28	0 29	19 16	0 3	21 19	2 12	21 14	21 15	20 17	6 50	6 10
M13	20 56	21 37	0 29	15 56	0 47	22 35	0 54	28 54	5 26	13 1	1 13	20 36	0 35	12 28	0 29	19 16	0 3	21 19	2 12	21 14	21 15	20 18	6 51	6 10
T 14	20 45	20 29	0n37	15 20	0 39	22 40	0 51	28 53	5 25	13 3	1 13	20 34	0 35	12 28	0 29	19 16	0 3	21 19	2 12	21 14	21 16	20 20	6 51	6 10
W15	20 33	18 22	1 44	14 44	0 31	22 44	0 48	28 53	5 25	13 5	1 13	20 33	0 35	12 29	0 29	19 17	0 3	21 19	2 12	21 14	21 16	20 21	6 52	6 10
T 16	20 22	15 23	2 46	14 7	0 23	22 47	0 45	28 52	5 24	13 7	1 13	20 31	0 35	12 29	0 29	19 17	0 3	21 19	2 12	21 14	21 17	20 22	6 53	6 10
F 17	20 9	11 39	3 41	13 31	0 14	22 50	0 42	28 51	5 23	13 9	1 13	20 30	0 36	12 29	0 29	19 18	0 3	21 19	2 12	21 14	21 18	20 23	6 53	6 11
S 18	19 57	7 20	4 26	12 54	0 6	22 53	0 39	28 50	5 23	13 11	1 13	20 28	0 36	12 29	0 29	19 18	0 3	21 19	2 12	21 14	21 18	20 24	6 54	6 11
S 19	19 44	2 36	4 58	12 18	0s 4	22 55	0 36	28 49	5 22	13 13	1 14	20 26	0 36	12 30	0 29	19 18	0 3	21 19	2 12	21 15	21 19	20 26	6 55	6 11
M20	19 31	2s21	5 15	11 42	0 13	22 56	0 33	28 48	5 21	13 15	1 14	20 25	0 36	12 30	0 29	19 19	0 3	21 19	2 12	21 15	21 19	20 27	6 56	6 11
T 21	19 17	7 17	5 15	11 5	0 22	22 56	0 31	28 47	5 19	13 17	1 14	20 23	0 36	12 30	0 29	19 19	0 3	21 19	2 12	21 15	21 20	20 28	6 56	6 11
W22	19 3	11 58	4 56	10 29	0 32	22 56	0 28	28 46	5 18	13 18	1 14	20 21	0 36	12 30	0 29	19 20	0 3	21 19	2 12	21 15	21 20	20 29	6 57	6 11
T 23	18 49	16 4	4 19	9 54	0 42	22 55	0 25	28 45	5 17	13 20	1 14	20 20	0 36	12 30	0 29	19 20	0 3	21 19	2 12	21 15	21 21	20 30	6 58	6 11
F 24	18 35	19 16	3 25	9 19	0 52	22 53	0 22	28 43	5 16	13 22	1 14	20 18	0 36	12 31	0 29	19 20	0 3	21 19	2 12	21 14	21 22	20 31	6 59	6 11
S 25	18 20	21 16	2 17	8 44	1 2	22 51	0 19	28 42	5 14	13 23	1 15	20 16	0 36	12 31	0 29	19 21	0 3	21 19	2 12	21 14	21 22	20 32	7 0	6 11
S 26	18 5	21 48	0 59	8 10	1 12	22 48	0 16	28 41	5 13	13 25	1 15	20 15	0 36	12 31	0 29	19 21	0 3	21 19	2 12	21 14	21 23	20 34	7 1	6 12
M27	17 49	20 49	0s22	7 36	1 23	22 45	0 13	28 39	5 11	13 26	1 15	20 13	0 36	12 31	0 29	19 22	0 3	21 19	2 12	21 14	21 23	20 35	7 2	6 12
T 28	17 34	18 26	1 41	7 3	1 33	22 40	0 10	28 38	5 10	13 28	1 15	20 11	0 36	12 31	0 29	19 22	0 3	21 19	2 12	21 14	21 24	20 36	7 2	6 12
W29	17 18	14 55	2 53	6 31	1 44	22 35	0 7	28 36	5 8	13 29	1 15	20 10	0 37	12 31	0 29	19 22	0 3	21 19	2 12	21 15	21 24	20 37	7 3	6 12
T 30	17 2	10 38	3 52	6 0	1 54	22 30	0 5	28 35	5 6	13 31	1 15	20 8	0 37	12 31	0 29	19 23	0 3	21 19	2 12	21 15	21 25	20 38	7 4	6 12
F 31	16n45	5s55	4s36	5n30	2s 5	22n24	0s 2	28s34	5s 4	13n32	1s16	20n 6	0n37	12n31	0s29	19s23	0s 3	21n19	2s12	21n15	21n25	20n39	7s 5	6n12

Julian Day Number = 2152599.5, Delta T = 14m02s
Ecliptic obliquity = 23°32'39, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'40, Lahiri = 12°26'40 Julian Calendar 1 July 1181 == Greg. Calendar 8 July 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

AUGUST 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 4 48	14♌47'16	9♈ 0	11♍58	18♋27	26♐17	9♉36	3♌25	4♉12	3°R59	2♋56	24°R47	23♋50	22♊38	25°R55	S 1
S 2	21 8 44	15°45'02	21°53	12°45	19°40	26°26	9°40	3°32	4°12	3♒57	2°57	24♋45	23°46	22°45	25♒52	S 2
M 3	21 12 41	16°42'49	4♉24	13°29	20°53	26°37	9°44	3°40	4°R12	3°56	2°59	24°43	23°43	22°52	25°49	M 3
T 4	21 16 37	17°40'39	16°38	14°10	22° 6	26°49	9°48	3°48	4°12	3°54	3° 0	24°D43	23°40	22°58	25°46	T 4
W 5	21 20 34	18°38'30	28°39	14°46	23°19	27° 1	9°51	3°55	4°12	3°53	3° 1	24°43	23°37	23° 5	25°43	W 5
T 6	21 24 31	19°36'23	10♊31	15°19	24°32	27°13	9°55	4° 3	4°12	3°51	3° 2	24°44	23°34	23°12	25°40	T 6
F 7	21 28 27	20°34'18	22°21	15°47	25°45	27°27	9°58	4°10	4°12	3°49	3° 3	24°46	23°31	23°18	25°37	F 7
S 8	21 32 24	21°32'15	4♋11	16°11	26°58	27°41	10° 1	4°18	4°12	3°48	3° 4	24°48	23°27	23°25	25°34	S 8
S 9	21 36 20	22°30'14	16° 6	16°30	28°11	27°56	10° 4	4°25	4°11	3°46	3° 5	24°49	23°24	23°32	25°31	S 9
M10	21 40 17	23°28'14	28°10	16°44	29°24	28°12	10° 7	4°33	4°11	3°45	3° 6	24°R49	23°21	23°38	25°28	M10
T 11	21 44 13	24°26'16	10♌26	16°52	0♌37	28°28	10° 9	4°40	4°11	3°43	3° 7	24°48	23°18	23°45	25°25	T 11
W12	21 48 10	25°24'20	22°55	16°R55	1°50	28°45	10°11	4°47	4°10	3°42	3° 8	24°46	23°15	23°52	25°22	W12
T 13	21 52 6	26°22'25	5♍39	16°52	3° 4	29° 2	10°14	4°55	4°10	3°40	3° 9	24°42	23°11	23°58	25°19	T 13
F 14	21 56 3	27°20'32	18°37	16°43	4°17	29°21	10°15	5° 2	4° 9	3°39	3°10	24°37	23° 8	24° 5	25°16	F 14
S 15	22 0 0	28°18'41	1♎49	16°28	5°30	29°39	10°17	5°10	4° 9	3°37	3°11	24°31	23° 5	24°12	25°13	S 15
S 16	22 3 56	29°16'51	15°15	16° 6	6°44	29°59	10°19	5°17	4° 8	3°36	3°12	24°26	23° 2	24°18	25°10	S 16
M17	22 7 53	0♍15'03	28°53	15°38	7°57	0♑19	10°20	5°24	4° 8	3°35	3°13	24°22	22°59	24°25	25° 7	M17
T 18	22 11 49	1°13'16	12♏41	15° 4	9°11	0°39	10°21	5°31	4° 7	3°33	3°14	24°19	22°56	24°32	25° 4	T 18
W19	22 15 46	2°11'31	26°40	14°24	10°24	1° 1	10°22	5°38	4° 6	3°32	3°15	24°D17	22°52	24°38	25° 1	W19
T 20	22 19 42	3° 9'48	10♐46	13°38	11°38	1°22	10°23	5°46	4° 5	3°30	3°16	24°17	22°49	24°45	24°58	T 20
F 21	22 23 39	4° 8'06	25° 0	12°47	12°52	1°45	10°23	5°53	4° 4	3°29	3°17	24°18	22°46	24°52	24°55	F 21
S 22	22 27 35	5° 6'25	9♑19	11°52	14° 5	2° 7	10°24	6° 0	4° 3	3°28	3°18	24°20	22°43	24°58	24°53	S 22
S 23	22 31 32	6° 4'47	23°40	10°54	15°19	2°31	10°R24	6° 7	4° 3	3°26	3°18	24°R20	22°40	25° 5	24°50	S 23
M24	22 35 29	7° 3'10	8♒ 1	9°53	16°33	2°54	10°24	6°14	4° 2	3°25	3°19	24°20	22°36	25°12	24°47	M24
T 25	22 39 25	8° 1'34	22°16	8°52	17°47	3°19	10°24	6°21	4° 0	3°24	3°20	24°17	22°33	25°18	24°44	T 25
W26	22 43 22	9° 0'00	6♓22	7°50	19° 1	3°44	10°23	6°28	3°59	3°23	3°21	24°12	22°30	25°25	24°41	W26
T 27	22 47 18	9°58'28	20°13	6°51	20°15	4° 9	10°22	6°35	3°58	3°21	3°22	24° 6	22°27	25°32	24°38	T 27
F 28	22 51 15	10°56'59	3♈46	5°55	21°29	4°34	10°22	6°42	3°57	3°20	3°22	23°58	22°24	25°38	24°35	F 28
S 29	22 55 11	11°55'31	16°59	5° 4	22°43	5° 0	10°21	6°48	3°56	3°19	3°23	23°50	22°21	25°45	24°33	S 29
S 30	22 59 8	12°54'05	29°50	4°18	23°57	5°27	10°19	6°55	3°55	3°18	3°24	23°42	22°17	25°52	24°30	S 30
M31	23 3 4	13♍52'42	12♉22	3♍40	25♌11	5♑54	10♉18	7♌ 2	3♉53	3♒17	3♋24	23♋36	22♋14	25♊58	24♒27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n28	1s 4	5s 4	5n 1	2s16	22n17	0n 1	28s32	5s 3	13n33	1s16	20n 4	0n37	12n31	0s29	19s24	0s 3	21n19	2s12	21n16	21n26	20n40	7s 6	6n12
S 2	16 11	3n41	5 15	4 33	2 26	22 9	0 4	28 30	5 1	13 34	1 16	20 3	0 37	12 31	0 29	19 24	0 3	21 19	2 12	21 16	21 27	20 42	7 7	6 12
M 3	15 54	8 10	5 11	4 7	2 37	22 1	0 7	28 29	4 59	13 35	1 16	20 1	0 37	12 31	0 29	19 24	0 3	21 19	2 12	21 16	21 27	20 43	7 8	6 12
T 4	15 36	12 12	4 53	3 41	2 47	21 53	0 9	28 27	4 57	13 36	1 16	19 59	0 37	12 31	0 29	19 25	0 3	21 19	2 12	21 17	21 28	20 44	7 9	6 12
W 5	15 18	15 41	4 22	3 18	2 57	21 43	0 12	28 26	4 55	13 37	1 17	19 58	0 37	12 31	0 29	19 25	0 3	21 19	2 12	21 17	21 28	20 45	7 10	6 12
T 6	15 0	18 30	3 40	2 56	3 7	21 33	0 15	28 24	4 53	13 38	1 17	19 56	0 37	12 31	0 29	19 26	0 3	21 19	2 11	21 16	21 29	20 46	7 11	6 12
F 7	14 42	20 30	2 49	2 36	3 17	21 22	0 17	28 22	4 51	13 39	1 17	19 54	0 37	12 31	0 29	19 26	0 3	21 19	2 11	21 16	21 29	20 47	7 12	6 12
S 8	14 23	21 38	1 51	2 18	3 26	21 11	0 20	28 20	4 49	13 40	1 17	19 53	0 38	12 31	0 29	19 26	0 3	21 19	2 11	21 16	21 30	20 48	7 13	6 12
S 9	14 4	21 47	0 48	2 3	3 35	20 59	0 23	28 18	4 47	13 41	1 17	19 51	0 38	12 31	0 29	19 27	0 3	21 19	2 11	21 15	21 30	20 49	7 14	6 12
M10	13 45	20 55	0n18	1 50	3 44	20 47	0 25	28 17	4 45	13 41	1 18	19 49	0 38	12 31	0 29	19 27	0 3	21 19	2 11	21 15	21 31	20 50	7 15	6 12
T 11	13 26	19 3	1 25	1 39	3 52	20 34	0 28	28 15	4 43	13 42	1 18	19 48	0 38	12 31	0 29	19 27	0 3	21 19	2 11	21 16	21 31	20 51	7 16	6 12
W12	13 7	16 16	2 28	1 31	3 59	20 20	0 30	28 13	4 40	13 42	1 18	19 46	0 38	12 30	0 29	19 28	0 3	21 19	2 11	21 16	21 32	20 52	7 17	6 12
T 13	12 47	12 39	3 25	1 27	4 5	20 5	0 33	28 11	4 38	13 43	1 18	19 44	0 38	12 30	0 29	19 28	0 3	21 19	2 11	21 17	21 33	20 54	7 18	6 12
F 14	12 27	8 23	4 12	1 25	4 11	19 51	0 35	28 9	4 36	13 43	1 18	19 43	0 38	12 30	0 29	19 29	0 3	21 19	2 11	21 18	21 33	20 55	7 19	6 12
S 15	12 7	3 40	4 47	1 27	4 15	19 35	0 38	28 6	4 34	13 44	1 18	19 41	0 38	12 30	0 29	19 29	0 3	21 19	2 11	21 19	21 34	20 56	7 20	6 12
S 16	11 46	1s18	5 7	1 32	4 18	19 19	0 40	28 4	4 32	13 44	1 19	19 39	0 38	12 30	0 29	19 29	0 3	21 19	2 11	21 20	21 34	20 57	7 21	6 12
M17	11 26	6 17	5 10	1 41	4 20	19 2	0 42	28 2	4 29	13 44	1 19	19 37	0 39	12 29	0 29	19 30	0 3	21 19	2 11	21 20	21 35	20 58	7 22	6 12
T 18	11 5	11 1	4 56	1 54	4 21	18 45	0 45	28 0	4 27	13 44	1 19	19 36	0 39	12 29	0 29	19 30	0 3	21 19	2 11	21 21	21 35	20 59	7 23	6 11
W19	10 44	15 14	4 23	2 11	4 19	18 27	0 47	27 57	4 25	13 44	1 19	19 34	0 39	12 29	0 29	19 30	0 3	21 19	2 11	21 21	21 36	21 0	7 24	6 11
T 20	10 23	18 37	3 35	2 31	4 16	18 9	0 49	27 55	4 23	13 45	1 19	19 33	0 39	12 29	0 29	19 31	0 3	21 19	2 11	21 21	21 36	21 1	7 25	6 11
F 21	10 2	20 54	2 33	2 55	4 12	17 50	0 51	27 52	4 20	13 45	1 20	19 31	0 39	12 28	0 29	19 31	0 3	21 19	2 11	21 21	21 37	21 2	7 26	6 11
S 22	9 41	21 52	1 21	3 22	4 5	17 31	0 53	27 50	4 18	13 44	1 20	19 29	0 39	12 28	0 29	19 31	0 3	21 19	2 11	21 21	21 37	21 3	7 27	6 11
S 23	9 19	21 24	0 4	3 52	3 56	17 11	0 55	27 47	4 16	13 44	1 20	19 28	0 39	12 28	0 29	19 32	0 3	21 19	2 11	21 21	21 38	21 4	7 28	6 11
M24	8 58	19 32	1s14	4 25	3 46	16 51	0 57	27 44	4 13	13 44	1 20	19 26	0 39	12 27	0 29	19 32	0 3	21 19	2 11	21 21	21 38	21 5	7 29	6 11
T 25	8 36	16 26	2 25	5 0	3 33	16 30	0 59	27 41	4 11	13 44	1 20	19 24	0 39	12 27	0 30	19 32	0 3	21 19	2 11	21 21	21 39	21 6	7 30	6 11
W26	8 14	12 25	3 27	5 36	3 19	16 9	1 1	27 38	4 9	13 44	1 20	19 23	0 40	12 26	0 30	19 32	0 3	21 19	2 11	21 22	21 39	21 7	7 32	6 11
T 27	7 52	7 49	4 16	6 12	3 3	15 47	1 3	27 35	4 7	13 43	1 21	19 21	0 40	12 26	0 30	19 33	0 3	21 19	2 11	21 23	21 40	21 8	7 33	6 10
F 28	7 30	2 55	4 49	6 49	2 46	15 25	1 4	27 32	4 4	13 43	1 21	19 19	0 40	12 26	0 30	19 33	0 3	21 19	2 11	21 25	21 40	21 9	7 34	6 10
S 29	7 7	2n 0	5 5	7 25	2 27	15 3	1 6	27 29	4 2	13 42	1 21	19 18	0 40	12 25	0 30	19 33	0 3	21 19	2 11	21 26	21 41	21 10	7 35	6 10
S 30	6 45	6 41	5 6	7 59	2 8	14 40	1 8	27 25	4 0	13 42	1 21	19 16	0 40	12 25	0 30	19 34	0 3	21 19	2 11	21 27	21 42	21 11	7 36	6 10
M31	6n22	10n59	4s51	8n31	1s48	14n16	1n 9	27s22	3s57	13n41	1s21	19n15	0n40	12n24	0s30	19s34	0s 3	21n19	2s11	21n28	21n42	21n12	7s37	6n10

Julian Day Number = 2152630.5, Delta T = 14m02s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'44, Lahiri = 12°26'45 Julian Calendar 1 Aug. 1181 == Greg. Calendar 8 Aug. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

SEPTEMBER 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 1	14♍51'20	24♉36	3°R11	26♌25	6♎21	10°R16	7♌ 8	3°R52	3°R15	3♋25	23°R32	22♋11	26♊ 5	24°R24	T 1
W 2	23 10 58	15°50'01	6♊37	2♍50	27°39	6°49	10♉14	7°15	3♉51	3♒14	3°26	23♋29	22° 8	26°12	24♒22	W 2
T 3	23 14 54	16°48'45	18°30	2°39	28°54	7°17	10°12	7°22	3°49	3°13	3°26	23°D29	22° 5	26°18	24°19	T 3
F 4	23 18 51	17°47'30	0♋19	2°D37	0♍ 8	7°46	10°10	7°28	3°48	3°12	3°27	23°29	22° 2	26°25	24°16	F 4
S 5	23 22 47	18°46'18	12°10	2°46	1°22	8°15	10° 8	7°35	3°46	3°11	3°27	23°30	21°58	26°32	24°14	S 5
S 6	23 26 44	19°45'09	24° 7	3° 4	2°37	8°44	10° 5	7°41	3°45	3°10	3°28	23°R31	21°55	26°38	24°11	S 6
M 7	23 30 40	20°44'01	6♌17	3°32	3°51	9°14	10° 2	7°47	3°43	3° 9	3°28	23°30	21°52	26°45	24° 8	M 7
T 8	23 34 37	21°42'56	18°42	4° 9	5° 5	9°44	9°59	7°54	3°41	3° 8	3°29	23°27	21°49	26°52	24° 6	T 8
W 9	23 38 33	22°41'53	1♍25	4°55	6°20	10°14	9°56	8° 0	3°40	3° 7	3°29	23°22	21°46	26°58	24° 3	W 9
T 10	23 42 30	23°40'51	14°27	5°49	7°34	10°45	9°52	8° 6	3°38	3° 6	3°30	23°14	21°42	27° 5	24° 1	T 10
F 11	23 46 27	24°39'52	27°48	6°51	8°49	11°16	9°49	8°12	3°36	3° 6	3°30	23° 4	21°39	27°12	23°58	F 11
S 12	23 50 23	25°38'56	11♎26	7°59	10° 4	11°47	9°45	8°18	3°34	3° 5	3°30	22°53	21°36	27°18	23°56	S 12
S 13	23 54 20	26°38'01	25°18	9°14	11°18	12°19	9°41	8°24	3°33	3° 4	3°31	22°43	21°33	27°25	23°54	S 13
M14	23 58 16	27°37'08	9♏20	10°34	12°33	12°51	9°37	8°30	3°31	3° 3	3°31	22°34	21°30	27°32	23°51	M14
T 15	0 2 13	28°36'17	23°27	11°59	13°47	13°24	9°32	8°36	3°29	3° 2	3°31	22°27	21°27	27°38	23°49	T 15
W16	0 6 9	29°35'27	7♐37	13°28	15° 2	13°56	9°28	8°42	3°27	3° 2	3°32	22°23	21°23	27°45	23°47	W16
T 17	0 10 6	0♎34'40	21°46	15° 0	16°17	14°29	9°23	8°48	3°25	3° 1	3°32	22°21	21°20	27°52	23°45	T 17
F 18	0 14 2	1°33'55	5♎53	16°35	17°32	15° 2	9°18	8°53	3°23	3° 0	3°32	22°D21	21°17	27°58	23°42	F 18
S 19	0 17 59	2°33'11	19°58	18°12	18°46	15°36	9°13	8°59	3°21	3° 0	3°32	22°R21	21°14	28° 5	23°40	S 19
S 20	0 21 55	3°32'29	3♒58	19°52	20° 1	16°10	9° 8	9° 5	3°19	2°59	3°32	22°21	21°11	28°12	23°38	S 20
M21	0 25 52	4°31'49	17°53	21°33	21°16	16°44	9° 3	9°10	3°17	2°58	3°33	22°18	21° 8	28°18	23°36	M21
T 22	0 29 49	5°31'10	1♓42	23°15	22°31	17°18	8°57	9°15	3°15	2°58	3°33	22°13	21° 4	28°25	23°34	T 22
W23	0 33 45	6°30'34	15°23	24°58	23°46	17°52	8°51	9°21	3°13	2°57	3°33	22° 5	21° 1	28°31	23°32	W23
T 24	0 37 42	7°29'59	28°52	26°41	25° 1	18°27	8°45	9°26	3°11	2°57	3°33	21°55	20°58	28°38	23°30	T 24
F 25	0 41 38	8°29'26	12♈ 8	28°25	26°16	19° 2	8°39	9°31	3° 8	2°56	3°33	21°43	20°55	28°45	23°29	F 25
S 26	0 45 35	9°28'56	25° 8	0♎ 9	27°31	19°37	8°33	9°36	3° 6	2°56	3°33	21°30	20°52	28°51	23°27	S 26
S 27	0 49 31	10°28'28	7♉51	1°54	28°46	20°13	8°27	9°41	3° 4	2°56	3°R33	21°17	20°48	28°58	23°25	S 27
M28	0 53 28	11°28'01	20°18	3°38	0♎ 1	20°48	8°21	9°46	3° 2	2°55	3°33	21° 7	20°45	29° 5	23°23	M28
T 29	0 57 24	12°27'38	2♊29	5°21	1°16	21°24	8°14	9°51	2°59	2°55	3°33	20°58	20°42	29°11	23°22	T 29
W30	1 1 21	13♎27'16	14♊29	7♎ 5	2♎31	22♎ 0	8♉ 7	9♌56	2♉57	2♒55	3♋33	20♋53	20♋39	29♊18	23♒20	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n59	14n44	4s24	9n 0	1s29	13n53	1n11	27s18	3s55	13n40	1s22	19n13	0n40	12n24	0s30	19s34	0s 3	21n19	2s11	21n29	21n43	21n13	7s38	6n10
W 2	5 37	17 49	3 45	9 26	1 9	13 28	1 12	27 15	3 53	13 40	1 22	19 11	0 40	12 23	0 30	19 34	0 3	21 19	2 11	21 30	21 43	21 14	7 39	6 9
T 3	5 14	20 6	2 57	9 48	0 50	13 4	1 14	27 11	3 50	13 39	1 22	19 10	0 41	12 23	0 30	19 35	0 3	21 19	2 11	21 30	21 44	21 15	7 40	6 9
F 4	4 51	21 31	2 1	10 7	0 31	12 39	1 15	27 7	3 48	13 38	1 22	19 8	0 41	12 22	0 30	19 35	0 3	21 19	2 11	21 29	21 44	21 16	7 41	6 9
S 5	4 28	21 59	1 1	10 20	0 13	12 13	1 16	27 3	3 46	13 37	1 22	19 7	0 41	12 22	0 30	19 35	0 3	21 19	2 11	21 29	21 45	21 17	7 42	6 9
S 6	4 5	21 26	0n 3	10 30	0n 4	11 48	1 18	26 58	3 44	13 36	1 22	19 5	0 41	12 21	0 30	19 35	0 3	21 19	2 11	21 29	21 45	21 18	7 43	6 9
M 7	3 41	19 53	1 8	10 34	0 20	11 22	1 19	26 54	3 41	13 35	1 22	19 4	0 41	12 21	0 30	19 36	0 3	21 19	2 11	21 29	21 46	21 19	7 44	6 8
T 8	3 18	17 21	2 11	10 34	0 35	10 55	1 20	26 49	3 39	13 34	1 23	19 2	0 41	12 20	0 30	19 36	0 4	21 19	2 11	21 30	21 46	21 20	7 45	6 8
W 9	2 55	13 57	3 8	10 30	0 49	10 29	1 21	26 45	3 37	13 33	1 23	19 1	0 41	12 20	0 30	19 36	0 4	21 19	2 11	21 31	21 47	21 21	7 46	6 8
T 10	2 31	9 48	3 57	10 22	1 1	10 2	1 22	26 40	3 34	13 32	1 23	18 59	0 41	12 19	0 30	19 36	0 4	21 19	2 11	21 32	21 47	21 22	7 47	6 8
F 11	2 8	5 4	4 35	10 9	1 12	9 35	1 23	26 35	3 32	13 30	1 23	18 58	0 42	12 18	0 30	19 37	0 4	21 19	2 11	21 34	21 48	21 23	7 48	6 7
S 12	1 44	0 1	4 57	9 52	1 21	9 7	1 23	26 30	3 30	13 29	1 23	18 56	0 42	12 18	0 30	19 37	0 4	21 19	2 11	21 36	21 48	21 24	7 49	6 7
S 13	1 21	5s 8	5 3	9 32	1 30	8 39	1 24	26 25	3 28	13 28	1 23	18 55	0 42	12 17	0 30	19 37	0 4	21 19	2 11	21 37	21 49	21 25	7 50	6 7
M14	0 57	10 4	4 51	9 8	1 37	8 11	1 25	26 20	3 25	13 26	1 23	18 54	0 42	12 17	0 30	19 37	0 4	21 19	2 11	21 39	21 49	21 26	7 51	6 7
T 15	0 33	14 31	4 21	8 41	1 43	7 43	1 26	26 14	3 23	13 25	1 24	18 52	0 42	12 16	0 30	19 37	0 4	21 19	2 11	21 40	21 50	21 27	7 52	6 6
W16	0 10	18 9	3 34	8 11	1 48	7 15	1 26	26 8	3 21	13 23	1 24	18 51	0 42	12 15	0 30	19 38	0 4	21 19	2 11	21 41	21 50	21 27	7 53	6 6
T 17	0s14	20 43	2 35	7 39	1 51	6 46	1 27	26 3	3 19	13 21	1 24	18 49	0 42	12 15	0 30	19 38	0 4	21 19	2 11	21 41	21 51	21 28	7 54	6 6
F 18	0 38	21 58	1 26	7 4	1 54	6 17	1 27	25 57	3 16	13 20	1 24	18 48	0 43	12 14	0 30	19 38	0 4	21 19	2 11	21 41	21 51	21 29	7 55	6 6
S 19	1 1	21 51	0 13	6 27	1 56	5 48	1 27	25 50	3 14	13 18	1 24	18 47	0 43	12 13	0 30	19 38	0 4	21 19	2 11	21 41	21 52	21 30	7 56	6 5
S 20	1 25	20 20	1s 1	5 49	1 56	5 19	1 28	25 44	3 12	13 16	1 24	18 45	0 43	12 12	0 30	19 38	0 4	21 19	2 11	21 41	21 52	21 31	7 57	6 5
M21	1 48	17 37	2 11	5 9	1 56	4 49	1 28	25 38	3 10	13 15	1 24	18 44	0 43	12 12	0 30	19 38	0 4	21 19	2 11	21 41	21 53	21 32	7 58	6 5
T 22	2 12	13 55	3 13	4 28	1 56	4 20	1 28	25 31	3 7	13 13	1 24	18 43	0 43	12 11	0 30	19 38	0 4	21 19	2 11	21 42	21 53	21 33	7 59	6 4
W23	2 36	9 30	4 2	3 45	1 54	3 50	1 28	25 24	3 5	13 11	1 24	18 41	0 43	12 10	0 30	19 39	0 4	21 19	2 11	21 43	21 54	21 34	8 0	6 4
T 24	2 59	4 41	4 37	3 2	1 52	3 20	1 28	25 17	3 3	13 9	1 25	18 40	0 43	12 10	0 30	19 39	0 4	21 19	2 11	21 45	21 54	21 35	8 1	6 4
F 25	3 23	0n16	4 57	2 18	1 50	2 50	1 28	25 10	3 1	13 7	1 25	18 39	0 44	12 9	0 30	19 39	0 4	21 19	2 11	21 47	21 55	21 36	8 2	6 3
S 26	3 46	5 7	5 0	1 34	1 46	2 20	1 28	25 3	2 59	13 5	1 25	18 38	0 44	12 8	0 30	19 39	0 4	21 19	2 11	21 49	21 55	21 36	8 3	6 3
S 27	4 10	9 38	4 49	0 49	1 43	1 50	1 28	24 56	2 57	13 3	1 25	18 36	0 44	12 7	0 30	19 39	0 4	21 19	2 11	21 51	21 56	21 37	8 3	6 3
M28	4 33	13 40	4 23	0 4	1 39	1 20	1 27	24 48	2 54	13 1	1 25	18 35	0 44	12 7	0 30	19 39	0 4	21 19	2 11	21 53	21 56	21 38	8 4	6 2
T 29	4 57	17 3	3 46	0s42	1 34	0 50	1 27	24 40	2 52	12 58	1 25	18 34	0 44	12 6	0 30	19 39	0 4	21 19	2 11	21 54	21 57	21 39	8 5	6 2
W30	5s20	19n40	3s 0	1s27	1n30	0n19	1n27	24s32	2s50	12n56	1s25	18n33	0n44	12n 5	0s30	19s39	0s 4	21n19	2s11	21n55	21n57	21n40	8s 6	6n 2

Julian Day Number = 2152661.5, Delta T = 14m02s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'48, Lahiri = 12°26'49 Julian Calendar 1 Sept. 1181 == Greg. Calendar 8 Sept. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

OCTOBER 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 18	14♎26'57	26♊20	8♎48	3♎46	22♑36	8°R 0	10♌ 1	2°R55	2°R54	3°R33	20°R50	20♋36	29♊25	23°R19	T 1
F 2	1 9 14	15°26'40	8♋ 8	10°31	5° 1	23°12	7♉54	10° 5	2♉53	2♒54	3♋33	20♋49	20°33	29°31	23♒17	F 2
S 3	1 13 11	16°26'25	19°58	12°13	6°16	23°49	7°46	10°10	2°50	2°54	3°33	20°49	20°29	29°38	23°16	S 3
S 4	1 17 7	17°26'13	1♌55	13°55	7°31	24°26	7°39	10°14	2°48	2°54	3°33	20°48	20°26	29°45	23°14	S 4
M 5	1 21 4	18°26'02	14° 6	15°36	8°47	25° 3	7°32	10°19	2°45	2°54	3°32	20°47	20°23	29°51	23°13	M 5
T 6	1 25 0	19°25'54	26°34	17°17	10° 2	25°40	7°25	10°23	2°43	2°54	3°32	20°43	20°20	29°58	23°12	T 6
W 7	1 28 57	20°25'49	9♍24	18°57	11°17	26°17	7°17	10°27	2°41	2°54	3°32	20°37	20°17	0♋ 5	23°10	W 7
T 8	1 32 53	21°25'45	22°38	20°37	12°32	26°55	7°10	10°31	2°38	2°D53	3°32	20°28	20°13	0°11	23° 9	T 8
F 9	1 36 50	22°25'43	6♎17	22°16	13°47	27°32	7° 2	10°35	2°36	2°53	3°32	20°16	20°10	0°18	23° 8	F 9
S 10	1 40 47	23°25'44	20°17	23°55	15° 3	28°10	6°54	10°39	2°33	2°54	3°31	20° 4	20° 7	0°25	23° 7	S 10
S 11	1 44 43	24°25'46	4♏35	25°33	16°18	28°48	6°46	10°43	2°31	2°54	3°31	19°51	20° 4	0°31	23° 6	S 11
M12	1 48 40	25°25'51	19° 4	27°11	17°33	29°26	6°39	10°47	2°28	2°54	3°31	19°41	20° 1	0°38	23° 5	M12
T 13	1 52 36	26°25'57	3♐38	28°48	18°49	0♒ 4	6°31	10°50	2°26	2°54	3°30	19°32	19°58	0°45	23° 4	T 13
W14	1 56 33	27°26'05	18° 9	0♏25	20° 4	0°43	6°23	10°54	2°24	2°54	3°30	19°27	19°54	0°51	23° 3	W14
T 15	2 0 29	28°26'15	2♑34	2° 1	21°19	1°21	6°15	10°57	2°21	2°54	3°29	19°24	19°51	0°58	23° 3	T 15
F 16	2 4 26	29°26'26	16°48	3°37	22°35	2° 0	6° 7	11° 1	2°19	2°54	3°29	19°D23	19°48	1° 5	23° 2	F 16
S 17	2 8 22	0♏26'38	0♒51	5°12	23°50	2°39	5°59	11° 4	2°16	2°55	3°29	19°R23	19°45	1°11	23° 1	S 17
S 18	2 12 19	1°26'53	14°41	6°47	25° 5	3°18	5°50	11° 7	2°14	2°55	3°28	19°23	19°42	1°18	23° 1	S 18
M19	2 16 16	2°27'08	28°20	8°22	26°21	3°57	5°42	11°10	2°11	2°55	3°28	19°20	19°39	1°24	23° 0	M19
T 20	2 20 12	3°27'25	11♓47	9°56	27°36	4°36	5°34	11°13	2° 9	2°56	3°27	19°15	19°35	1°31	23° 0	T 20
W21	2 24 9	4°27'44	25° 4	11°30	28°51	5°15	5°26	11°16	2° 6	2°56	3°27	19° 8	19°32	1°38	22°59	W21
T 22	2 28 5	5°28'04	8♈10	13° 4	0♏ 7	5°55	5°18	11°19	2° 4	2°57	3°26	18°57	19°29	1°44	22°59	T 22
F 23	2 32 2	6°28'25	21° 4	14°37	1°22	6°34	5°10	11°22	2° 1	2°57	3°25	18°45	19°26	1°51	22°59	F 23
S 24	2 35 58	7°28'49	3♉46	16°10	2°38	7°14	5° 1	11°24	1°59	2°58	3°25	18°32	19°23	1°58	22°59	S 24
S 25	2 39 55	8°29'14	16°15	17°43	3°53	7°54	4°53	11°27	1°56	2°58	3°24	18°19	19°19	2° 4	22°58	S 25
M26	2 43 51	9°29'41	28°31	19°15	5° 9	8°33	4°45	11°29	1°54	2°59	3°23	18° 8	19°16	2°11	22°58	M26
T 27	2 47 48	10°30'09	10♊37	20°47	6°24	9°13	4°37	11°31	1°51	2°59	3°23	18° 0	19°13	2°18	22°D58	T 27
W28	2 51 44	11°30'39	22°32	22°19	7°39	9°53	4°29	11°33	1°49	3° 0	3°22	17°54	19°10	2°24	22°58	W28
T 29	2 55 41	12°31'11	4♋21	23°50	8°55	10°33	4°21	11°35	1°46	3° 1	3°21	17°50	19° 7	2°31	22°58	T 29
F 30	2 59 38	13°31'45	16° 8	25°21	10°10	11°13	4°13	11°37	1°44	3° 2	3°21	17°D49	19° 4	2°38	22°59	F 30
S 31	3 3 34	14♏32'21	27♋56	26♏52	11♏26	11♒54	4♉ 5	11♌39	1♉42	3♒ 2	3♋20	17♋50	19♋ 0	2♋44	22♒59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s43	21n24	2s 6	2s12	1n25	0s11	1n26	24s24	2s48	12n54	1s25	18n32	0n45	12n 4	0s30	19s39	0s 4	21n19	2s11	21n55	21n58	21n41	8s 7	6n 1
F 2	6 6	22 11	1 7	2 58	1 19	0 42	1 26	24 16	2 46	12 52	1 25	18 31	0 45	12 3	0 30	19 39	0 4	21 19	2 11	21 56	21 58	21 42	8 8	6 1
S 3	6 29	21 59	0 4	3 43	1 14	1 12	1 25	24 7	2 44	12 49	1 25	18 30	0 45	12 3	0 30	19 39	0 4	21 19	2 11	21 56	21 58	21 42	8 8	6 1
S 4	6 52	20 46	0n59	4 28	1 8	1 42	1 24	23 59	2 42	12 47	1 25	18 29	0 45	12 2	0 30	19 40	0 4	21 19	2 11	21 56	21 59	21 43	8 9	6 0
M 5	7 15	18 35	2 0	5 13	1 2	2 13	1 24	23 50	2 40	12 45	1 25	18 28	0 45	12 1	0 30	19 40	0 4	21 19	2 11	21 56	21 59	21 44	8 10	6 0
T 6	7 38	15 29	2 57	5 57	0 56	2 43	1 23	23 41	2 37	12 42	1 25	18 27	0 45	12 0	0 30	19 40	0 4	21 19	2 11	21 56	22 0	21 45	8 11	6 0
W 7	8 1	11 35	3 47	6 41	0 50	3 13	1 22	23 32	2 35	12 40	1 25	18 26	0 46	11 59	0 30	19 40	0 4	21 19	2 11	21 57	22 0	21 46	8 11	5 59
T 8	8 24	7 0	4 26	7 25	0 43	3 44	1 21	23 22	2 33	12 37	1 25	18 25	0 46	11 59	0 30	19 40	0 4	21 19	2 11	21 59	22 1	21 47	8 12	5 59
F 9	8 46	1 57	4 52	8 8	0 37	4 14	1 20	23 13	2 31	12 35	1 25	18 24	0 46	11 58	0 30	19 40	0 4	21 19	2 11	22 0	22 1	21 47	8 13	5 59
S 10	9 8	3s19	5 0	8 51	0 30	4 44	1 19	23 3	2 29	12 32	1 25	18 23	0 46	11 57	0 30	19 40	0 4	21 19	2 11	22 2	22 2	21 48	8 14	5 58
S 11	9 31	8 32	4 51	9 33	0 24	5 14	1 18	22 53	2 27	12 30	1 25	18 22	0 46	11 56	0 30	19 40	0 4	21 19	2 11	22 4	22 2	21 49	8 14	5 58
M12	9 53	13 22	4 22	10 15	0 17	5 44	1 17	22 43	2 25	12 27	1 25	18 21	0 46	11 55	0 30	19 40	0 4	21 19	2 11	22 6	22 3	21 50	8 15	5 58
T 13	10 15	17 25	3 37	10 56	0 11	6 14	1 16	22 33	2 23	12 25	1 25	18 20	0 47	11 54	0 30	19 40	0 4	21 19	2 11	22 7	22 3	21 51	8 15	5 57
W14	10 36	20 24	2 37	11 36	0 4	6 44	1 15	22 23	2 21	12 22	1 25	18 19	0 47	11 53	0 30	19 40	0 4	21 19	2 11	22 8	22 4	21 51	8 16	5 57
T 15	10 58	22 3	1 28	12 16	0s 3	7 13	1 13	22 12	2 19	12 19	1 25	18 19	0 47	11 53	0 30	19 40	0 4	21 19	2 11	22 8	22 4	21 52	8 17	5 56
F 16	11 19	22 15	0 14	12 55	0 9	7 43	1 12	22 2	2 17	12 17	1 25	18 18	0 47	11 52	0 30	19 39	0 4	21 19	2 11	22 8	22 5	21 53	8 17	5 56
S 17	11 41	21 2	1s 0	13 34	0 16	8 12	1 10	21 51	2 15	12 14	1 25	18 17	0 47	11 51	0 30	19 39	0 4	21 19	2 11	22 8	22 5	21 54	8 18	5 56
S 18	12 2	18 34	2 10	14 12	0 23	8 41	1 9	21 40	2 13	12 12	1 25	18 16	0 47	11 50	0 30	19 39	0 4	21 19	2 11	22 8	22 6	21 55	8 18	5 55
M19	12 23	15 5	3 11	14 49	0 29	9 10	1 7	21 29	2 11	12 9	1 25	18 16	0 48	11 49	0 30	19 39	0 4	21 19	2 11	22 9	22 6	21 55	8 19	5 55
T 20	12 43	10 52	4 0	15 26	0 36	9 38	1 6	21 17	2 9	12 6	1 25	18 15	0 48	11 48	0 30	19 39	0 4	21 19	2 11	22 9	22 6	21 56	8 19	5 55
W21	13 4	6 11	4 36	16 1	0 42	10 7	1 4	21 6	2 8	12 4	1 25	18 14	0 48	11 48	0 30	19 39	0 4	21 19	2 11	22 10	22 7	21 57	8 20	5 54
T 22	13 24	1 17	4 56	16 36	0 49	10 35	1 3	20 54	2 6	12 1	1 24	18 14	0 48	11 47	0 30	19 39	0 4	21 19	2 11	22 12	22 7	21 58	8 20	5 54
F 23	13 44	3n36	5 1	17 10	0 55	11 3	1 1	20 42	2 4	11 58	1 24	18 13	0 48	11 46	0 30	19 39	0 4	21 19	2 11	22 14	22 8	21 58	8 21	5 53
S 24	14 4	8 16	4 51	17 43	1 1	11 31	0 59	20 30	2 2	11 56	1 24	18 13	0 48	11 45	0 30	19 39	0 4	21 19	2 11	22 15	22 8	21 59	8 21	5 53
S 25	14 24	12 30	4 27	18 16	1 7	11 58	0 57	20 18	2 0	11 53	1 24	18 12	0 49	11 44	0 30	19 39	0 4	21 19	2 11	22 17	22 9	22 0	8 22	5 53
M26	14 43	16 10	3 51	18 47	1 13	12 25	0 56	20 6	1 58	11 51	1 24	18 12	0 49	11 43	0 30	19 39	0 4	21 19	2 11	22 19	22 9	22 1	8 22	5 52
T 27	15 2	19 5	3 5	19 18	1 19	12 52	0 54	19 54	1 56	11 48	1 24	18 11	0 49	11 42	0 30	19 38	0 4	21 19	2 11	22 20	22 10	22 1	8 23	5 52
W28	15 21	21 10	2 11	19 47	1 25	13 19	0 52	19 41	1 54	11 45	1 24	18 11	0 49	11 42	0 30	19 38	0 4	21 19	2 11	22 21	22 10	22 2	8 23	5 51
T 29	15 40	22 17	1 11	20 16	1 30	13 45	0 50	19 28	1 53	11 43	1 24	18 10	0 49	11 41	0 30	19 38	0 4	21 20	2 11	22 21	22 11	22 3	8 23	5 51
F 30	15 58	22 25	0 9	20 44	1 36	14 11	0 48	19 15	1 51	11 40	1 24	18 10	0 50	11 40	0 30	19 38	0 4	21 20	2 11	22 21	22 11	22 4	8 24	5 51
S 31	16s16	21n33	0n54	21s11	1s41	14s36	0n46	19s 2	1s49	11n38	1s23	18n10	0n50	11n39	0s30	19s38	0s 4	21n20	2s11	22n21	22n11	22n 4	8s24	5n50

Julian Day Number = 2152691.5, Delta T = 14m01s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'53, Lahiri = 12°26'53 Julian Calendar 1 Oct. 1181 == Greg. Calendar 8 Oct. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

NOVEMBER 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 31	15♏32'58	9♌51	28♏23	12♏41	12♒34	3°R57	11♌41	1°R39	3♒ 3	3°R19	17°R50	18♋57	2♋51	22♒59	S 1
M 2	3 11 27	16°33'37	21°59	29°54	13°57	13°14	3♉49	11°43	1♉37	3° 4	3♋18	17♋50	18°54	2°58	22°59	M 2
T 3	3 15 24	17°34'18	4♍25	1♐24	15°12	13°55	3°42	11°44	1°35	3° 5	3°18	17°49	18°51	3° 4	23° 0	T 3
W 4	3 19 20	18°35'00	17°14	2°53	16°28	14°35	3°34	11°45	1°32	3° 6	3°17	17°45	18°48	3°11	23° 0	W 4
T 5	3 23 17	19°35'45	0♎29	4°23	17°43	15°16	3°26	11°47	1°30	3° 7	3°16	17°39	18°44	3°18	23° 1	T 5
F 6	3 27 13	20°36'30	14°12	5°52	18°59	15°57	3°19	11°48	1°27	3° 7	3°15	17°31	18°41	3°24	23° 1	F 6
S 7	3 31 10	21°37'17	28°22	7°20	20°14	16°38	3°12	11°49	1°25	3° 8	3°14	17°22	18°38	3°31	23° 2	S 7
S 8	3 35 7	22°38'06	12♏56	8°49	21°30	17°18	3° 4	11°50	1°23	3° 9	3°13	17°12	18°35	3°37	23° 3	S 8
M 9	3 39 3	23°38'56	27°46	10°16	22°45	17°59	2°57	11°51	1°21	3°11	3°12	17° 4	18°32	3°44	23° 3	M 9
T 10	3 43 0	24°39'48	12♐44	11°43	24° 1	18°40	2°50	11°51	1°18	3°12	3°11	16°58	18°29	3°51	23° 4	T 10
W11	3 46 56	25°40'40	27°41	13°10	25°16	19°21	2°43	11°52	1°16	3°13	3°11	16°54	18°25	3°57	23° 5	W11
T 12	3 50 53	26°41'34	12♑29	14°35	26°32	20° 2	2°36	11°53	1°14	3°14	3°10	16°D52	18°22	4° 4	23° 6	T 12
F 13	3 54 49	27°42'28	27° 1	16° 0	27°47	20°44	2°30	11°53	1°12	3°15	3° 9	16°52	18°19	4°11	23° 7	F 13
S 14	3 58 46	28°43'23	11♒16	17°23	29° 3	21°25	2°23	11°53	1°10	3°16	3° 8	16°54	18°16	4°17	23° 8	S 14
S 15	4 2 43	29°44'19	25°11	18°46	0♐18	22° 6	2°17	11°53	1° 8	3°17	3° 7	16°R54	18°13	4°24	23° 9	S 15
M16	4 6 39	0♐45'16	8♓46	20° 7	1°34	22°47	2°10	11°R53	1° 6	3°19	3° 6	16°54	18°10	4°31	23°11	M16
T 17	4 10 36	1°46'13	22° 4	21°26	2°49	23°29	2° 4	11°53	1° 4	3°20	3° 5	16°52	18° 6	4°37	23°12	T 17
W18	4 14 32	2°47'12	5♈ 5	22°44	4° 5	24°10	1°58	11°53	1° 2	3°21	3° 4	16°48	18° 3	4°44	23°13	W18
T 19	4 18 29	3°48'10	17°52	23°59	5°20	24°52	1°52	11°53	1° 0	3°23	3° 2	16°42	18° 0	4°51	23°14	T 19
F 20	4 22 25	4°49'10	0♉27	25°11	6°36	25°33	1°47	11°52	0°58	3°24	3° 1	16°35	17°57	4°57	23°16	F 20
S 21	4 26 22	5°50'10	12°51	26°21	7°51	26°15	1°41	11°52	0°56	3°25	3° 0	16°27	17°54	5° 4	23°17	S 21
S 22	4 30 18	6°51'11	25° 4	27°27	9° 7	26°56	1°36	11°51	0°54	3°27	2°59	16°19	17°50	5°11	23°19	S 22
M23	4 34 15	7°52'13	7♊ 9	28°30	10°22	27°38	1°31	11°51	0°52	3°28	2°58	16°12	17°47	5°17	23°21	M23
T 24	4 38 12	8°53'16	19° 6	29°27	11°38	28°19	1°26	11°50	0°50	3°30	2°57	16° 7	17°44	5°24	23°22	T 24
W25	4 42 8	9°54'19	0♋57	0♑20	12°53	29° 1	1°21	11°49	0°48	3°31	2°56	16° 4	17°41	5°31	23°24	W25
T 26	4 46 5	10°55'24	12°45	1° 6	14° 9	29°43	1°16	11°48	0°47	3°33	2°55	16°D 3	17°38	5°37	23°26	T 26
F 27	4 50 1	11°56'29	24°31	1°46	15°24	0♓25	1°12	11°46	0°45	3°34	2°54	16° 3	17°35	5°44	23°27	F 27
S 28	4 53 58	12°57'35	6♌20	2°18	16°40	1° 6	1° 7	11°45	0°43	3°36	2°52	16° 4	17°31	5°50	23°29	S 28
S 29	4 57 54	13°58'41	18°16	2°42	17°55	1°48	1° 3	11°44	0°42	3°38	2°51	16° 6	17°28	5°57	23°31	S 29
M30	5 1 51	14♐59'49	0♍22	2♑56	19♐11	2♓30	0♉59	11♌42	0♉40	3♒39	2♋50	16♋ 8	17♋25	6♋ 4	23♒33	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s34	19n42	1n55	21s36	1s46	15s 1	0n44	18s49	1s47	11n35	1s23	18n 9	0n50	11n38	0s30	19s38	0s 4	21n20	2s11	22n21	22n12	22n 5	8s24	5n50
M 2	16 52	16 57	2 52	22 1	1 50	15 26	0 42	18 36	1 45	11 33	1 23	18 9	0 50	11 37	0 30	19 37	0 4	21 20	2 11	22 21	22 12	22 6	8 24	5 49
T 3	17 9	13 23	3 43	22 24	1 55	15 50	0 40	18 23	1 44	11 30	1 23	18 9	0 50	11 37	0 30	19 37	0 4	21 20	2 11	22 21	22 13	22 6	8 25	5 49
W 4	17 26	9 7	4 24	22 47	1 59	16 14	0 37	18 9	1 42	11 28	1 23	18 9	0 50	11 36	0 30	19 37	0 4	21 20	2 11	22 22	22 13	22 7	8 25	5 49
T 5	17 43	4 16	4 52	23 8	2 3	16 38	0 35	17 55	1 40	11 25	1 23	18 8	0 51	11 35	0 30	19 37	0 4	21 20	2 10	22 22	22 14	22 8	8 25	5 48
F 6	17 59	0s56	5 5	23 28	2 7	17 1	0 33	17 41	1 38	11 23	1 22	18 8	0 51	11 34	0 30	19 37	0 4	21 20	2 10	22 24	22 14	22 8	8 25	5 48
S 7	18 15	6 16	5 0	23 46	2 10	17 23	0 31	17 27	1 37	11 21	1 22	18 8	0 51	11 34	0 30	19 36	0 4	21 20	2 10	22 25	22 15	22 9	8 25	5 47
S 8	18 31	11 24	4 36	24 4	2 13	17 45	0 29	17 13	1 35	11 18	1 22	18 8	0 51	11 33	0 29	19 36	0 4	21 20	2 10	22 26	22 15	22 10	8 26	5 47
M 9	18 46	15 58	3 53	24 20	2 16	18 7	0 26	16 59	1 33	11 16	1 22	18 8	0 51	11 32	0 29	19 36	0 4	21 20	2 10	22 27	22 15	22 10	8 26	5 47
T 10	19 1	19 34	2 53	24 35	2 18	18 28	0 24	16 45	1 31	11 14	1 22	18 8	0 52	11 31	0 29	19 36	0 4	21 20	2 10	22 28	22 16	22 11	8 26	5 46
W11	19 16	21 50	1 42	24 48	2 20	18 49	0 22	16 30	1 30	11 12	1 21	18 8	0 52	11 30	0 29	19 35	0 4	21 20	2 10	22 28	22 16	22 12	8 26	5 46
T 12	19 30	22 34	0 24	25 0	2 22	19 9	0 19	16 15	1 28	11 10	1 21	18 8	0 52	11 30	0 29	19 35	0 4	21 20	2 10	22 28	22 17	22 12	8 26	5 45
F 13	19 44	21 44	0s55	25 10	2 23	19 29	0 17	16 1	1 26	11 8	1 21	18 8	0 52	11 29	0 29	19 35	0 4	21 20	2 10	22 28	22 17	22 13	8 26	5 45
S 14	19 58	19 31	2 8	25 20	2 24	19 48	0 15	15 46	1 25	11 6	1 21	18 8	0 52	11 28	0 29	19 35	0 4	21 20	2 10	22 28	22 18	22 14	8 26	5 45
S 15	20 11	16 12	3 12	25 27	2 24	20 6	0 12	15 31	1 23	11 4	1 20	18 8	0 53	11 28	0 29	19 34	0 4	21 20	2 10	22 28	22 18	22 14	8 26	5 44
M16	20 24	12 5	4 4	25 33	2 23	20 24	0 10	15 16	1 21	11 2	1 20	18 9	0 53	11 27	0 29	19 34	0 4	21 20	2 10	22 28	22 18	22 15	8 26	5 44
T 17	20 36	7 28	4 41	25 38	2 22	20 41	0 8	15 0	1 20	11 0	1 20	18 9	0 53	11 26	0 29	19 34	0 4	21 20	2 10	22 28	22 19	22 16	8 26	5 44
W18	20 49	2 36	5 3	25 41	2 20	20 58	0 5	14 45	1 18	10 58	1 20	18 9	0 53	11 25	0 29	19 34	0 4	21 20	2 10	22 29	22 19	22 16	8 26	5 43
T 19	21 0	2n17	5 9	25 42	2 18	21 14	0 3	14 30	1 17	10 56	1 19	18 9	0 53	11 25	0 29	19 33	0 4	21 20	2 10	22 30	22 20	22 17	8 26	5 43
F 20	21 12	6 59	5 0	25 42	2 14	21 30	0 0	14 14	1 15	10 54	1 19	18 10	0 53	11 24	0 29	19 33	0 4	21 21	2 10	22 31	22 20	22 18	8 26	5 42
S 21	21 22	11 21	4 37	25 40	2 10	21 45	0s 2	13 59	1 14	10 53	1 19	18 10	0 54	11 23	0 29	19 33	0 4	21 21	2 10	22 32	22 21	22 18	8 26	5 42
S 22	21 33	15 12	4 2	25 36	2 5	21 59	0 4	13 43	1 12	10 51	1 19	18 10	0 54	11 23	0 29	19 32	0 4	21 21	2 10	22 33	22 21	22 19	8 25	5 42
M23	21 43	18 23	3 16	25 31	1 59	22 13	0 7	13 27	1 10	10 50	1 18	18 11	0 54	11 22	0 29	19 32	0 4	21 21	2 10	22 33	22 21	22 19	8 25	5 41
T 24	21 53	20 44	2 22	25 25	1 52	22 26	0 9	13 11	1 9	10 48	1 18	18 11	0 54	11 22	0 29	19 32	0 4	21 21	2 10	22 34	22 22	22 20	8 25	5 41
W25	22 2	22 11	1 22	25 17	1 44	22 38	0 11	12 55	1 7	10 47	1 18	18 12	0 54	11 21	0 29	19 31	0 4	21 21	2 10	22 34	22 22	22 21	8 25	5 41
T 26	22 11	22 38	0 18	25 7	1 35	22 50	0 14	12 39	1 6	10 45	1 18	18 12	0 55	11 20	0 29	19 31	0 4	21 21	2 10	22 35	22 23	22 21	8 25	5 40
F 27	22 19	22 4	0n46	24 56	1 24	23 1	0 16	12 23	1 4	10 44	1 17	18 13	0 55	11 20	0 29	19 31	0 4	21 21	2 10	22 34	22 23	22 22	8 24	5 40
S 28	22 27	20 32	1 49	24 44	1 13	23 11	0 19	12 6	1 3	10 43	1 17	18 13	0 55	11 19	0 29	19 30	0 4	21 21	2 10	22 34	22 23	22 22	8 24	5 40
S 29	22 35	18 5	2 48	24 31	1 0	23 20	0 21	11 50	1 1	10 42	1 17	18 14	0 55	11 19	0 29	19 30	0 4	21 21	2 10	22 34	22 24	22 23	8 24	5 39
M30	22s42	14n49	3n40	24s16	0s45	23s29	0s23	11s34	1s 0	10n40	1s16	18n14	0n55	11n18	0s29	19s29	0s 4	21n21	2s10	22n34	22n24	22n23	8s24	5n39

Julian Day Number = 2152722.5, Delta T = 14m01s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°19'57, Lahiri = 12°26'57 Julian Calendar 1 Nov. 1181 == Greg. Calendar 8 Nov. 1181

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ASTRODIENST EPHEMERIS for the year 1181
geocentric

DECEMBER 1181 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 5 47	16♐ 0'57	12♍45	3°R 0	20♐26	3♓12	0°R55	11°R41	0°R38	3♒41	2°R49	16°R 9	17♋22	6♋10	23♒35	T 1
W 2	5 9 44	17° 2'06	25°28	2♑53	21°42	3°53	0♉52	11♌39	0♉37	3°43	2♋48	16♋ 9	17°19	6°17	23°37	W 2
T 3	5 13 41	18° 3'16	8♎36	2°35	22°57	4°35	0°49	11°37	0°36	3°44	2°46	16° 7	17°16	6°24	23°40	T 3
F 4	5 17 37	19° 4'26	22°12	2° 5	24°13	5°17	0°45	11°35	0°34	3°46	2°45	16° 4	17°12	6°30	23°42	F 4
S 5	5 21 34	20° 5'37	6♏17	1°23	25°28	5°59	0°42	11°33	0°33	3°48	2°44	16° 1	17° 9	6°37	23°44	S 5
S 6	5 25 30	21° 6'49	20°49	0°30	26°44	6°41	0°40	11°31	0°31	3°49	2°43	15°57	17° 6	6°44	23°46	S 6
M 7	5 29 27	22° 8'01	5♐42	29♐27	27°59	7°23	0°37	11°29	0°30	3°51	2°42	15°53	17° 3	6°50	23°49	M 7
T 8	5 33 23	23° 9'13	20°50	28°16	29°14	8° 5	0°35	11°26	0°29	3°53	2°40	15°51	17° 0	6°57	23°51	T 8
W 9	5 37 20	24°10'26	6♑ 3	26°59	0♑30	8°47	0°33	11°24	0°28	3°55	2°39	15°49	16°56	7° 4	23°53	W 9
T 10	5 41 16	25°11'39	21°11	25°38	1°45	9°29	0°31	11°21	0°27	3°57	2°38	15°D49	16°53	7°10	23°56	T 10
F 11	5 45 13	26°12'52	6♒ 5	24°16	3° 1	10°11	0°29	11°19	0°25	3°59	2°37	15°50	16°50	7°17	23°59	F 11
S 12	5 49 10	27°14'05	20°39	22°56	4°16	10°53	0°27	11°16	0°24	4° 1	2°35	15°51	16°47	7°24	24° 1	S 12
S 13	5 53 6	28°15'17	4♓49	21°40	5°32	11°35	0°26	11°13	0°23	4° 3	2°34	15°53	16°44	7°30	24° 4	S 13
M14	5 57 3	29°16'30	18°33	20°30	6°47	12°17	0°25	11°10	0°22	4° 4	2°33	15°54	16°41	7°37	24° 6	M14
T 15	6 0 59	0♑17'41	1♈53	19°29	8° 3	12°59	0°24	11° 7	0°21	4° 6	2°32	15°R54	16°37	7°44	24° 9	T 15
W16	6 4 56	1°18'53	14°51	18°37	9°18	13°41	0°23	11° 4	0°21	4° 8	2°30	15°53	16°34	7°50	24°12	W16
T 17	6 8 52	2°20'04	27°30	17°54	10°33	14°23	0°23	11° 1	0°20	4°10	2°29	15°52	16°31	7°57	24°15	T 17
F 18	6 12 49	3°21'15	9♉54	17°22	11°49	15° 5	0°23	10°58	0°19	4°12	2°28	15°51	16°28	8° 3	24°18	F 18
S 19	6 16 45	4°22'25	22° 5	17° 0	13° 4	15°47	0°D23	10°54	0°18	4°14	2°27	15°49	16°25	8°10	24°21	S 19
S 20	6 20 42	5°23'35	4♊ 6	16°48	14°19	16°29	0°23	10°51	0°18	4°16	2°25	15°47	16°22	8°17	24°23	S 20
M21	6 24 39	6°24'45	16° 1	16°D45	15°35	17°11	0°23	10°47	0°17	4°19	2°24	15°46	16°18	8°23	24°26	M21
T 22	6 28 35	7°25'54	27°51	16°50	16°50	17°53	0°24	10°44	0°16	4°21	2°23	15°45	16°15	8°30	24°29	T 22
W23	6 32 32	8°27'03	9♋39	17° 4	18° 5	18°35	0°24	10°40	0°16	4°23	2°22	15°44	16°12	8°37	24°33	W23
T 24	6 36 28	9°28'12	21°27	17°25	19°21	19°17	0°25	10°36	0°16	4°25	2°20	15°D44	16° 9	8°43	24°36	T 24
F 25	6 40 25	10°29'20	3♌17	17°53	20°36	19°59	0°27	10°33	0°15	4°27	2°19	15°45	16° 6	8°50	24°39	F 25
S 26	6 44 21	11°30'28	15°11	18°27	21°51	20°41	0°28	10°29	0°15	4°29	2°18	15°45	16° 2	8°57	24°42	S 26
S 27	6 48 18	12°31'36	27°13	19° 6	23° 7	21°23	0°29	10°25	0°14	4°31	2°17	15°46	15°59	9° 3	24°45	S 27
M28	6 52 15	13°32'43	9♍24	19°50	24°22	22° 5	0°31	10°21	0°14	4°33	2°15	15°46	15°56	9°10	24°48	M28
T 29	6 56 11	14°33'49	21°49	20°39	25°37	22°47	0°33	10°17	0°14	4°35	2°14	15°46	15°53	9°17	24°52	T 29
W30	7 0 8	15°34'56	4♎31	21°31	26°53	23°29	0°35	10°12	0°14	4°38	2°13	15°R46	15°50	9°23	24°55	W30
T 31	7 4 4	16♑36'02	17♎33	22♐27	28♑ 8	24♓11	0♉38	10♌ 8	0♉14	4♒40	2♋12	15°D46	15♋47	9♋30	24♒58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s48	10n51	4n23	24s 0	0s30	23s37	0s26	11s17	0s58	10n39	1s16	18n15	0n56	11n18	0s29	19s29	0s 4	21n21	2s10	22n34	22n25	22n24	8s23	5n38
W 2	22 55	6 18	4 54	23 43	0 13	23 45	0 28	11 1	0 57	10 38	1 16	18 16	0 56	11 17	0 29	19 29	0 4	21 21	2 10	22 34	22 25	22 25	8 23	5 38
T 3	23 0	1 21	5 12	23 26	0n 5	23 51	0 30	10 44	0 56	10 38	1 16	18 16	0 56	11 17	0 29	19 28	0 4	21 21	2 10	22 34	22 26	22 25	8 23	5 38
F 4	23 6	3s51	5 13	23 7	0 24	23 57	0 32	10 27	0 54	10 37	1 15	18 17	0 56	11 16	0 29	19 28	0 4	21 21	2 10	22 34	22 26	22 26	8 22	5 37
S 5	23 10	9 2	4 55	22 48	0 44	24 3	0 35	10 10	0 53	10 36	1 15	18 18	0 56	11 16	0 29	19 28	0 4	21 22	2 9	22 35	22 26	22 26	8 22	5 37
S 6	23 15	13 53	4 18	22 29	1 4	24 7	0 37	9 54	0 51	10 35	1 15	18 18	0 56	11 15	0 29	19 27	0 4	21 22	2 9	22 35	22 27	22 27	8 21	5 37
M 7	23 19	18 1	3 24	22 9	1 24	24 11	0 39	9 37	0 50	10 35	1 14	18 19	0 57	11 15	0 29	19 27	0 4	21 22	2 9	22 36	22 27	22 27	8 21	5 36
T 8	23 22	21 0	2 14	21 49	1 43	24 14	0 41	9 20	0 49	10 34	1 14	18 20	0 57	11 14	0 29	19 26	0 4	21 22	2 9	22 36	22 28	22 28	8 20	5 36
W 9	23 25	22 31	0 54	21 29	2 1	24 16	0 43	9 3	0 47	10 34	1 14	18 21	0 57	11 14	0 29	19 26	0 4	21 22	2 9	22 36	22 28	22 28	8 20	5 36
T 10	23 27	22 21	0s30	21 10	2 18	24 17	0 45	8 45	0 46	10 33	1 13	18 22	0 57	11 14	0 29	19 25	0 4	21 22	2 9	22 36	22 28	22 29	8 19	5 35
F 11	23 29	20 36	1 50	20 52	2 33	24 18	0 47	8 28	0 45	10 33	1 13	18 23	0 57	11 13	0 29	19 25	0 4	21 22	2 9	22 36	22 29	22 29	8 19	5 35
S 12	23 31	17 32	3 1	20 36	2 46	24 18	0 49	8 11	0 43	10 33	1 13	18 24	0 58	11 13	0 29	19 25	0 4	21 22	2 9	22 36	22 29	22 30	8 18	5 35
S 13	23 32	13 29	3 59	20 21	2 56	24 17	0 51	7 54	0 42	10 33	1 13	18 25	0 58	11 13	0 29	19 24	0 4	21 22	2 9	22 36	22 30	22 30	8 18	5 34
M14	23 33	8 52	4 42	20 9	3 4	24 16	0 53	7 36	0 41	10 32	1 12	18 26	0 58	11 12	0 29	19 24	0 4	21 22	2 9	22 36	22 30	22 31	8 17	5 34
T 15	23 33	3 57	5 7	19 59	3 10	24 13	0 55	7 19	0 39	10 32	1 12	18 27	0 58	11 12	0 29	19 23	0 4	21 22	2 9	22 36	22 30	22 31	8 17	5 34
W16	23 32	1n 1	5 17	19 51	3 13	24 10	0 57	7 2	0 38	10 32	1 12	18 28	0 58	11 12	0 29	19 23	0 4	21 22	2 9	22 36	22 31	22 32	8 16	5 34
T 17	23 31	5 48	5 10	19 47	3 14	24 6	0 59	6 44	0 37	10 33	1 11	18 29	0 58	11 12	0 29	19 22	0 4	21 22	2 9	22 36	22 31	22 32	8 15	5 33
F 18	23 30	10 16	4 50	19 45	3 13	24 2	1 1	6 27	0 35	10 33	1 11	18 30	0 59	11 11	0 28	19 22	0 4	21 23	2 9	22 36	22 31	22 33	8 15	5 33
S 19	23 28	14 15	4 16	19 45	3 10	23 56	1 3	6 9	0 34	10 33	1 11	18 31	0 59	11 11	0 28	19 21	0 4	21 23	2 9	22 36	22 32	22 33	8 14	5 33
S 20	23 26	17 36	3 31	19 48	3 6	23 50	1 4	5 52	0 33	10 33	1 10	18 32	0 59	11 11	0 28	19 21	0 4	21 23	2 9	22 36	22 32	22 34	8 13	5 32
M21	23 23	20 11	2 38	19 53	3 1	23 43	1 6	5 34	0 32	10 34	1 10	18 33	0 59	11 11	0 28	19 20	0 4	21 23	2 9	22 37	22 33	22 34	8 13	5 32
T 22	23 20	21 54	1 38	20 0	2 55	23 36	1 8	5 17	0 30	10 34	1 10	18 34	0 59	11 11	0 28	19 20	0 5	21 23	2 8	22 37	22 33	22 35	8 12	5 32
W23	23 16	22 38	0 34	20 8	2 47	23 28	1 9	4 59	0 29	10 35	1 9	18 35	0 59	11 10	0 28	19 19	0 5	21 23	2 8	22 37	22 33	22 35	8 11	5 32
T 24	23 12	22 21	0n32	20 18	2 40	23 19	1 11	4 41	0 28	10 36	1 9	18 37	1 0	11 10	0 28	19 19	0 5	21 23	2 8	22 37	22 34	22 35	8 10	5 31
F 25	23 8	21 4	1 36	20 29	2 31	23 9	1 12	4 24	0 27	10 36	1 9	18 38	1 0	11 10	0 28	19 18	0 5	21 23	2 8	22 37	22 34	22 36	8 10	5 31
S 26	23 3	18 51	2 37	20 40	2 23	22 59	1 14	4 6	0 26	10 37	1 8	18 39	1 0	11 10	0 28	19 18	0 5	21 23	2 8	22 37	22 35	22 36	8 9	5 31
S 27	22 57	15 48	3 31	20 53	2 14	22 47	1 15	3 48	0 25	10 38	1 8	18 40	1 0	11 10	0 28	19 17	0 5	21 23	2 8	22 37	22 35	22 37	8 8	5 31
M28	22 51	12 2	4 16	21 5	2 4	22 36	1 17	3 31	0 23	10 39	1 8	18 41	1 0	11 10	0 28	19 17	0 5	21 23	2 8	22 37	22 35	22 37	8 7	5 30
T 29	22 45	7 43	4 51	21 18	1 55	22 23	1 18	3 13	0 22	10 40	1 8	18 43	1 0	11 10	0 28	19 16	0 5	21 24	2 8	22 36	22 36	22 38	8 6	5 30
W30	22 38	2 58	5 12	21 31	1 45	22 10	1 19	2 55	0 21	10 41	1 7	18 44	1 0	11 10	0 28	19 16	0 5	21 24	2 8	22 36	22 36	22 38	8 5	5 30
T 31	22s30	2s 1	5n18	21s44	1n36	21s56	1s20	2s37	0s20	10n42	1s 7	18n45	1n 1	11n10	0s28	19s15	0s 5	21n24	2s 8	22n36	22n36	22n38	8s 5	5n30

Julian Day Number = 2152752.5, Delta T = 14m01s
Ecliptic obliquity = 23°32'40, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'01, Lahiri = 12°27'01 Julian Calendar 1 Dec. 1181 == Greg. Calendar 8 Dec. 1181

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

JANUARY 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 8 1	17♉37'08	0♏59	23♐27	29♉23	24♓53	0♉40	10°R 4	0°D14	4♒42	2°R11	15♋46	15♋43	9♋36	25♒ 2	F 1
S 2	7 11 57	18°38'13	14°50	24°29	0♒38	25°35	0°43	10♌ 0	0♉14	4°44	2♋ 9	15°46	15°40	9°43	25° 5	S 2
S 3	7 15 54	19°39'18	29° 6	25°34	1°54	26°17	0°46	9°55	0°14	4°46	2° 8	15°47	15°37	9°50	25° 9	S 3
M 4	7 19 50	20°40'23	13♐46	26°41	3° 9	26°59	0°49	9°51	0°14	4°49	2° 7	15°47	15°34	9°56	25°12	M 4
T 5	7 23 47	21°41'27	28°44	27°50	4°24	27°41	0°53	9°46	0°14	4°51	2° 6	15°48	15°31	10° 3	25°16	T 5
W 6	7 27 44	22°42'30	13♉54	29° 2	5°39	28°23	0°56	9°42	0°14	4°53	2° 5	15°R48	15°28	10°10	25°19	W 6
T 7	7 31 40	23°43'33	29° 6	0♊15	6°54	29° 5	1° 0	9°37	0°15	4°55	2° 4	15°48	15°24	10°16	25°23	T 7
F 8	7 35 37	24°44'34	14♒10	1°30	8° 9	29°47	1° 4	9°33	0°15	4°58	2° 2	15°47	15°21	10°23	25°26	F 8
S 9	7 39 33	25°45'34	28°58	2°46	9°25	0♈29	1° 8	9°28	0°15	5° 0	2° 1	15°46	15°18	10°30	25°30	S 9
S 10	7 43 30	26°46'34	13♓23	4° 4	10°40	1°11	1°12	9°23	0°16	5° 2	2° 0	15°45	15°15	10°36	25°34	S 10
M11	7 47 26	27°47'31	27°21	5°23	11°55	1°53	1°17	9°19	0°16	5° 4	1°59	15°43	15°12	10°43	25°37	M11
T 12	7 51 23	28°48'28	10♈52	6°44	13°10	2°35	1°22	9°14	0°17	5° 7	1°58	15°42	15° 8	10°50	25°41	T 12
W13	7 55 19	29°49'23	23°55	8° 5	14°25	3°16	1°27	9° 9	0°17	5° 9	1°57	15°D41	15° 5	10°56	25°45	W13
T 14	7 59 16	0♒50'17	6♉36	9°28	15°40	3°58	1°32	9° 4	0°18	5°11	1°56	15°41	15° 2	11° 3	25°48	T 14
F 15	8 3 13	1°51'09	18°56	10°52	16°55	4°40	1°37	8°59	0°19	5°13	1°55	15°42	14°59	11°10	25°52	F 15
S 16	8 7 9	2°52'00	1♊ 2	12°16	18°10	5°22	1°42	8°55	0°19	5°16	1°54	15°43	14°56	11°16	25°56	S 16
S 17	8 11 6	3°52'50	12°58	13°42	19°25	6° 4	1°48	8°50	0°20	5°18	1°53	15°45	14°53	11°23	26° 0	S 17
M18	8 15 2	4°53'38	24°47	15° 9	20°40	6°45	1°54	8°45	0°21	5°20	1°51	15°46	14°49	11°29	26° 4	M18
T 19	8 18 59	5°54'24	6♋33	16°36	21°55	7°27	2° 0	8°40	0°22	5°23	1°50	15°48	14°46	11°36	26° 7	T 19
W20	8 22 55	6°55'10	18°21	18° 5	23°10	8° 9	2° 6	8°35	0°23	5°25	1°49	15°R48	14°43	11°43	26°11	W20
T 21	8 26 52	7°55'53	0♌12	19°34	24°25	8°50	2°12	8°30	0°24	5°27	1°48	15°47	14°40	11°49	26°15	T 21
F 22	8 30 48	8°56'36	12° 9	21° 5	25°40	9°32	2°18	8°25	0°25	5°29	1°48	15°45	14°37	11°56	26°19	F 22
S 23	8 34 45	9°57'17	24°14	22°36	26°55	10°14	2°25	8°21	0°26	5°32	1°47	15°42	14°34	12° 3	26°23	S 23
S 24	8 38 42	10°57'56	6♍27	24° 8	28° 9	10°55	2°32	8°16	0°27	5°34	1°46	15°38	14°30	12° 9	26°27	S 24
M25	8 42 38	11°58'35	18°51	25°41	29°24	11°37	2°39	8°11	0°28	5°36	1°45	15°33	14°27	12°16	26°31	M25
T 26	8 46 35	12°59'12	1♎28	27°14	0♓39	12°19	2°46	8° 6	0°30	5°39	1°44	15°29	14°24	12°23	26°35	T 26
W27	8 50 31	13°59'47	14°18	28°49	1°54	13° 0	2°53	8° 1	0°31	5°41	1°43	15°25	14°21	12°29	26°39	W27
T 28	8 54 28	15° 0'22	27°23	0♒24	3° 8	13°42	3° 0	7°56	0°32	5°43	1°42	15°22	14°18	12°36	26°43	T 28
F 29	8 58 24	16° 0'55	10♏45	2° 1	4°23	14°23	3° 8	7°51	0°34	5°45	1°41	15°D21	14°14	12°43	26°47	F 29
S 30	9 2 21	17° 1'27	24°26	3°38	5°38	15° 5	3°15	7°47	0°35	5°48	1°40	15°21	14°11	12°49	26°51	S 30
S 31	9 6 17	18♒ 1'57	8♐27	5♒16	6♓52	15♈46	3♉23	7♌42	0♉37	5♒50	1♋39	15♋22	14♋ 8	12♋56	26♒55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s23	7s 4	5n 7	21s57	1n26	21s42	1s21	2s20	0s19	10n43	1s 7	18n47	1n 1	11n10	0s28	19s15	0s 5	21n24	2s 8	22n36	22n37	22n39	8s 4	5n29
S 2	22 14	11 55	4 38	22 9	1 17	21 27	1 22	2 2	0 18	10 44	1 6	18 48	1 1	11 10	0 28	19 14	0 5	21 24	2 8	22 36	22 37	22 39	8 3	5 29
S 3	22 6	16 16	3 52	22 21	1 7	21 11	1 23	1 44	0 17	10 46	1 6	18 49	1 1	11 10	0 28	19 14	0 5	21 24	2 8	22 36	22 38	22 40	8 2	5 29
M 4	21 57	19 45	2 49	22 32	0 58	20 54	1 24	1 26	0 16	10 47	1 6	18 51	1 1	11 10	0 28	19 13	0 5	21 24	2 8	22 36	22 38	22 40	8 1	5 29
T 5	21 47	21 59	1 34	22 43	0 49	20 37	1 25	1 9	0 14	10 49	1 5	18 52	1 1	11 10	0 28	19 13	0 5	21 24	2 8	22 36	22 38	22 40	8 0	5 28
W 6	21 37	22 38	0 11	22 53	0 40	20 20	1 26	0 51	0 13	10 50	1 5	18 53	1 1	11 10	0 28	19 12	0 5	21 24	2 7	22 36	22 39	22 41	7 59	5 28
T 7	21 27	21 37	1s13	23 2	0 31	20 2	1 27	0 33	0 12	10 52	1 5	18 55	1 2	11 10	0 28	19 12	0 5	21 24	2 7	22 36	22 39	22 41	7 58	5 28
F 8	21 16	19 4	2 31	23 10	0 22	19 43	1 27	0 16	0 11	10 53	1 5	18 56	1 2	11 10	0 28	19 11	0 5	21 24	2 7	22 36	22 39	22 41	7 57	5 28
S 9	21 5	15 17	3 38	23 18	0 13	19 23	1 28	0n 2	0 10	10 55	1 4	18 57	1 2	11 11	0 28	19 11	0 5	21 25	2 7	22 37	22 40	22 42	7 56	5 28
S 10	20 54	10 41	4 28	23 24	0 5	19 4	1 29	0 20	0 9	10 57	1 4	18 59	1 2	11 11	0 28	19 10	0 5	21 25	2 7	22 37	22 40	22 42	7 55	5 27
M11	20 42	5 39	5 1	23 30	0s 4	18 43	1 29	0 37	0 8	10 59	1 4	19 0	1 2	11 11	0 28	19 10	0 5	21 25	2 7	22 37	22 40	22 43	7 54	5 27
T 12	20 29	0 32	5 16	23 34	0 12	18 22	1 30	0 55	0 7	11 1	1 3	19 2	1 2	11 11	0 28	19 9	0 5	21 25	2 7	22 37	22 41	22 43	7 53	5 27
W13	20 17	4n27	5 14	23 37	0 20	18 1	1 30	1 13	0 6	11 3	1 3	19 3	1 2	11 11	0 28	19 8	0 5	21 25	2 7	22 37	22 41	22 43	7 52	5 27
T 14	20 4	9 6	4 57	23 40	0 27	17 39	1 30	1 30	0 5	11 5	1 3	19 4	1 3	11 12	0 28	19 8	0 5	21 25	2 7	22 37	22 42	22 44	7 51	5 27
F 15	19 50	13 16	4 26	23 41	0 35	17 16	1 30	1 48	0 4	11 7	1 2	19 6	1 3	11 12	0 28	19 7	0 5	21 25	2 7	22 37	22 42	22 44	7 50	5 27
S 16	19 36	16 49	3 43	23 40	0 42	16 53	1 31	2 5	0 3	11 9	1 2	19 7	1 3	11 12	0 28	19 7	0 5	21 25	2 7	22 37	22 42	22 44	7 49	5 26
S 17	19 22	19 37	2 52	23 39	0 49	16 30	1 31	2 23	0 2	11 11	1 2	19 8	1 3	11 13	0 28	19 6	0 5	21 25	2 7	22 37	22 43	22 44	7 47	5 26
M18	19 8	21 33	1 54	23 36	0 56	16 6	1 31	2 40	0 1	11 13	1 2	19 10	1 3	11 13	0 28	19 6	0 5	21 25	2 6	22 36	22 43	22 45	7 46	5 26
T 19	18 53	22 32	0 51	23 32	1 2	15 42	1 31	2 58	0 0	11 16	1 1	19 11	1 3	11 13	0 27	19 5	0 5	21 26	2 6	22 36	22 43	22 45	7 45	5 26
W20	18 37	22 31	0n14	23 27	1 8	15 17	1 31	3 15	0n 1	11 18	1 1	19 13	1 3	11 14	0 27	19 5	0 5	21 26	2 6	22 36	22 44	22 45	7 44	5 26
T 21	18 22	21 29	1 19	23 20	1 14	14 52	1 31	3 33	0 1	11 20	1 1	19 14	1 3	11 14	0 27	19 4	0 5	21 26	2 6	22 36	22 44	22 46	7 43	5 26
F 22	18 6	19 28	2 20	23 12	1 20	14 26	1 30	3 50	0 2	11 23	1 1	19 15	1 3	11 14	0 27	19 4	0 5	21 26	2 6	22 37	22 44	22 46	7 42	5 25
S 23	17 50	16 35	3 16	23 3	1 25	14 0	1 30	4 7	0 3	11 25	1 0	19 17	1 3	11 15	0 27	19 3	0 5	21 26	2 6	22 37	22 45	22 46	7 40	5 25
S 24	17 33	12 57	4 4	22 52	1 30	13 34	1 30	4 24	0 4	11 28	1 0	19 18	1 4	11 15	0 27	19 2	0 5	21 26	2 6	22 37	22 45	22 47	7 39	5 25
M25	17 17	8 43	4 40	22 40	1 35	13 7	1 29	4 41	0 5	11 31	1 0	19 20	1 4	11 16	0 27	19 2	0 5	21 26	2 6	22 38	22 45	22 47	7 38	5 25
T 26	16 59	4 4	5 4	22 26	1 40	12 40	1 29	4 59	0 6	11 33	0 59	19 21	1 4	11 16	0 27	19 1	0 5	21 26	2 6	22 39	22 46	22 47	7 37	5 25
W27	16 42	0s51	5 14	22 11	1 44	12 13	1 28	5 16	0 7	11 36	0 59	19 22	1 4	11 17	0 27	19 1	0 5	21 26	2 6	22 39	22 46	22 47	7 36	5 25
T 28	16 24	5 49	5 7	21 54	1 48	11 45	1 27	5 33	0 8	11 39	0 59	19 24	1 4	11 17	0 27	19 0	0 5	21 27	2 6	22 39	22 46	22 48	7 34	5 25
F 29	16 6	10 38	4 43	21 36	1 51	11 17	1 27	5 50	0 9	11 42	0 59	19 25	1 4	11 18	0 27	19 0	0 5	21 27	2 5	22 39	22 47	22 48	7 33	5 25
S 30	15 48	15 1	4 4	21 17	1 54	10 49	1 26	6 7	0 9	11 44	0 58	19 26	1 4	11 18	0 27	18 59	0 5	21 27	2 5	22 39	22 47	22 48	7 32	5 25
S 31	15s30	18s42	3n 9	20s56	1s57	10s21	1s25	6n23	0n10	11n47	0s58	19n28	1n 4	11n19	0s27	18s59	0s 5	21n27	2s 5	22n39	22n47	22n48	7s31	5n24

Julian Day Number = 2152783.5, Delta T = 14m01s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'05, Lahiri = 12°27'06 Julian Calendar 1 Jan. 1182 == Greg. Calendar 8 Jan. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

FEBRUARY 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 10 14	19♒ 2'27	22♐47	6♒55	8♓ 7	16♈28	3♉31	7°R37	0♉38	5♒52	1°R39	15♋24	14♋ 5	13♋ 3	26♒59	M 1
T 2	9 14 11	20° 2'55	7♑24	8°35	9°22	17° 9	3°39	7♌32	0°40	5°54	1♋38	15°25	14° 2	13° 9	27° 3	T 2
W 3	9 18 7	21° 3'21	22°14	10°16	10°36	17°50	3°48	7°28	0°41	5°56	1°37	15°R25	13°59	13°16	27° 7	W 3
T 4	9 22 4	22° 3'46	7♒10	11°58	11°51	18°32	3°56	7°23	0°43	5°59	1°36	15°23	13°55	13°22	27°11	T 4
F 5	9 26 0	23° 4'10	22° 6	13°41	13° 5	19°13	4° 4	7°18	0°45	6° 1	1°36	15°20	13°52	13°29	27°15	F 5
S 6	9 29 57	24° 4'31	6♓51	15°25	14°20	19°54	4°13	7°14	0°47	6° 3	1°35	15°14	13°49	13°36	27°19	S 6
S 7	9 33 53	25° 4'51	21°20	17°10	15°34	20°36	4°22	7° 9	0°48	6° 5	1°34	15° 8	13°46	13°42	27°23	S 7
M 8	9 37 50	26° 5'09	5♈24	18°56	16°49	21°17	4°31	7° 5	0°50	6° 7	1°34	15° 1	13°43	13°49	27°27	M 8
T 9	9 41 46	27° 5'24	19° 2	20°43	18° 3	21°58	4°40	7° 0	0°52	6°10	1°33	14°55	13°40	13°56	27°31	T 9
W10	9 45 43	28° 5'38	2♉13	22°30	19°18	22°40	4°49	6°56	0°54	6°12	1°32	14°51	13°36	14° 2	27°35	W10
T 11	9 49 40	29° 5'50	14°58	24°19	20°32	23°21	4°58	6°52	0°56	6°14	1°32	14°47	13°33	14° 9	27°39	T 11
F 12	9 53 36	0♓ 5'59	27°22	26° 9	21°46	24° 2	5° 8	6°47	0°58	6°16	1°31	14°D46	13°30	14°16	27°43	F 12
S 13	9 57 33	1° 6'07	9♊28	28° 0	23° 0	24°43	5°17	6°43	1° 0	6°18	1°31	14°47	13°27	14°22	27°47	S 13
S 14	10 1 29	2° 6'12	21°23	29°52	24°15	25°24	5°27	6°39	1° 2	6°20	1°30	14°48	13°24	14°29	27°51	S 14
M15	10 5 26	3° 6'15	3♋11	1♓45	25°29	26° 5	5°37	6°35	1° 4	6°22	1°30	14°49	13°20	14°36	27°55	M15
T 16	10 9 22	4° 6'16	14°58	3°39	26°43	26°46	5°47	6°31	1° 7	6°24	1°29	14°R50	13°17	14°42	27°59	T 16
W17	10 13 19	5° 6'15	26°47	5°34	27°57	27°27	5°57	6°27	1° 9	6°27	1°29	14°49	13°14	14°49	28° 3	W17
T 18	10 17 15	6° 6'12	8♌43	7°30	29°11	28° 8	6° 7	6°23	1°11	6°29	1°28	14°46	13°11	14°55	28° 7	T 18
F 19	10 21 12	7° 6'07	20°48	9°27	0♈25	28°49	6°17	6°19	1°13	6°31	1°28	14°41	13° 8	15° 2	28°11	F 19
S 20	10 25 9	8° 5'59	3♍ 5	11°24	1°39	29°30	6°28	6°15	1°16	6°33	1°27	14°33	13° 5	15° 9	28°15	S 20
S 21	10 29 5	9° 5'50	15°35	13°22	2°53	0♉11	6°38	6°12	1°18	6°35	1°27	14°24	13° 1	15°15	28°19	S 21
M22	10 33 2	10° 5'39	28°18	15°20	4° 7	0°52	6°49	6° 8	1°21	6°37	1°27	14°13	12°58	15°22	28°23	M22
T 23	10 36 58	11° 5'25	11♎14	17°19	5°21	1°33	6°59	6° 4	1°23	6°39	1°26	14° 3	12°55	15°29	28°27	T 23
W24	10 40 55	12° 5'10	24°22	19°17	6°35	2°14	7°10	6° 1	1°26	6°41	1°26	13°54	12°52	15°35	28°31	W24
T 25	10 44 51	13° 4'53	7♏42	21°16	7°48	2°55	7°21	5°57	1°28	6°42	1°26	13°47	12°49	15°42	28°35	T 25
F 26	10 48 48	14° 4'34	21°13	23°14	9° 2	3°35	7°32	5°54	1°31	6°44	1°25	13°42	12°45	15°49	28°39	F 26
S 27	10 52 44	15° 4'14	4♐56	25°12	10°16	4°16	7°43	5°51	1°33	6°46	1°25	13°40	12°42	15°55	28°42	S 27
S 28	10 56 41	16♓ 3'52	18♐51	27♓ 8	11♈29	4♉57	7♉54	5♌48	1♉36	6♒48	1♋25	13°D39	12♋39	16♋ 2	28♒46	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s11	21s20	2n 1	20s33	2s 0	9s52	1s24	6n40	0n11	11n50	0s58	19n29	1n 4	11n19	0s27	18s58	0s 5	21n27	2s 5	22n39	22n48	22n49	7s29	5n24
T 2	14 52	22 37	0 44	20 9	2 2	9 23	1 23	6 57	0 12	11 53	0 58	19 30	1 4	11 20	0 27	18 58	0 5	21 27	2 5	22 39	22 48	22 49	7 28	5 24
W 3	14 33	22 19	0s37	19 43	2 3	8 53	1 22	7 13	0 13	11 56	0 57	19 31	1 4	11 21	0 27	18 57	0 5	21 27	2 5	22 39	22 48	22 49	7 27	5 24
T 4	14 13	20 26	1 56	19 16	2 5	8 24	1 21	7 30	0 13	11 59	0 57	19 33	1 4	11 21	0 27	18 56	0 5	21 27	2 5	22 39	22 49	22 49	7 26	5 24
F 5	13 53	17 9	3 7	18 48	2 6	7 54	1 20	7 47	0 14	12 2	0 57	19 34	1 5	11 22	0 27	18 56	0 5	21 27	2 5	22 40	22 49	22 49	7 24	5 24
S 6	13 33	12 48	4 4	18 17	2 6	7 24	1 19	8 3	0 15	12 6	0 57	19 35	1 5	11 22	0 27	18 55	0 5	21 28	2 5	22 40	22 49	22 50	7 23	5 24
S 7	13 13	7 48	4 44	17 46	2 6	6 54	1 17	8 19	0 16	12 9	0 56	19 36	1 5	11 23	0 27	18 55	0 5	21 28	2 5	22 41	22 50	22 50	7 22	5 24
M 8	12 53	2 31	5 6	17 12	2 6	6 24	1 16	8 36	0 17	12 12	0 56	19 38	1 5	11 24	0 27	18 54	0 5	21 28	2 4	22 42	22 50	22 50	7 20	5 24
T 9	12 32	2n43	5 9	16 37	2 5	5 53	1 14	8 52	0 17	12 15	0 56	19 39	1 5	11 24	0 27	18 54	0 5	21 28	2 4	22 42	22 50	22 50	7 19	5 24
W10	12 11	7 40	4 56	16 1	2 4	5 22	1 13	9 8	0 18	12 19	0 56	19 40	1 5	11 25	0 27	18 53	0 5	21 28	2 4	22 43	22 51	22 50	7 18	5 24
T 11	11 50	12 7	4 28	15 23	2 2	4 52	1 11	9 24	0 19	12 22	0 55	19 41	1 5	11 26	0 27	18 53	0 5	21 28	2 4	22 43	22 51	22 51	7 16	5 24
F 12	11 29	15 57	3 49	14 44	1 59	4 21	1 10	9 40	0 20	12 25	0 55	19 42	1 5	11 27	0 27	18 52	0 5	21 28	2 4	22 43	22 51	22 51	7 15	5 24
S 13	11 8	19 0	3 0	14 2	1 57	3 50	1 8	9 56	0 20	12 29	0 55	19 43	1 5	11 27	0 27	18 52	0 5	21 28	2 4	22 43	22 52	22 51	7 14	5 24
S 14	10 46	21 13	2 4	13 20	1 53	3 19	1 6	10 12	0 21	12 32	0 55	19 44	1 5	11 28	0 27	18 51	0 5	21 28	2 4	22 43	22 52	22 51	7 12	5 24
M15	10 25	22 28	1 3	12 36	1 49	2 47	1 5	10 27	0 22	12 36	0 55	19 46	1 5	11 29	0 27	18 51	0 5	21 28	2 4	22 43	22 52	22 51	7 11	5 24
T 16	10 3	22 43	0n 1	11 50	1 45	2 16	1 3	10 43	0 23	12 39	0 54	19 47	1 5	11 30	0 27	18 50	0 5	21 29	2 4	22 43	22 53	22 51	7 10	5 24
W17	9 41	21 56	1 4	11 4	1 40	1 45	1 1	10 58	0 23	12 43	0 54	19 48	1 5	11 31	0 27	18 50	0 5	21 29	2 3	22 43	22 53	22 52	7 8	5 24
T 18	9 19	20 10	2 5	10 15	1 34	1 13	0 59	11 14	0 24	12 46	0 54	19 49	1 5	11 31	0 27	18 49	0 5	21 29	2 3	22 43	22 53	22 52	7 7	5 24
F 19	8 57	17 29	3 1	9 26	1 28	0 42	0 57	11 29	0 25	12 50	0 54	19 50	1 5	11 32	0 27	18 49	0 5	21 29	2 3	22 44	22 54	22 52	7 6	5 24
S 20	8 34	13 59	3 50	8 35	1 22	0 11	0 55	11 44	0 25	12 53	0 53	19 51	1 5	11 33	0 27	18 48	0 5	21 29	2 3	22 45	22 54	22 52	7 4	5 24
S 21	8 12	9 49	4 28	7 43	1 14	0n21	0 53	12 0	0 26	12 57	0 53	19 52	1 5	11 34	0 27	18 48	0 5	21 29	2 3	22 46	22 54	22 52	7 3	5 24
M22	7 49	5 10	4 53	6 50	1 6	0 52	0 50	12 15	0 27	13 1	0 53	19 53	1 5	11 35	0 27	18 47	0 5	21 29	2 3	22 47	22 55	22 52	7 1	5 24
T 23	7 26	0 12	5 5	5 56	0 58	1 24	0 48	12 29	0 27	13 4	0 53	19 53	1 5	11 36	0 26	18 47	0 5	21 29	2 3	22 48	22 55	22 52	7 0	5 24
W24	7 3	4s50	5 0	5 1	0 49	1 55	0 46	12 44	0 28	13 8	0 53	19 54	1 5	11 36	0 26	18 46	0 5	21 29	2 3	22 49	22 55	22 52	6 59	5 24
T 25	6 41	9 44	4 39	4 5	0 39	2 27	0 44	12 59	0 29	13 12	0 52	19 55	1 5	11 37	0 26	18 46	0 5	21 30	2 3	22 50	22 55	22 52	6 57	5 24
F 26	6 18	14 15	4 3	3 9	0 29	2 58	0 41	13 14	0 29	13 16	0 52	19 56	1 5	11 38	0 26	18 45	0 5	21 30	2 3	22 50	22 56	22 53	6 56	5 24
S 27	5 54	18 4	3 12	2 12	0 19	3 29	0 39	13 28	0 30	13 19	0 52	19 57	1 5	11 39	0 26	18 45	0 5	21 30	2 2	22 50	22 56	22 53	6 55	5 24
S 28	5s31	20s56	2n 9	1s16	0s 8	4n 0	0s36	13n42	0n30	13n23	0s52	19n58	1n 5	11n40	0s26	18s44	0s 5	21n30	2s 2	22n50	22n56	22n53	6s53	5n24

Julian Day Number = 2152814.5, Delta T = 14m01s
Ecliptic obliquity = 23°32'41, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'09, Lahiri = 12°27'10 Julian Calendar 1 Feb. 1182 == Greg. Calendar 8 Feb. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

MARCH 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 0 37	17♓ 3'28	2♉56	29♓ 3	12♈43	5♉38	8♉ 5	5°R45	1♉39	6♒50	1°R25	13♋40	12♋36	16♋ 9	28♒50	M 1
T 2	11 4 34	18° 3'02	17°13	0♈57	13°57	6°18	8°17	5♌42	1°41	6°52	1♋25	13°R40	12°33	16°15	28°54	T 2
W 3	11 8 31	19° 2'35	1♒39	2°48	15°10	6°59	8°28	5°39	1°44	6°54	1°24	13°39	12°30	16°22	28°58	W 3
T 4	11 12 27	20° 2'06	16°11	4°36	16°24	7°39	8°40	5°36	1°47	6°55	1°24	13°35	12°26	16°28	29° 2	T 4
F 5	11 16 24	21° 1'35	0♓43	6°22	17°37	8°20	8°51	5°33	1°50	6°57	1°24	13°29	12°23	16°35	29° 6	F 5
S 6	11 20 20	22° 1'02	15°10	8° 4	18°50	9° 1	9° 3	5°31	1°52	6°59	1°24	13°20	12°20	16°42	29° 9	S 6
S 7	11 24 17	23° 0'26	29°24	9°42	20° 4	9°41	9°15	5°28	1°55	7° 1	1°24	13° 9	12°17	16°48	29°13	S 7
M 8	11 28 13	23°59'49	13♈21	11°16	21°17	10°22	9°26	5°26	1°58	7° 2	1°24	12°58	12°14	16°55	29°17	M 8
T 9	11 32 10	24°59'09	26°55	12°45	22°30	11° 2	9°38	5°23	2° 1	7° 4	1°D24	12°47	12°11	17° 2	29°21	T 9
W10	11 36 6	25°58'28	10♉ 6	14° 9	23°43	11°43	9°50	5°21	2° 4	7° 6	1°24	12°37	12° 7	17° 8	29°24	W10
T 11	11 40 3	26°57'44	22°53	15°27	24°57	12°23	10° 2	5°19	2° 7	7° 7	1°24	12°30	12° 4	17°15	29°28	T 11
F 12	11 44 0	27°56'58	5♊19	16°40	26°10	13° 3	10°15	5°17	2°10	7° 9	1°24	12°26	12° 1	17°22	29°32	F 12
S 13	11 47 56	28°56'09	17°27	17°47	27°23	13°44	10°27	5°15	2°13	7°11	1°24	12°24	11°58	17°28	29°35	S 13
S 14	11 51 53	29°55'18	29°24	18°47	28°36	14°24	10°39	5°13	2°16	7°12	1°24	12°D23	11°55	17°35	29°39	S 14
M15	11 55 49	0♈54'25	11♋13	19°41	29°49	15° 4	10°51	5°12	2°19	7°14	1°24	12°R23	11°51	17°42	29°42	M15
T 16	11 59 46	1°53'29	23° 0	20°29	1♉ 1	15°45	11° 4	5°10	2°22	7°15	1°25	12°23	11°48	17°48	29°46	T 16
W17	12 3 42	2°52'31	4♌52	21° 9	2°14	16°25	11°16	5° 9	2°25	7°17	1°25	12°21	11°45	17°55	29°49	W17
T 18	12 7 39	3°51'31	16°52	21°43	3°27	17° 5	11°29	5° 7	2°28	7°18	1°25	12°17	11°42	18° 2	29°53	T 18
F 19	12 11 35	4°50'29	29° 5	22°10	4°40	17°45	11°42	5° 6	2°32	7°20	1°25	12°10	11°39	18° 8	29°56	F 19
S 20	12 15 32	5°49'24	11♍33	22°30	5°52	18°26	11°54	5° 5	2°35	7°21	1°26	12° 0	11°36	18°15	29°59	S 20
S 21	12 19 29	6°48'17	24°18	22°43	7° 5	19° 6	12° 7	5° 4	2°38	7°22	1°26	11°49	11°32	18°21	0♓ 3	S 21
M22	12 23 25	7°47'08	7♎21	22°R50	8°17	19°46	12°20	5° 3	2°41	7°24	1°26	11°36	11°29	18°28	0° 7	M22
T 23	12 27 22	8°45'57	20°39	22°50	9°30	20°26	12°33	5° 2	2°44	7°25	1°26	11°23	11°26	18°35	0°10	T 23
W24	12 31 18	9°44'44	4♏11	22°43	10°42	21° 6	12°45	5° 1	2°48	7°26	1°27	11°11	11°23	18°41	0°13	W24
T 25	12 35 15	10°43'29	17°54	22°31	11°54	21°46	12°58	5° 0	2°51	7°28	1°27	11° 2	11°20	18°48	0°17	T 25
F 26	12 39 11	11°42'12	1♐46	22°13	13° 7	22°26	13°11	5° 0	2°54	7°29	1°28	10°56	11°17	18°55	0°20	F 26
S 27	12 43 8	12°40'54	15°43	21°49	14°19	23° 6	13°25	4°59	2°57	7°30	1°28	10°52	11°13	19° 1	0°23	S 27
S 28	12 47 4	13°39'34	29°45	21°21	15°31	23°46	13°38	4°59	3° 1	7°31	1°28	10°51	11°10	19° 8	0°26	S 28
M29	12 51 1	14°38'12	13♑49	20°49	16°43	24°26	13°51	4°59	3° 4	7°32	1°29	10°50	11° 7	19°15	0°29	M29
T 30	12 54 57	15°36'49	27°57	20°14	17°55	25° 5	14° 4	4°59	3° 7	7°34	1°29	10°50	11° 4	19°21	0°32	T 30
W31	12 58 54	16♈35'24	12♒ 5	19♈35	19♉ 7	25♉45	14♉17	4°D59	3♉11	7♒35	1♋30	10♋48	11♋ 1	19♋28	0♓36	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s 8	22s34	0n57	0s19	0n 4	4n32	0s34	13n57	0n31	13n27	0s52	19n58	1n 5	11n41	0s26	18s44	0s 5	21n30	2s 2	22n50	22n57	22n53	6s52	5n24
T 2	4 45	22 45	0s19	0n37	0 16	5 3	0 31	14 11	0 32	13 31	0 51	19 59	1 5	11 42	0 26	18 43	0 5	21 30	2 2	22 50	22 57	22 53	6 50	5 24
W 3	4 21	21 25	1 34	1 32	0 28	5 34	0 29	14 25	0 32	13 35	0 51	20 0	1 5	11 43	0 26	18 43	0 5	21 30	2 2	22 51	22 57	22 53	6 49	5 24
T 4	3 58	18 40	2 44	2 27	0 40	6 4	0 26	14 39	0 33	13 39	0 51	20 1	1 5	11 44	0 26	18 43	0 5	21 30	2 2	22 51	22 58	22 53	6 48	5 24
F 5	3 34	14 44	3 43	3 20	0 52	6 35	0 23	14 52	0 33	13 43	0 51	20 1	1 5	11 45	0 26	18 42	0 5	21 30	2 2	22 52	22 58	22 53	6 46	5 24
S 6	3 11	9 58	4 27	4 12	1 5	7 6	0 21	15 6	0 34	13 46	0 51	20 2	1 5	11 46	0 26	18 42	0 5	21 31	2 2	22 52	22 58	22 53	6 45	5 24
S 7	2 47	4 44	4 54	5 3	1 17	7 36	0 18	15 20	0 35	13 50	0 51	20 3	1 5	11 47	0 26	18 41	0 5	21 31	2 2	22 54	22 58	22 53	6 44	5 25
M 8	2 24	0n39	5 2	5 51	1 30	8 6	0 15	15 33	0 35	13 54	0 50	20 3	1 5	11 48	0 26	18 41	0 5	21 31	2 1	22 55	22 59	22 53	6 42	5 25
T 9	2 0	5 52	4 53	6 37	1 42	8 36	0 12	15 46	0 36	13 58	0 50	20 4	1 5	11 49	0 26	18 40	0 5	21 31	2 1	22 56	22 59	22 53	6 41	5 25
W10	1 36	10 40	4 29	7 21	1 53	9 6	0 10	15 59	0 36	14 2	0 50	20 4	1 5	11 50	0 26	18 40	0 5	21 31	2 1	22 57	22 59	22 53	6 39	5 25
T 11	1 13	14 51	3 51	8 2	2 5	9 36	0 7	16 12	0 37	14 6	0 50	20 5	1 5	11 51	0 26	18 40	0 5	21 31	2 1	22 57	23 0	22 53	6 38	5 25
F 12	0 49	18 16	3 3	8 40	2 16	10 5	0 4	16 25	0 37	14 10	0 50	20 5	1 5	11 52	0 26	18 39	0 5	21 31	2 1	22 58	23 0	22 53	6 37	5 25
S 13	0 26	20 49	2 8	9 15	2 26	10 34	0 1	16 38	0 38	14 14	0 49	20 6	1 5	11 53	0 26	18 39	0 5	21 31	2 1	22 58	23 0	22 53	6 35	5 25
S 14	0 2	22 24	1 8	9 47	2 35	11 3	0n 2	16 51	0 39	14 18	0 49	20 6	1 5	11 54	0 26	18 38	0 5	21 31	2 1	22 58	23 1	22 53	6 34	5 25
M15	0n22	22 58	0 6	10 15	2 44	11 32	0 5	17 3	0 39	14 22	0 49	20 7	1 5	11 55	0 26	18 38	0 5	21 32	2 1	22 58	23 1	22 53	6 33	5 25
T 16	0 45	22 30	0n56	10 41	2 52	12 0	0 8	17 15	0 40	14 26	0 49	20 7	1 5	11 56	0 26	18 38	0 6	21 32	2 1	22 58	23 1	22 53	6 31	5 25
W17	1 9	21 1	1 56	11 2	2 58	12 28	0 11	17 28	0 40	14 30	0 49	20 7	1 5	11 58	0 26	18 37	0 6	21 32	2 0	22 58	23 1	22 53	6 30	5 26
T 18	1 32	18 35	2 52	11 21	3 4	12 56	0 14	17 40	0 41	14 34	0 49	20 8	1 5	11 59	0 26	18 37	0 6	21 32	2 0	22 59	23 2	22 53	6 29	5 26
F 19	1 56	15 17	3 41	11 35	3 9	13 24	0 17	17 51	0 41	14 38	0 48	20 8	1 5	12 0	0 26	18 37	0 6	21 32	2 0	22 59	23 2	22 53	6 27	5 26
S 20	2 19	11 15	4 20	11 46	3 12	13 51	0 20	18 3	0 42	14 42	0 48	20 8	1 5	12 1	0 26	18 36	0 6	21 32	2 0	23 0	23 2	22 53	6 26	5 26
S 21	2 43	6 39	4 47	11 52	3 14	14 18	0 23	18 15	0 42	14 47	0 48	20 9	1 5	12 2	0 26	18 36	0 6	21 32	2 0	23 1	23 2	22 53	6 25	5 26
M22	3 6	1 39	4 59	11 55	3 15	14 44	0 26	18 26	0 43	14 51	0 48	20 9	1 5	12 3	0 26	18 36	0 6	21 32	2 0	23 2	23 3	22 53	6 23	5 26
T 23	3 29	3s31	4 56	11 55	3 14	15 10	0 29	18 38	0 43	14 55	0 48	20 9	1 5	12 4	0 26	18 35	0 6	21 32	2 0	23 3	23 3	22 53	6 22	5 26
W24	3 53	8 38	4 37	11 50	3 12	15 36	0 32	18 49	0 44	14 59	0 48	20 9	1 5	12 5	0 26	18 35	0 6	21 32	2 0	23 4	23 3	22 53	6 21	5 27
T 25	4 16	13 23	4 1	11 42	3 8	16 2	0 35	19 0	0 44	15 3	0 48	20 9	1 5	12 7	0 26	18 35	0 6	21 33	2 0	23 5	23 4	22 53	6 19	5 27
F 26	4 39	17 29	3 11	11 30	3 3	16 27	0 38	19 10	0 44	15 7	0 47	20 9	1 5	12 8	0 26	18 34	0 6	21 33	2 0	23 6	23 4	22 53	6 18	5 27
S 27	5 2	20 39	2 9	11 15	2 56	16 51	0 41	19 21	0 45	15 11	0 47	20 9	1 5	12 9	0 26	18 34	0 6	21 33	1 59	23 6	23 4	22 53	6 17	5 27
S 28	5 25	22 34	0 58	10 57	2 48	17 16	0 44	19 32	0 45	15 15	0 47	20 10	1 5	12 10	0 26	18 34	0 6	21 33	1 59	23 6	23 4	22 53	6 16	5 27
M29	5 48	23 5	0s16	10 36	2 38	17 39	0 47	19 42	0 46	15 19	0 47	20 10	1 5	12 11	0 26	18 33	0 6	21 33	1 59	23 6	23 5	22 53	6 14	5 27
T 30	6 10	22 7	1 29	10 12	2 27	18 3	0 50	19 52	0 46	15 23	0 47	20 10	1 5	12 12	0 26	18 33	0 6	21 33	1 59	23 6	23 5	22 53	6 13	5 28
W31	6n33	19s45	2s37	9n46	2n15	18n26	0n53	20n 2	0n47	15n27	0s47	20n10	1n 5	12n13	0s26	18s33	0s 6	21n33	1s59	23n 6	23n 5	22n53	6s12	5n28

Julian Day Number = 2152842.5, Delta T = 14m00s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'13, Lahiri = 12°27'14 Julian Calendar 1 March 1182 == Greg. Calendar 8 March 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

APRIL 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 51	17♈33'57	26♒14	18°R55	20♉19	26♉25	14♉31	4♌59	3♉14	7♒36	1♋30	10°R44	10♋57	19♋35	0♓39	T 1
F 2	13 6 47	18°32'28	10♓20	18♈13	21°31	27° 5	14°44	4°59	3°18	7°37	1°31	10♋38	10°54	19°41	0°42	F 2
S 3	13 10 44	19°30'58	24°21	17°31	22°42	27°45	14°57	4°59	3°21	7°38	1°32	10°28	10°51	19°48	0°44	S 3
S 4	13 14 40	20°29'26	8♈11	16°49	23°54	28°24	15°11	5° 0	3°24	7°39	1°32	10°17	10°48	19°54	0°47	S 4
M 5	13 18 37	21°27'52	21°47	16° 9	25° 6	29° 4	15°24	5° 0	3°28	7°40	1°33	10° 4	10°45	20° 1	0°50	M 5
T 6	13 22 33	22°26'16	5♉ 6	15°30	26°17	29°44	15°38	5° 1	3°31	7°41	1°33	9°52	10°42	20° 8	0°53	T 6
W 7	13 26 30	23°24'38	18° 7	14°54	27°29	0♊24	15°51	5° 1	3°35	7°42	1°34	9°42	10°38	20°14	0°56	W 7
T 8	13 30 26	24°22'59	0♊47	14°20	28°40	1° 3	16° 5	5° 2	3°38	7°42	1°35	9°34	10°35	20°21	0°59	T 8
F 9	13 34 23	25°21'17	13°10	13°50	29°51	1°43	16°18	5° 3	3°41	7°43	1°36	9°29	10°32	20°28	1° 1	F 9
S 10	13 38 20	26°19'34	25°18	13°24	1♊ 3	2°22	16°32	5° 4	3°45	7°44	1°36	9°26	10°29	20°34	1° 4	S 10
S 11	13 42 16	27°17'48	7♋14	13° 2	2°14	3° 2	16°46	5° 5	3°48	7°45	1°37	9°D25	10°26	20°41	1° 7	S 11
M12	13 46 13	28°16'00	19° 4	12°44	3°25	3°42	16°59	5° 7	3°52	7°45	1°38	9°25	10°22	20°48	1° 9	M12
T 13	13 50 9	29°14'11	0♌52	12°31	4°36	4°21	17°13	5° 8	3°55	7°46	1°39	9°R26	10°19	20°54	1°12	T 13
W14	13 54 6	0♉12'19	12°45	12°23	5°47	5° 1	17°27	5°10	3°59	7°47	1°39	9°25	10°16	21° 1	1°14	W14
T 15	13 58 2	1°10'25	24°47	12°D19	6°57	5°40	17°41	5°11	4° 2	7°47	1°40	9°22	10°13	21° 8	1°17	T 15
F 16	14 1 59	2° 8'29	7♍ 4	12°20	8° 8	6°19	17°54	5°13	4° 6	7°48	1°41	9°17	10°10	21°14	1°19	F 16
S 17	14 5 55	3° 6'32	19°38	12°26	9°19	6°59	18° 8	5°15	4° 9	7°49	1°42	9°10	10° 7	21°21	1°21	S 17
S 18	14 9 52	4° 4'32	2♎34	12°37	10°29	7°38	18°22	5°16	4°13	7°49	1°43	9° 1	10° 3	21°28	1°24	S 18
M19	14 13 49	5° 2'31	15°51	12°52	11°40	8°18	18°36	5°18	4°16	7°50	1°44	8°50	10° 0	21°34	1°26	M19
T 20	14 17 45	6° 0'28	29°28	13°12	12°50	8°57	18°50	5°21	4°20	7°50	1°45	8°40	9°57	21°41	1°28	T 20
W21	14 21 42	6°58'23	13♏23	13°36	14° 0	9°36	19° 4	5°23	4°23	7°51	1°46	8°31	9°54	21°47	1°30	W21
T 22	14 25 38	7°56'17	27°32	14° 5	15°11	10°15	19°18	5°25	4°26	7°51	1°47	8°23	9°51	21°54	1°32	T 22
F 23	14 29 35	8°54'09	11♐49	14°37	16°21	10°55	19°32	5°27	4°30	7°51	1°48	8°18	9°48	22° 1	1°35	F 23
S 24	14 33 31	9°52'00	26° 9	15°14	17°31	11°34	19°46	5°30	4°33	7°52	1°49	8°15	9°44	22° 7	1°37	S 24
S 25	14 37 28	10°49'50	10♑29	15°54	18°40	12°13	19°59	5°33	4°37	7°52	1°50	8°D15	9°41	22°14	1°39	S 25
M26	14 41 24	11°47'39	24°46	16°38	19°50	12°52	20°13	5°35	4°40	7°52	1°51	8°15	9°38	22°21	1°40	M26
T 27	14 45 21	12°45'26	8♒56	17°26	21° 0	13°31	20°27	5°38	4°44	7°53	1°52	8°R16	9°35	22°27	1°42	T 27
W28	14 49 18	13°43'12	23° 0	18°17	22°10	14°11	20°41	5°41	4°47	7°53	1°53	8°16	9°32	22°34	1°44	W28
T 29	14 53 14	14°40'57	6♓55	19°12	23°19	14°50	20°55	5°44	4°51	7°53	1°54	8°14	9°28	22°41	1°46	T 29
F 30	14 57 11	15♉38'41	20♓41	20♈10	24♊28	15♊29	21♉ 9	5♌47	4♉54	7♒53	1♋55	8♋ 9	9♋25	22♋47	1♓48	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n55	16s12	3s35	9n18	2n 1	18n48	0n56	20n12	0n47	15n31	0s47	20n 9	1n 5	12n15	0s26	18s33	0s 6	21n33	1s59	23n 7	23n 5	22n52	6s11	5n28
F 2	7 18	11 44	4 20	8 49	1 47	19 10	0 59	20 22	0 48	15 35	0 46	20 9	1 5	12 16	0 26	18 32	0 6	21 33	1 59	23 7	23 6	22 52	6 9	5 28
S 3	7 40	6 41	4 49	8 19	1 32	19 31	1 2	20 31	0 48	15 39	0 46	20 9	1 5	12 17	0 26	18 32	0 6	21 33	1 59	23 8	23 6	22 52	6 8	5 28
S 4	8 2	1 21	5 1	7 48	1 16	19 52	1 5	20 41	0 48	15 43	0 46	20 9	1 5	12 18	0 26	18 32	0 6	21 34	1 59	23 9	23 6	22 52	6 7	5 29
M 5	8 24	3n58	4 55	7 17	0 59	20 13	1 8	20 50	0 49	15 48	0 46	20 9	1 5	12 19	0 26	18 32	0 6	21 34	1 58	23 10	23 6	22 52	6 6	5 29
T 6	8 46	9 0	4 33	6 47	0 42	20 33	1 10	20 59	0 49	15 52	0 46	20 9	1 5	12 20	0 26	18 31	0 6	21 34	1 58	23 11	23 7	22 52	6 5	5 29
W 7	9 8	13 31	3 57	6 17	0 26	20 52	1 13	21 8	0 50	15 56	0 46	20 9	1 5	12 22	0 26	18 31	0 6	21 34	1 58	23 11	23 7	22 52	6 3	5 29
T 8	9 30	17 19	3 10	5 48	0 9	21 11	1 16	21 17	0 50	16 0	0 46	20 8	1 5	12 23	0 26	18 31	0 6	21 34	1 58	23 12	23 7	22 52	6 2	5 29
F 9	9 51	20 15	2 15	5 21	0s 8	21 30	1 19	21 25	0 50	16 4	0 46	20 8	1 5	12 24	0 26	18 31	0 6	21 34	1 58	23 12	23 7	22 51	6 1	5 30
S 10	10 12	22 13	1 14	4 56	0 25	21 47	1 22	21 33	0 51	16 8	0 45	20 8	1 5	12 25	0 26	18 31	0 6	21 34	1 58	23 12	23 8	22 51	6 0	5 30
S 11	10 33	23 9	0 12	4 33	0 40	22 5	1 24	21 42	0 51	16 12	0 45	20 8	1 5	12 26	0 26	18 30	0 6	21 34	1 58	23 13	23 8	22 51	5 59	5 30
M12	10 54	23 2	0n51	4 12	0 56	22 21	1 27	21 50	0 52	16 16	0 45	20 7	1 5	12 28	0 26	18 30	0 6	21 34	1 58	23 13	23 8	22 51	5 58	5 30
T 13	11 15	21 52	1 52	3 53	1 11	22 37	1 30	21 57	0 52	16 20	0 45	20 7	1 5	12 29	0 26	18 30	0 6	21 34	1 58	23 13	23 8	22 51	5 57	5 31
W14	11 36	19 44	2 48	3 37	1 25	22 53	1 32	22 5	0 52	16 24	0 45	20 6	1 5	12 30	0 26	18 30	0 6	21 35	1 58	23 13	23 9	22 51	5 56	5 31
T 15	11 56	16 43	3 37	3 23	1 38	23 8	1 35	22 12	0 53	16 28	0 45	20 6	1 5	12 31	0 26	18 30	0 6	21 35	1 57	23 13	23 9	22 51	5 54	5 31
F 16	12 16	12 56	4 17	3 12	1 51	23 22	1 37	22 20	0 53	16 32	0 45	20 6	1 5	12 32	0 26	18 30	0 6	21 35	1 57	23 13	23 9	22 50	5 53	5 31
S 17	12 36	8 30	4 46	3 3	2 2	23 35	1 40	22 27	0 53	16 36	0 45	20 5	1 5	12 33	0 26	18 30	0 6	21 35	1 57	23 14	23 9	22 50	5 52	5 32
S 18	12 56	3 35	5 2	2 58	2 13	23 48	1 42	22 34	0 54	16 40	0 44	20 5	1 5	12 35	0 26	18 29	0 6	21 35	1 57	23 14	23 10	22 50	5 51	5 32
M19	13 16	1s38	5 1	2 55	2 23	24 1	1 45	22 40	0 54	16 44	0 44	20 4	1 5	12 36	0 26	18 29	0 6	21 35	1 57	23 15	23 10	22 50	5 50	5 32
T 20	13 35	6 54	4 44	2 54	2 32	24 12	1 47	22 47	0 54	16 47	0 44	20 4	1 5	12 37	0 26	18 29	0 6	21 35	1 57	23 16	23 10	22 50	5 49	5 32
W21	13 54	11 57	4 10	2 56	2 40	24 23	1 49	22 53	0 55	16 51	0 44	20 3	1 4	12 38	0 26	18 29	0 6	21 35	1 57	23 16	23 10	22 49	5 48	5 33
T 22	14 13	16 27	3 20	3 0	2 48	24 34	1 51	23 0	0 55	16 55	0 44	20 2	1 4	12 39	0 26	18 29	0 6	21 35	1 57	23 17	23 11	22 49	5 47	5 33
F 23	14 32	20 3	2 17	3 7	2 54	24 43	1 54	23 6	0 55	16 59	0 44	20 2	1 4	12 41	0 26	18 29	0 6	21 35	1 57	23 17	23 11	22 49	5 46	5 33
S 24	14 50	22 25	1 4	3 16	3 0	24 52	1 56	23 11	0 56	17 3	0 44	20 1	1 4	12 42	0 26	18 29	0 6	21 35	1 57	23 17	23 11	22 49	5 45	5 33
S 25	15 8	23 20	0s12	3 27	3 4	25 1	1 58	23 17	0 56	17 7	0 44	20 0	1 4	12 43	0 26	18 29	0 6	21 35	1 56	23 17	23 11	22 48	5 44	5 34
M26	15 26	22 42	1 27	3 40	3 8	25 9	2 0	23 22	0 56	17 11	0 44	20 0	1 4	12 44	0 26	18 29	0 6	21 36	1 56	23 17	23 12	22 48	5 44	5 34
T 27	15 44	20 37	2 37	3 56	3 11	25 15	2 2	23 28	0 57	17 15	0 44	19 59	1 4	12 45	0 26	18 29	0 6	21 36	1 56	23 17	23 12	22 48	5 43	5 34
W28	16 2	17 19	3 36	4 13	3 14	25 22	2 3	23 33	0 57	17 18	0 43	19 58	1 4	12 46	0 26	18 29	0 6	21 36	1 56	23 17	23 12	22 48	5 42	5 34
T 29	16 19	13 4	4 22	4 32	3 15	25 27	2 5	23 37	0 57	17 22	0 43	19 58	1 4	12 48	0 26	18 29	0 6	21 36	1 56	23 17	23 12	22 47	5 41	5 35
F 30	16n36	8s11	4s53	4n53	3s16	25n32	2n 7	23n42	0n57	17n26	0s43	19n57	1n 4	12n49	0s26	18s29	0s 6	21n36	1s56	23n18	23n13	22n47	5s40	5n35

Julian Day Number = 2152873.5, Delta T = 14m00s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'18, Lahiri = 12°27'18 Julian Calendar 1 Apr. 1182 == Greg. Calendar 8 Apr. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

MAY 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 7	16♉36'24	4♈18	21♈11	25♊38	16♊ 8	21♉23	5♌50	4♉58	7♒53	1♋56	8°R 3	9♋22	22♋54	1♓49	S 1
S 2	15 5 4	17°34'05	17°42	22°15	26°47	16°47	21°38	5°53	5° 1	7°53	1°57	7♋55	9°19	23° 1	1°51	S 2
M 3	15 9 0	18°31'46	0♉54	23°21	27°56	17°26	21°52	5°57	5° 4	7°53	1°58	7°47	9°16	23° 7	1°52	M 3
T 4	15 12 57	19°29'25	13°52	24°31	29° 5	18° 5	22° 6	6° 0	5° 8	7°R53	2° 0	7°38	9°13	23°14	1°54	T 4
W 5	15 16 53	20°27'03	26°35	25°44	0♋14	18°44	22°20	6° 4	5°11	7°53	2° 1	7°31	9° 9	23°21	1°55	W 5
T 6	15 20 50	21°24'40	9♊ 3	26°59	1°22	19°23	22°34	6° 7	5°15	7°53	2° 2	7°26	9° 6	23°27	1°57	T 6
F 7	15 24 47	22°22'15	21°17	28°17	2°31	20° 2	22°48	6°11	5°18	7°53	2° 3	7°22	9° 3	23°34	1°58	F 7
S 8	15 28 43	23°19'50	3♋19	29°38	3°39	20°41	23° 2	6°15	5°21	7°53	2° 4	7°D21	9° 0	23°41	1°59	S 8
S 9	15 32 40	24°17'22	15°13	1♉ 1	4°48	21°20	23°16	6°19	5°25	7°53	2° 6	7°21	8°57	23°47	2° 0	S 9
M10	15 36 36	25°14'54	27° 2	2°27	5°56	21°59	23°30	6°23	5°28	7°53	2° 7	7°22	8°54	23°54	2° 2	M10
T 11	15 40 33	26°12'24	8♌50	3°56	7° 4	22°38	23°44	6°27	5°31	7°52	2° 8	7°24	8°50	24° 0	2° 3	T 11
W12	15 44 29	27° 9'53	20°43	5°27	8°12	23°17	23°58	6°31	5°34	7°52	2° 9	7°25	8°47	24° 7	2° 4	W12
T 13	15 48 26	28° 7'20	2♍45	7° 0	9°20	23°55	24°12	6°35	5°38	7°52	2°11	7°R25	8°44	24°14	2° 5	T 13
F 14	15 52 22	29° 4'47	15° 2	8°36	10°27	24°34	24°26	6°39	5°41	7°52	2°12	7°24	8°41	24°20	2° 6	F 14
S 15	15 56 19	0♊ 2'11	27°38	10°15	11°35	25°13	24°40	6°44	5°44	7°51	2°13	7°21	8°38	24°27	2° 7	S 15
S 16	16 0 16	0°59'35	10♎36	11°56	12°42	25°52	24°54	6°48	5°47	7°51	2°15	7°17	8°34	24°34	2° 7	S 16
M17	16 4 12	1°56'57	23°59	13°39	13°49	26°31	25° 8	6°53	5°51	7°51	2°16	7°12	8°31	24°40	2° 8	M17
T 18	16 8 9	2°54'19	7♏46	15°25	14°56	27° 9	25°22	6°57	5°54	7°50	2°17	7° 6	8°28	24°47	2° 9	T 18
W19	16 12 5	3°51'39	21°56	17°14	16° 3	27°48	25°36	7° 2	5°57	7°50	2°19	7° 1	8°25	24°54	2°10	W19
T 20	16 16 2	4°48'59	6♐24	19° 5	17°10	28°27	25°50	7° 7	6° 0	7°49	2°20	6°58	8°22	25° 0	2°10	T 20
F 21	16 19 58	5°46'18	21° 4	20°58	18°17	29° 5	26° 4	7°12	6° 3	7°49	2°22	6°55	8°19	25° 7	2°11	F 21
S 22	16 23 55	6°43'36	5♑50	22°53	19°23	29°44	26°17	7°17	6° 6	7°48	2°23	6°D55	8°15	25°14	2°11	S 22
S 23	16 27 51	7°40'54	20°34	24°51	20°29	0♋23	26°31	7°22	6°10	7°47	2°24	6°55	8°12	25°20	2°12	S 23
M24	16 31 48	8°38'11	5♒10	26°51	21°35	1° 1	26°45	7°27	6°13	7°47	2°26	6°56	8° 9	25°27	2°12	M24
T 25	16 35 45	9°35'28	19°34	28°53	22°41	1°40	26°59	7°32	6°16	7°46	2°27	6°58	8° 6	25°34	2°12	T 25
W26	16 39 41	10°32'44	3♓44	0♊57	23°47	2°19	27°13	7°37	6°19	7°46	2°29	6°59	8° 3	25°40	2°12	W26
T 27	16 43 38	11°30'00	17°37	3° 3	24°52	2°57	27°27	7°42	6°22	7°45	2°30	6°R59	8° 0	25°47	2°13	T 27
F 28	16 47 34	12°27'15	1♈14	5°10	25°57	3°36	27°40	7°48	6°25	7°44	2°32	6°57	7°56	25°54	2°13	F 28
S 29	16 51 31	13°24'30	14°34	7°19	27° 2	4°14	27°54	7°53	6°28	7°43	2°33	6°55	7°53	26° 0	2°13	S 29
S 30	16 55 27	14°21'45	27°39	9°28	28° 7	4°53	28° 8	7°59	6°31	7°43	2°34	6°52	7°50	26° 7	2°R13	S 30
M31	16 59 24	15♊19'00	10♉30	11♊39	29♋12	5♋31	28♉22	8♌ 4	6♉33	7♒42	2♋36	6♋49	7♋47	26♋13	2♓13	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n52	2s58	5s 6	5n16	3s16	25n37	2n 8	23n47	0n58	17n30	0s43	19n56	1n 4	12n50	0s26	18s29	0s 6	21n36	1s56	23n18	23n13	22n47	5s39	5n35
S 2	17 9	2n19	5 2	5 40	3 16	25 40	2 10	23 51	0 58	17 33	0 43	19 55	1 4	12 51	0 26	18 29	0 6	21 36	1 56	23 18	23 13	22 47	5 38	5 35
M 3	17 25	7 26	4 42	6 6	3 14	25 43	2 11	23 55	0 58	17 37	0 43	19 54	1 4	12 52	0 26	18 29	0 6	21 36	1 56	23 19	23 13	22 46	5 38	5 36
T 4	17 41	12 7	4 8	6 34	3 12	25 45	2 13	23 59	0 59	17 41	0 43	19 53	1 4	12 53	0 26	18 29	0 6	21 36	1 56	23 19	23 13	22 46	5 37	5 36
W 5	17 56	16 12	3 22	7 3	3 10	25 47	2 14	24 3	0 59	17 45	0 43	19 52	1 4	12 54	0 26	18 29	0 6	21 36	1 56	23 20	23 14	22 46	5 36	5 36
T 6	18 12	19 29	2 27	7 33	3 6	25 47	2 15	24 6	0 59	17 48	0 43	19 52	1 4	12 56	0 26	18 29	0 6	21 36	1 55	23 20	23 14	22 45	5 35	5 37
F 7	18 27	21 50	1 26	8 4	3 2	25 47	2 16	24 9	0 59	17 52	0 43	19 51	1 4	12 57	0 26	18 29	0 6	21 36	1 55	23 20	23 14	22 45	5 35	5 37
S 8	18 41	23 8	0 22	8 37	2 58	25 47	2 17	24 12	1 0	17 55	0 43	19 50	1 4	12 58	0 26	18 29	0 6	21 36	1 55	23 20	23 14	22 45	5 34	5 37
S 9	18 56	23 23	0n43	9 11	2 53	25 45	2 18	24 15	1 0	17 59	0 43	19 49	1 4	12 59	0 26	18 29	0 6	21 36	1 55	23 20	23 14	22 45	5 33	5 37
M10	19 10	22 34	1 45	9 46	2 47	25 43	2 19	24 18	1 0	18 3	0 42	19 48	1 4	13 0	0 26	18 29	0 6	21 37	1 55	23 20	23 15	22 44	5 32	5 38
T 11	19 23	20 45	2 43	10 22	2 41	25 41	2 20	24 21	1 0	18 6	0 42	19 47	1 4	13 1	0 26	18 29	0 6	21 37	1 55	23 20	23 15	22 44	5 32	5 38
W12	19 37	18 2	3 34	10 59	2 34	25 37	2 20	24 23	1 1	18 10	0 42	19 46	1 4	13 2	0 26	18 29	0 6	21 37	1 55	23 20	23 15	22 44	5 31	5 38
T 13	19 50	14 31	4 17	11 36	2 27	25 33	2 21	24 25	1 1	18 13	0 42	19 44	1 4	13 3	0 26	18 29	0 6	21 37	1 55	23 20	23 15	22 43	5 30	5 39
F 14	20 2	10 21	4 48	12 15	2 19	25 29	2 21	24 27	1 1	18 17	0 42	19 43	1 4	13 4	0 26	18 29	0 6	21 37	1 55	23 20	23 16	22 43	5 30	5 39
S 15	20 15	5 38	5 7	12 54	2 10	25 23	2 21	24 29	1 1	18 20	0 42	19 42	1 4	13 5	0 26	18 29	0 6	21 37	1 55	23 20	23 16	22 42	5 29	5 39
S 16	20 27	0 33	5 11	13 33	2 2	25 17	2 22	24 30	1 2	18 24	0 42	19 41	1 4	13 7	0 26	18 29	0 6	21 37	1 55	23 21	23 16	22 42	5 29	5 40
M17	20 39	4s43	4 58	14 13	1 53	25 10	2 22	24 32	1 2	18 27	0 42	19 40	1 4	13 8	0 26	18 30	0 6	21 37	1 55	23 21	23 16	22 42	5 28	5 40
T 18	20 50	9 56	4 28	14 53	1 43	25 3	2 22	24 33	1 2	18 31	0 42	19 39	1 4	13 9	0 26	18 30	0 6	21 37	1 54	23 21	23 16	22 41	5 28	5 40
W19	21 1	14 46	3 41	15 34	1 33	24 55	2 22	24 34	1 2	18 34	0 42	19 37	1 4	13 10	0 26	18 30	0 6	21 37	1 54	23 21	23 17	22 41	5 27	5 40
T 20	21 12	18 51	2 39	16 14	1 23	24 46	2 21	24 35	1 2	18 37	0 42	19 36	1 4	13 11	0 26	18 30	0 6	21 37	1 54	23 22	23 17	22 41	5 27	5 41
F 21	21 22	21 49	1 26	16 54	1 13	24 37	2 21	24 35	1 3	18 41	0 42	19 35	1 4	13 12	0 26	18 30	0 6	21 37	1 54	23 22	23 17	22 40	5 26	5 41
S 22	21 32	23 19	0 6	17 35	1 2	24 27	2 21	24 36	1 3	18 44	0 42	19 34	1 4	13 13	0 26	18 30	0 6	21 37	1 54	23 22	23 17	22 40	5 26	5 41
S 23	21 41	23 11	1s14	18 14	0 51	24 17	2 20	24 36	1 3	18 47	0 42	19 32	1 4	13 14	0 26	18 30	0 7	21 37	1 54	23 22	23 17	22 39	5 25	5 42
M24	21 50	21 28	2 29	18 53	0 40	24 6	2 19	24 36	1 3	18 51	0 41	19 31	1 4	13 15	0 26	18 31	0 7	21 37	1 54	23 22	23 18	22 39	5 25	5 42
T 25	21 59	18 23	3 33	19 32	0 29	23 54	2 19	24 36	1 3	18 54	0 41	19 30	1 4	13 16	0 26	18 31	0 7	21 37	1 54	23 22	23 18	22 39	5 24	5 42
W26	22 8	14 16	4 23	20 9	0 18	23 42	2 18	24 35	1 4	18 57	0 41	19 28	1 4	13 17	0 26	18 31	0 7	21 37	1 54	23 22	23 18	22 38	5 24	5 43
T 27	22 16	9 28	4 57	20 45	0 7	23 29	2 17	24 35	1 4	19 0	0 41	19 27	1 4	13 18	0 26	18 31	0 7	21 38	1 54	23 22	23 18	22 38	5 24	5 43
F 28	22 23	4 17	5 13	21 19	0n 4	23 16	2 15	24 34	1 4	19 4	0 41	19 26	1 4	13 19	0 26	18 31	0 7	21 38	1 54	23 22	23 18	22 37	5 23	5 43
S 29	22 31	0n59	5 12	21 52	0 14	23 2	2 14	24 33	1 4	19 7	0 41	19 24	1 4	13 20	0 26	18 32	0 7	21 38	1 54	23 22	23 19	22 37	5 23	5 43
S 30	22 37	6 6	4 54	22 23	0 25	22 48	2 13	24 32	1 4	19 10	0 41	19 23	1 4	13 21	0 26	18 32	0 7	21 38	1 54	23 22	23 19	22 37	5 23	5 44
M31	22n44	10n53	4s22	22n52	0n35	22n33	2n11	24n30	1n 5	19n13	0s41	19n21	1n 4	13n22	0s26	18s32	0s 7	21n38	1s53	23n22	23n19	22n36	5s23	5n44

Julian Day Number = 2152903.5, Delta T = 14m00s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'22, Lahiri = 12°27'22 Julian Calendar 1 May 1182 == Greg. Calendar 8 May 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

JUNE 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 3 20	16♊16'14	23♉ 7	13♊50	0♌16	6♋10	28♉35	8♌10	6♉36	7°R41	2♋37	6°R46	7♋44	26♋20	2°R13	T 1
W 2	17 7 17	17°13'28	5♊31	16° 2	1°21	6°48	28°49	8°16	6°39	7♒40	2°39	6♋43	7°40	26°27	2♓13	W 2
T 3	17 11 14	18°10'42	17°44	18°13	2°24	7°27	29° 3	8°21	6°42	7°39	2°40	6°41	7°37	26°33	2°12	T 3
F 4	17 15 10	19° 7'56	29°48	20°25	3°28	8° 5	29°16	8°27	6°45	7°38	2°42	6°41	7°34	26°40	2°12	F 4
S 5	17 19 7	20° 5'09	11♋43	22°35	4°32	8°44	29°30	8°33	6°47	7°37	2°43	6°D40	7°31	26°47	2°12	S 5
S 6	17 23 3	21° 2'21	23°33	24°46	5°35	9°22	29°43	8°39	6°50	7°36	2°45	6°41	7°28	26°53	2°11	S 6
M 7	17 27 0	21°59'34	5♌21	26°55	6°38	10° 1	29°57	8°45	6°53	7°35	2°46	6°42	7°25	27° 0	2°11	M 7
T 8	17 30 56	22°56'45	17° 9	29° 3	7°41	10°39	0♊10	8°51	6°56	7°34	2°48	6°44	7°21	27° 7	2°10	T 8
W 9	17 34 53	23°53'57	29° 2	1♋ 9	8°43	11°18	0°23	8°57	6°58	7°33	2°49	6°45	7°18	27°13	2°10	W 9
T 10	17 38 49	24°51'08	11♍ 4	3°14	9°45	11°56	0°37	9° 3	7° 1	7°32	2°51	6°46	7°15	27°20	2° 9	T 10
F 11	17 42 46	25°48'18	23°20	5°18	10°47	12°35	0°50	9° 9	7° 3	7°31	2°52	6°R46	7°12	27°27	2° 9	F 11
S 12	17 46 43	26°45'28	5♎53	7°19	11°49	13°13	1° 3	9°16	7° 6	7°30	2°54	6°46	7° 9	27°33	2° 8	S 12
S 13	17 50 39	27°42'38	18°49	9°19	12°50	13°51	1°17	9°22	7° 8	7°29	2°55	6°45	7° 6	27°40	2° 7	S 13
M14	17 54 36	28°39'47	2♏ 9	11°17	13°51	14°30	1°30	9°28	7°11	7°28	2°57	6°44	7° 2	27°47	2° 6	M14
T 15	17 58 32	29°36'56	15°56	13°13	14°52	15° 8	1°43	9°35	7°13	7°26	2°59	6°44	6°59	27°53	2° 5	T 15
W16	18 2 29	0♋34'05	0♐ 8	15° 8	15°52	15°46	1°56	9°41	7°16	7°25	3° 0	6°43	6°56	28° 0	2° 4	W16
T 17	18 6 25	1°31'14	14°44	17° 0	16°52	16°25	2° 9	9°48	7°18	7°24	3° 2	6°42	6°53	28° 7	2° 3	T 17
F 18	18 10 22	2°28'23	29°38	18°50	17°52	17° 3	2°22	9°54	7°20	7°23	3° 3	6°D42	6°50	28°13	2° 2	F 18
S 19	18 14 19	3°25'32	14♑41	20°38	18°51	17°41	2°35	10° 1	7°23	7°22	3° 5	6°42	6°46	28°20	2° 1	S 19
S 20	18 18 15	4°22'42	29°45	22°25	19°50	18°20	2°48	10° 8	7°25	7°20	3° 6	6°42	6°43	28°27	2° 0	S 20
M21	18 22 12	5°19'51	14♒43	24° 9	20°48	18°58	3° 1	10°14	7°27	7°19	3° 8	6°42	6°40	28°33	1°59	M21
T 22	18 26 8	6°17'01	29°26	25°51	21°46	19°36	3°14	10°21	7°29	7°18	3° 9	6°R43	6°37	28°40	1°58	T 22
W23	18 30 5	7°14'12	13♓49	27°31	22°44	20°14	3°26	10°28	7°31	7°16	3°11	6°43	6°34	28°47	1°56	W23
T 24	18 34 1	8°11'23	27°49	29°10	23°41	20°53	3°39	10°35	7°33	7°15	3°12	6°42	6°31	28°53	1°55	T 24
F 25	18 37 58	9° 8'34	11♈26	0♌46	24°38	21°31	3°52	10°42	7°35	7°14	3°14	6°D42	6°27	29° 0	1°54	F 25
S 26	18 41 54	10° 5'46	24°40	2°20	25°34	22° 9	4° 4	10°49	7°38	7°12	3°15	6°43	6°24	29° 7	1°52	S 26
S 27	18 45 51	11° 2'59	7♉34	3°53	26°30	22°47	4°17	10°55	7°39	7°11	3°17	6°43	6°21	29°13	1°51	S 27
M28	18 49 48	12° 0'13	20°10	5°23	27°26	23°26	4°29	11° 2	7°41	7° 9	3°18	6°43	6°18	29°20	1°49	M28
T 29	18 53 44	12°57'27	2♊32	6°51	28°20	24° 4	4°42	11° 9	7°43	7° 8	3°20	6°44	6°15	29°27	1°47	T 29
W30	18 57 41	13♋54'42	14♊42	8♌17	29♌15	24♋42	4♊54	11♌17	7♉45	7♒ 6	3♋21	6♋44	6♋12	29♋33	1♓46	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n50	15n 7	3s38	23n18	0n45	22n17	2n 9	24n29	1n 5	19n16	0s41	19n20	1n 4	13n23	0s26	18s32	0s 7	21n38	1s53	23n22	23n19	22n36	5s22	5n44
W 2	22 56	18 38	2 44	23 42	0 54	22 1	2 8	24 27	1 5	19 19	0 41	19 18	1 4	13 24	0 26	18 32	0 7	21 38	1 53	23 22	23 19	22 35	5 22	5 45
T 3	23 1	21 16	1 43	24 4	1 3	21 45	2 6	24 25	1 5	19 22	0 41	19 17	1 4	13 24	0 26	18 33	0 7	21 38	1 53	23 22	23 19	22 35	5 22	5 45
F 4	23 6	22 55	0 38	24 22	1 11	21 28	2 4	24 23	1 5	19 25	0 41	19 15	1 4	13 25	0 26	18 33	0 7	21 38	1 53	23 23	23 20	22 34	5 22	5 45
S 5	23 10	23 29	0n28	24 38	1 18	21 11	2 1	24 21	1 5	19 28	0 41	19 14	1 4	13 26	0 26	18 33	0 7	21 38	1 53	23 23	23 20	22 34	5 22	5 45
S 6	23 14	23 0	1 32	24 52	1 25	20 53	1 59	24 18	1 6	19 31	0 41	19 12	1 4	13 27	0 26	18 33	0 7	21 38	1 53	23 23	23 20	22 33	5 21	5 46
M 7	23 18	21 29	2 32	25 2	1 31	20 35	1 57	24 15	1 6	19 34	0 41	19 11	1 4	13 28	0 26	18 34	0 7	21 38	1 53	23 22	23 20	22 33	5 21	5 46
T 8	23 21	19 2	3 26	25 9	1 37	20 16	1 54	24 13	1 6	19 37	0 41	19 9	1 4	13 29	0 26	18 34	0 7	21 38	1 53	23 22	23 20	22 32	5 21	5 46
W 9	23 24	15 47	4 11	25 14	1 42	19 57	1 51	24 9	1 6	19 40	0 41	19 7	1 4	13 30	0 26	18 34	0 7	21 38	1 53	23 22	23 21	22 32	5 21	5 47
T 10	23 27	11 51	4 46	25 16	1 46	19 37	1 48	24 6	1 6	19 42	0 41	19 6	1 4	13 31	0 26	18 35	0 7	21 38	1 53	23 22	23 21	22 31	5 21	5 47
F 11	23 29	7 23	5 9	25 15	1 49	19 17	1 45	24 3	1 6	19 45	0 41	19 4	1 4	13 31	0 26	18 35	0 7	21 38	1 53	23 22	23 21	22 31	5 21	5 47
S 12	23 30	2 30	5 17	25 12	1 51	18 57	1 42	23 59	1 6	19 48	0 41	19 2	1 4	13 32	0 26	18 35	0 7	21 38	1 53	23 22	23 21	22 30	5 21	5 47
S 13	23 32	2s37	5 10	25 6	1 53	18 37	1 39	23 55	1 6	19 51	0 40	19 1	1 4	13 33	0 26	18 35	0 7	21 38	1 53	23 22	23 21	22 30	5 21	5 48
M14	23 32	7 47	4 47	24 58	1 54	18 16	1 35	23 51	1 7	19 54	0 40	18 59	1 4	13 34	0 26	18 36	0 7	21 38	1 53	23 22	23 21	22 29	5 21	5 48
T 15	23 33	12 45	4 6	24 47	1 55	17 54	1 32	23 47	1 7	19 56	0 40	18 57	1 4	13 35	0 26	18 36	0 7	21 38	1 52	23 22	23 22	22 29	5 21	5 48
W16	23 33	17 11	3 9	24 35	1 54	17 33	1 28	23 43	1 7	19 59	0 40	18 56	1 4	13 35	0 26	18 36	0 7	21 38	1 52	23 22	23 22	22 28	5 21	5 49
T 17	23 32	20 42	1 59	24 20	1 54	17 11	1 24	23 38	1 7	20 1	0 40	18 54	1 4	13 36	0 26	18 37	0 7	21 38	1 52	23 22	23 22	22 28	5 21	5 49
F 18	23 31	22 53	0 39	24 4	1 52	16 49	1 20	23 34	1 7	20 4	0 40	18 52	1 4	13 37	0 26	18 37	0 7	21 38	1 52	23 22	23 22	22 27	5 22	5 49
S 19	23 30	23 28	0s44	23 46	1 50	16 26	1 15	23 29	1 7	20 7	0 40	18 50	1 4	13 38	0 26	18 37	0 7	21 38	1 52	23 22	23 22	22 26	5 22	5 49
S 20	23 28	22 19	2 5	23 26	1 47	16 3	1 11	23 24	1 7	20 9	0 40	18 48	1 4	13 38	0 26	18 38	0 7	21 38	1 52	23 22	23 22	22 26	5 22	5 50
M21	23 26	19 37	3 16	23 5	1 44	15 40	1 7	23 19	1 7	20 12	0 40	18 47	1 4	13 39	0 26	18 38	0 7	21 38	1 52	23 22	23 23	22 25	5 22	5 50
T 22	23 24	15 40	4 13	22 42	1 40	15 17	1 2	23 13	1 8	20 14	0 40	18 45	1 4	13 40	0 26	18 38	0 7	21 38	1 52	23 22	23 23	22 25	5 22	5 50
W23	23 21	10 54	4 53	22 18	1 35	14 54	0 57	23 8	1 8	20 17	0 40	18 43	1 4	13 41	0 26	18 39	0 7	21 38	1 52	23 22	23 23	22 24	5 22	5 50
T 24	23 17	5 40	5 14	21 53	1 30	14 30	0 52	23 2	1 8	20 19	0 40	18 41	1 4	13 41	0 26	18 39	0 7	21 38	1 52	23 22	23 23	22 24	5 23	5 51
F 25	23 14	0 19	5 17	21 27	1 24	14 6	0 47	22 56	1 8	20 22	0 40	18 39	1 4	13 42	0 26	18 40	0 7	21 38	1 52	23 22	23 23	22 23	5 23	5 51
S 26	23 10	4n54	5 2	21 0	1 18	13 42	0 41	22 50	1 8	20 24	0 40	18 37	1 4	13 42	0 26	18 40	0 7	21 38	1 52	23 22	23 23	22 22	5 23	5 51
S 27	23 5	9 48	4 33	20 32	1 12	13 18	0 36	22 44	1 8	20 26	0 40	18 36	1 4	13 43	0 26	18 40	0 7	21 38	1 52	23 22	23 24	22 22	5 24	5 51
M28	23 0	14 9	3 51	20 3	1 5	12 53	0 30	22 37	1 8	20 29	0 40	18 34	1 4	13 44	0 26	18 41	0 7	21 38	1 52	23 22	23 24	22 21	5 24	5 52
T 29	22 55	17 50	2 59	19 34	0 58	12 29	0 24	22 31	1 8	20 31	0 40	18 32	1 4	13 44	0 26	18 41	0 7	21 38	1 52	23 22	23 24	22 21	5 24	5 52
W30	22n49	20n41	1s59	19n 4	0n50	12n 4	0n18	22n24	1n 8	20n33	0s40	18n30	1n 4	13n45	0s26	18s41	0s 7	21n38	1s52	23n22	23n24	22n20	5s25	5n52

Julian Day Number = 2152934.5, Delta T = 14m00s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'26, Lahiri = 12°27'26 Julian Calendar 1 June 1182 == Greg. Calendar 8 June 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

JULY 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 1 37	14♋51'57	26♊43	9♌41	0♍ 9	25♋20	5♊ 6	11♌24	7♉47	7°R 5	3♋23	6♋45	6♋ 8	29♋40	1°R44	T 1
F 2	19 5 34	15°49'14	8♋37	11° 3	1° 2	25°59	5°18	11°31	7°49	7♒ 3	3°25	6°R45	6° 5	29°46	1♓42	F 2
S 3	19 9 30	16°46'30	20°27	12°23	1°55	26°37	5°30	11°38	7°50	7° 2	3°26	6°45	6° 2	29°53	1°40	S 3
S 4	19 13 27	17°43'48	2♌15	13°40	2°47	27°15	5°42	11°45	7°52	7° 0	3°28	6°44	5°59	29°59	1°39	S 4
M 5	19 17 23	18°41'06	14° 3	14°56	3°38	27°53	5°54	11°52	7°54	6°59	3°29	6°43	5°56	0♌ 6	1°37	M 5
T 6	19 21 20	19°38'24	25°53	16° 9	4°29	28°31	6° 6	12° 0	7°55	6°57	3°31	6°41	5°52	0°13	1°35	T 6
W 7	19 25 17	20°35'43	7♍49	17°19	5°19	29°10	6°18	12° 7	7°57	6°56	3°32	6°39	5°49	0°20	1°33	W 7
T 8	19 29 13	21°33'03	19°54	18°28	6° 9	29°48	6°30	12°14	7°58	6°54	3°33	6°37	5°46	0°26	1°31	T 8
F 9	19 33 10	22°30'23	2♎11	19°33	6°57	0♌26	6°42	12°21	8° 0	6°53	3°35	6°35	5°43	0°33	1°29	F 9
S 10	19 37 6	23°27'43	14°43	20°36	7°45	1° 4	6°53	12°29	8° 1	6°51	3°36	6°34	5°40	0°40	1°27	S 10
S 11	19 41 3	24°25'04	27°34	21°36	8°33	1°42	7° 5	12°36	8° 3	6°50	3°38	6°D34	5°37	0°46	1°24	S 11
M12	19 44 59	25°22'26	10♏47	22°34	9°19	2°21	7°16	12°44	8° 4	6°48	3°39	6°35	5°33	0°53	1°22	M12
T 13	19 48 56	26°19'48	24°26	23°28	10° 5	2°59	7°27	12°51	8° 5	6°46	3°41	6°36	5°30	1° 0	1°20	T 13
W14	19 52 52	27°17'11	8♐31	24°20	10°49	3°37	7°39	12°58	8° 6	6°45	3°42	6°37	5°27	1° 6	1°18	W14
T 15	19 56 49	28°14'35	23° 2	25° 8	11°33	4°15	7°50	13° 6	8° 8	6°43	3°44	6°38	5°24	1°13	1°15	T 15
F 16	20 0 46	29°11'59	7♑54	25°52	12°16	4°53	8° 1	13°13	8° 9	6°42	3°45	6°R39	5°21	1°20	1°13	F 16
S 17	20 4 42	0♌ 9'25	23° 1	26°33	12°58	5°31	8°12	13°21	8°10	6°40	3°46	6°38	5°18	1°26	1°11	S 17
S 18	20 8 39	1° 6'51	8♒15	27°10	13°39	6°10	8°23	13°28	8°11	6°38	3°48	6°36	5°14	1°33	1° 8	S 18
M19	20 12 35	2° 4'18	23°26	27°44	14°18	6°48	8°34	13°36	8°12	6°37	3°49	6°33	5°11	1°40	1° 6	M19
T 20	20 16 32	3° 1'47	8♓24	28°13	14°57	7°26	8°44	13°43	8°13	6°35	3°51	6°30	5° 8	1°46	1° 3	T 20
W21	20 20 28	3°59'17	23° 1	28°38	15°35	8° 4	8°55	13°51	8°14	6°33	3°52	6°26	5° 5	1°53	1° 1	W21
T 22	20 24 25	4°56'48	7♈13	28°58	16°11	8°42	9° 6	13°59	8°15	6°32	3°53	6°23	5° 2	2° 0	0°58	T 22
F 23	20 28 21	5°54'21	20°56	29°13	16°46	9°20	9°16	14° 6	8°15	6°30	3°55	6°21	4°58	2° 6	0°56	F 23
S 24	20 32 18	6°51'55	4♉12	29°24	17°20	9°59	9°26	14°14	8°16	6°29	3°56	6°D20	4°55	2°13	0°53	S 24
S 25	20 36 15	7°49'30	17° 3	29°29	17°53	10°37	9°36	14°21	8°17	6°27	3°57	6°21	4°52	2°20	0°51	S 25
M26	20 40 11	8°47'07	29°33	29°R29	18°24	11°15	9°47	14°29	8°17	6°25	3°59	6°22	4°49	2°26	0°48	M26
T 27	20 44 8	9°44'46	11♊47	29°24	18°54	11°53	9°57	14°37	8°18	6°24	4° 0	6°23	4°46	2°33	0°45	T 27
W28	20 48 4	10°42'27	23°48	29°13	19°22	12°31	10° 7	14°44	8°19	6°22	4° 1	6°25	4°43	2°40	0°43	W28
T 29	20 52 1	11°40'08	5♋42	28°56	19°49	13° 9	10°16	14°52	8°19	6°20	4° 2	6°R26	4°39	2°46	0°40	T 29
F 30	20 55 57	12°37'52	17°30	28°34	20°14	13°48	10°26	14°59	8°20	6°19	4° 4	6°25	4°36	2°53	0°37	F 30
S 31	20 59 54	13♌35'37	29♋18	28♌ 7	20♍37	14♌26	10♊36	15♌ 7	8♉20	6♒17	4♋ 5	6♋23	4♋33	3♌ 0	0♓34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n43	22n35	0s55	18n34	0n41	11n40	0n12	22n17	1n 8	20n35	0s40	18n28	1n 4	13n46	0s26	18s42	0s 7	21n39	1s52	23n22	23n24	22n19	5s25	5n52
F 2	22 36	23 26	0n10	18 4	0 33	11 15	0 6	22 10	1 8	20 38	0 40	18 26	1 4	13 46	0 26	18 42	0 7	21 39	1 52	23 22	23 24	22 19	5 25	5 53
S 3	22 29	23 13	1 15	17 33	0 24	10 50	0s 1	22 3	1 8	20 40	0 40	18 24	1 4	13 47	0 26	18 43	0 7	21 39	1 52	23 22	23 24	22 18	5 26	5 53
S 4	22 22	21 58	2 17	17 2	0 15	10 25	0 7	21 55	1 9	20 42	0 40	18 22	1 4	13 47	0 26	18 43	0 7	21 39	1 51	23 22	23 25	22 17	5 26	5 53
M 5	22 14	19 45	3 12	16 30	0 5	10 0	0 14	21 48	1 9	20 44	0 40	18 20	1 4	13 48	0 26	18 43	0 7	21 39	1 51	23 22	23 25	22 17	5 27	5 53
T 6	22 6	16 42	4 0	15 59	0s 5	9 35	0 21	21 40	1 9	20 46	0 40	18 18	1 4	13 48	0 26	18 44	0 7	21 39	1 51	23 23	23 25	22 16	5 27	5 53
W 7	21 58	12 57	4 37	15 28	0 15	9 10	0 28	21 32	1 9	20 48	0 40	18 16	1 4	13 49	0 26	18 44	0 7	21 39	1 51	23 23	23 25	22 15	5 28	5 54
T 8	21 49	8 39	5 3	14 57	0 26	8 45	0 36	21 24	1 9	20 50	0 40	18 14	1 4	13 49	0 26	18 45	0 7	21 39	1 51	23 23	23 25	22 15	5 28	5 54
F 9	21 39	3 57	5 15	14 26	0 37	8 20	0 43	21 16	1 9	20 52	0 40	18 12	1 4	13 50	0 26	18 45	0 7	21 39	1 51	23 23	23 25	22 14	5 29	5 54
S 10	21 30	1s 1	5 13	13 56	0 48	7 54	0 51	21 8	1 9	20 54	0 40	18 10	1 4	13 50	0 26	18 45	0 7	21 39	1 51	23 23	23 25	22 13	5 29	5 54
S 11	21 20	6 3	4 55	13 26	0 59	7 29	0 59	20 59	1 9	20 56	0 40	18 8	1 4	13 50	0 26	18 46	0 7	21 39	1 51	23 23	23 26	22 13	5 30	5 54
M12	21 9	10 59	4 22	12 56	1 11	7 5	1 7	20 51	1 9	20 58	0 40	18 6	1 4	13 51	0 26	18 46	0 7	21 39	1 51	23 23	23 26	22 12	5 31	5 54
T 13	20 59	15 32	3 32	12 27	1 22	6 40	1 15	20 42	1 9	21 0	0 40	18 4	1 5	13 51	0 26	18 47	0 7	21 39	1 51	23 23	23 26	22 11	5 31	5 55
W14	20 48	19 22	2 29	11 59	1 34	6 15	1 24	20 33	1 9	21 2	0 40	18 2	1 5	13 52	0 26	18 47	0 7	21 39	1 51	23 23	23 26	22 11	5 32	5 55
T 15	20 36	22 7	1 14	11 32	1 46	5 50	1 32	20 24	1 9	21 3	0 40	17 59	1 5	13 52	0 26	18 48	0 7	21 39	1 51	23 23	23 26	22 10	5 33	5 55
F 16	20 24	23 25	0s 7	11 6	1 58	5 26	1 41	20 15	1 9	21 5	0 40	17 57	1 5	13 52	0 26	18 48	0 7	21 39	1 51	23 23	23 26	22 9	5 33	5 55
S 17	20 12	23 2	1 29	10 40	2 10	5 2	1 50	20 5	1 9	21 7	0 40	17 55	1 5	13 53	0 26	18 48	0 7	21 39	1 51	23 23	23 26	22 9	5 34	5 55
S 18	20 0	20 56	2 45	10 16	2 23	4 38	1 59	19 56	1 9	21 9	0 40	17 53	1 5	13 53	0 26	18 49	0 7	21 39	1 51	23 23	23 26	22 8	5 35	5 55
M19	19 47	17 22	3 50	9 54	2 35	4 14	2 8	19 46	1 9	21 10	0 40	17 51	1 5	13 53	0 26	18 49	0 7	21 39	1 51	23 23	23 27	22 7	5 35	5 56
T 20	19 34	12 44	4 37	9 32	2 47	3 50	2 18	19 36	1 9	21 12	0 40	17 49	1 5	13 54	0 26	18 50	0 7	21 39	1 51	23 23	23 27	22 6	5 36	5 56
W21	19 21	7 27	5 5	9 13	2 59	3 27	2 27	19 27	1 9	21 14	0 40	17 47	1 5	13 54	0 26	18 50	0 7	21 39	1 51	23 23	23 27	22 6	5 37	5 56
T 22	19 7	1 56	5 14	8 55	3 10	3 4	2 37	19 17	1 9	21 15	0 40	17 45	1 5	13 54	0 26	18 50	0 7	21 39	1 51	23 23	23 27	22 5	5 38	5 56
F 23	18 53	3n31	5 4	8 39	3 22	2 41	2 47	19 6	1 9	21 17	0 40	17 42	1 5	13 54	0 26	18 51	0 7	21 39	1 51	23 24	23 27	22 4	5 38	5 56
S 24	18 38	8 37	4 38	8 25	3 33	2 18	2 57	18 56	1 9	21 19	0 40	17 40	1 5	13 55	0 26	18 51	0 7	21 39	1 51	23 24	23 27	22 3	5 39	5 56
S 25	18 24	13 12	3 58	8 13	3 43	1 56	3 8	18 46	1 9	21 20	0 40	17 38	1 5	13 55	0 26	18 52	0 7	21 39	1 51	23 24	23 27	22 3	5 40	5 56
M26	18 9	17 5	3 8	8 3	3 53	1 34	3 18	18 35	1 9	21 22	0 40	17 36	1 5	13 55	0 26	18 52	0 7	21 39	1 51	23 23	23 27	22 2	5 41	5 56
T 27	17 53	20 8	2 11	7 56	4 3	1 13	3 29	18 25	1 9	21 23	0 40	17 34	1 5	13 55	0 26	18 53	0 7	21 39	1 51	23 23	23 28	22 1	5 42	5 56
W28	17 38	22 16	1 9	7 52	4 11	0 52	3 39	18 14	1 9	21 25	0 40	17 32	1 5	13 55	0 26	18 53	0 7	21 39	1 51	23 23	23 28	22 0	5 43	5 57
T 29	17 22	23 21	0 4	7 51	4 19	0 31	3 50	18 3	1 9	21 26	0 40	17 29	1 5	13 56	0 26	18 53	0 7	21 39	1 50	23 23	23 28	21 59	5 43	5 57
F 30	17 6	23 23	1n 0	7 52	4 26	0 11	4 1	17 52	1 9	21 27	0 40	17 27	1 6	13 56	0 26	18 54	0 7	21 39	1 50	23 23	23 28	21 59	5 44	5 57
S 31	16n49	22n22	2n 1	7n56	4s31	0s 8	4s12	17n41	1n 9	21n29	0s40	17n25	1n 6	13n56	0s26	18s54	0s 7	21n39	1s50	23n23	23n28	21n58	5s45	5n57

Julian Day Number = 2152964.5, Delta T = 14m00s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'30, Lahiri = 12°27'30 Julian Calendar 1 July 1182 == Greg. Calendar 8 July 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

AUGUST 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 50	14♌33'23	11♌ 6	27°R34	20♍59	15♌ 4	10♊45	15♌15	8♉20	6°R15	4♋ 6	6°R18	4♋30	3♌ 6	0°R32	S 1
M 2	21 7 47	15°31'10	22°58	26♌55	21°19	15°42	10°54	15°22	8°21	6♒14	4° 7	6♋13	4°27	3°13	0♓29	M 2
T 3	21 11 44	16°29'00	4♍55	26°13	21°38	16°20	11° 4	15°30	8°21	6°12	4° 9	6° 6	4°23	3°20	0°26	T 3
W 4	21 15 40	17°26'50	16°59	25°26	21°54	16°59	11°13	15°38	8°21	6°11	4°10	5°58	4°20	3°26	0°23	W 4
T 5	21 19 37	18°24'42	29°11	24°36	22° 9	17°37	11°22	15°45	8°21	6° 9	4°11	5°51	4°17	3°33	0°20	T 5
F 6	21 23 33	19°22'35	11♎34	23°43	22°21	18°15	11°31	15°53	8°21	6° 7	4°12	5°44	4°14	3°40	0°17	F 6
S 7	21 27 30	20°20'29	24°10	22°49	22°31	18°53	11°39	16° 0	8°R21	6° 6	4°13	5°39	4°11	3°46	0°15	S 7
S 8	21 31 26	21°18'25	7♏ 1	21°54	22°40	19°31	11°48	16° 8	8°21	6° 4	4°14	5°36	4° 8	3°53	0°12	S 8
M 9	21 35 23	22°16'22	20°11	21° 0	22°46	20° 9	11°57	16°16	8°21	6° 3	4°15	5°D35	4° 4	4° 0	0° 9	M 9
T 10	21 39 19	23°14'21	3♐41	20° 8	22°50	20°48	12° 5	16°23	8°21	6° 1	4°17	5°36	4° 1	4° 6	0° 6	T 10
W11	21 43 16	24°12'21	17°35	19°18	22°R51	21°26	12°13	16°31	8°21	6° 0	4°18	5°37	3°58	4°13	0° 3	W11
T 12	21 47 13	25°10'22	1♑51	18°32	22°50	22° 4	12°21	16°38	8°21	5°58	4°19	5°R38	3°55	4°20	0° 0	T 12
F 13	21 51 9	26° 8'25	16°30	17°52	22°47	22°42	12°29	16°46	8°21	5°57	4°20	5°37	3°52	4°26	29♒57	F 13
S 14	21 55 6	27° 6'29	1♒27	17°17	22°42	23°21	12°37	16°54	8°20	5°55	4°21	5°35	3°49	4°33	29°54	S 14
S 15	21 59 2	28° 4'35	16°34	16°49	22°34	23°59	12°45	17° 1	8°20	5°54	4°22	5°30	3°45	4°40	29°51	S 15
M16	22 2 59	29° 2'42	1♓44	16°29	22°24	24°37	12°52	17° 9	8°20	5°52	4°23	5°24	3°42	4°46	29°48	M16
T 17	22 6 55	0♍ 0'51	16°45	16°17	22°11	25°15	13° 0	17°16	8°19	5°51	4°24	5°15	3°39	4°53	29°45	T 17
W18	22 10 52	0°59'02	1♈29	16°D13	21°56	25°53	13° 7	17°24	8°19	5°49	4°25	5° 7	3°36	5° 0	29°42	W18
T 19	22 14 48	1°57'15	15°47	16°18	21°38	26°32	13°14	17°31	8°18	5°48	4°26	4°59	3°33	5° 6	29°40	T 19
F 20	22 18 45	2°55'30	29°38	16°32	21°19	27°10	13°21	17°39	8°17	5°46	4°26	4°53	3°29	5°13	29°37	F 20
S 21	22 22 42	3°53'47	12♉59	16°55	20°57	27°48	13°28	17°46	8°17	5°45	4°27	4°49	3°26	5°20	29°34	S 21
S 22	22 26 38	4°52'06	25°53	17°27	20°33	28°27	13°35	17°54	8°16	5°44	4°28	4°46	3°23	5°26	29°31	S 22
M23	22 30 35	5°50'27	8♊23	18° 7	20° 7	29° 5	13°41	18° 1	8°15	5°42	4°29	4°D46	3°20	5°33	29°28	M23
T 24	22 34 31	6°48'51	20°35	18°56	19°39	29°43	13°47	18° 8	8°15	5°41	4°30	4°47	3°17	5°40	29°25	T 24
W25	22 38 28	7°47'16	2♋34	19°52	19° 9	0♍21	13°54	18°16	8°14	5°40	4°31	4°R47	3°14	5°46	29°22	W25
T 26	22 42 24	8°45'44	14°25	20°55	18°38	1° 0	14° 0	18°23	8°13	5°38	4°31	4°47	3°10	5°53	29°19	T 26
F 27	22 46 21	9°44'14	26°12	22° 5	18° 5	1°38	14° 6	18°30	8°12	5°37	4°32	4°44	3° 7	6° 0	29°16	F 27
S 28	22 50 17	10°42'46	8♌ 0	23°22	17°32	2°16	14°11	18°38	8°11	5°36	4°33	4°40	3° 4	6° 6	29°13	S 28
S 29	22 54 14	11°41'20	19°51	24°44	16°57	2°55	14°17	18°45	8°10	5°34	4°34	4°32	3° 1	6°13	29°11	S 29
M30	22 58 11	12°39'56	1♍50	26°11	16°21	3°33	14°22	18°52	8° 9	5°33	4°34	4°22	2°58	6°20	29° 8	M30
T 31	23 2 7	13♍38'34	13♍57	27♌43	15♍44	4♍11	14♊27	18♌59	8♉ 8	5♒32	4♋35	4♋10	2♋55	6♌26	29♒ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n32	20n22	2n57	8n 4	4s35	0s27	4s24	17n29	1n 9	21n30	0s40	17n23	1n 6	13n56	0s26	18s55	0s 7	21n39	1s50	23n24	23n28	21n57	5s46	5n57
M 2	16 15	17 29	3 46	8 14	4 38	0 45	4 35	17 18	1 9	21 31	0 40	17 21	1 6	13 56	0 26	18 55	0 7	21 39	1 50	23 24	23 28	21 56	5 47	5 57
T 3	15 58	13 51	4 25	8 27	4 39	1 3	4 46	17 6	1 9	21 33	0 40	17 18	1 6	13 56	0 26	18 56	0 7	21 39	1 50	23 24	23 28	21 55	5 48	5 57
W 4	15 40	9 39	4 52	8 44	4 38	1 20	4 58	16 55	1 9	21 34	0 40	17 16	1 6	13 56	0 26	18 56	0 7	21 39	1 50	23 25	23 28	21 55	5 49	5 57
T 5	15 23	5 1	5 7	9 3	4 36	1 36	5 9	16 43	1 9	21 35	0 40	17 14	1 6	13 56	0 26	18 56	0 7	21 38	1 50	23 25	23 29	21 54	5 50	5 57
F 6	15 5	0 7	5 7	9 24	4 31	1 52	5 21	16 31	1 9	21 36	0 40	17 12	1 6	13 56	0 26	18 57	0 8	21 38	1 50	23 25	23 29	21 53	5 51	5 57
S 7	14 46	4s52	4 53	9 48	4 25	2 7	5 33	16 19	1 9	21 38	0 40	17 10	1 6	13 56	0 26	18 57	0 8	21 38	1 50	23 25	23 29	21 52	5 52	5 57
S 8	14 28	9 45	4 24	10 13	4 17	2 21	5 44	16 7	1 9	21 39	0 40	17 7	1 6	13 56	0 26	18 58	0 8	21 38	1 50	23 26	23 29	21 51	5 53	5 57
M 9	14 9	14 20	3 40	10 40	4 7	2 34	5 56	15 55	1 9	21 40	0 40	17 5	1 6	13 56	0 26	18 58	0 8	21 38	1 50	23 26	23 29	21 50	5 54	5 57
T 10	13 50	18 18	2 44	11 7	3 55	2 46	6 7	15 43	1 9	21 41	0 40	17 3	1 6	13 56	0 26	18 58	0 8	21 38	1 50	23 26	23 29	21 49	5 55	5 57
W11	13 31	21 22	1 36	11 36	3 41	2 57	6 19	15 30	1 9	21 42	0 40	17 1	1 6	13 56	0 26	18 59	0 8	21 38	1 50	23 26	23 29	21 49	5 56	5 57
T 12	13 11	23 12	0 20	12 4	3 26	3 7	6 30	15 18	1 9	21 43	0 40	16 59	1 7	13 56	0 26	18 59	0 8	21 38	1 50	23 25	23 29	21 48	5 57	5 57
F 13	12 52	23 29	0s58	12 32	3 10	3 16	6 41	15 5	1 9	21 44	0 40	16 56	1 7	13 56	0 27	18 59	0 8	21 38	1 50	23 26	23 29	21 47	5 58	5 57
S 14	12 32	22 7	2 14	12 59	2 53	3 24	6 52	14 53	1 9	21 45	0 40	16 54	1 7	13 56	0 27	19 0	0 8	21 38	1 50	23 26	23 29	21 46	5 59	5 57
S 15	12 12	19 9	3 22	13 24	2 35	3 31	7 3	14 40	1 9	21 46	0 40	16 52	1 7	13 56	0 27	19 0	0 8	21 38	1 50	23 26	23 29	21 45	6 0	5 57
M16	11 51	14 52	4 15	13 48	2 16	3 36	7 14	14 27	1 9	21 47	0 40	16 50	1 7	13 55	0 27	19 1	0 8	21 38	1 50	23 26	23 30	21 44	6 1	5 57
T 17	11 31	9 42	4 50	14 10	1 57	3 41	7 24	14 14	1 9	21 48	0 40	16 47	1 7	13 55	0 27	19 1	0 8	21 38	1 50	23 26	23 30	21 43	6 2	5 57
W18	11 10	4 4	5 5	14 29	1 39	3 44	7 34	14 1	1 9	21 49	0 40	16 45	1 7	13 55	0 27	19 1	0 8	21 38	1 50	23 27	23 30	21 42	6 3	5 57
T 19	10 50	1n37	5 0	14 45	1 20	3 46	7 43	13 48	1 8	21 50	0 40	16 43	1 7	13 55	0 27	19 2	0 8	21 38	1 50	23 27	23 30	21 41	6 4	5 57
F 20	10 29	7 3	4 38	14 58	1 1	3 46	7 52	13 35	1 8	21 51	0 40	16 41	1 7	13 55	0 27	19 2	0 8	21 38	1 50	23 27	23 30	21 41	6 5	5 57
S 21	10 7	11 59	4 1	15 9	0 43	3 45	8 0	13 21	1 8	21 51	0 40	16 39	1 7	13 54	0 27	19 2	0 8	21 38	1 50	23 27	23 30	21 40	6 6	5 57
S 22	9 46	16 11	3 13	15 15	0 26	3 43	8 8	13 8	1 8	21 52	0 40	16 36	1 8	13 54	0 27	19 3	0 8	21 38	1 50	23 28	23 30	21 39	6 7	5 57
M23	9 25	19 33	2 16	15 19	0 10	3 39	8 15	12 55	1 8	21 53	0 40	16 34	1 8	13 54	0 27	19 3	0 8	21 38	1 50	23 28	23 30	21 38	6 9	5 56
T 24	9 3	21 58	1 15	15 19	0n 6	3 34	8 22	12 41	1 8	21 54	0 40	16 32	1 8	13 54	0 27	19 3	0 8	21 38	1 50	23 28	23 30	21 37	6 10	5 56
W25	8 41	23 19	0 12	15 15	0 21	3 28	8 28	12 27	1 8	21 54	0 40	16 30	1 8	13 53	0 27	19 4	0 8	21 38	1 50	23 27	23 30	21 36	6 11	5 56
T 26	8 19	23 37	0n51	15 7	0 34	3 21	8 33	12 14	1 8	21 55	0 40	16 28	1 8	13 53	0 27	19 4	0 8	21 38	1 50	23 28	23 30	21 35	6 12	5 56
F 27	7 57	22 50	1 52	14 56	0 47	3 12	8 37	12 0	1 8	21 56	0 40	16 26	1 8	13 53	0 27	19 4	0 8	21 38	1 50	23 28	23 30	21 34	6 13	5 56
S 28	7 35	21 2	2 47	14 42	0 58	3 2	8 40	11 46	1 8	21 57	0 40	16 23	1 8	13 53	0 27	19 5	0 8	21 38	1 50	23 28	23 31	21 33	6 14	5 56
S 29	7 13	18 20	3 36	14 24	1 8	2 51	8 43	11 32	1 8	21 57	0 40	16 21	1 8	13 52	0 27	19 5	0 8	21 38	1 50	23 28	23 31	21 32	6 15	5 56
M30	6 50	14 50	4 15	14 3	1 17	2 38	8 44	11 18	1 8	21 58	0 40	16 19	1 8	13 52	0 27	19 5	0 8	21 38	1 50	23 28	23 31	21 31	6 16	5 56
T 31	6n28	10n42	4n43	13n39	1n25	2s25	8s45	11n 4	1n 8	21n58	0s40	16n17	1n 9	13n51	0s27	19s 6	0s 8	21n38	1s50	23n29	23n31	21n30	6s17	5n56

Julian Day Number = 2152995.5, Delta T = 13m59s
Ecliptic obliquity = 23°32'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'34, Lahiri = 12°27'35 Julian Calendar 1 Aug. 1182 == Greg. Calendar 8 Aug. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

SEPTEMBER 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 6 4	14♍37'14	26♍13	29♌18	15°R 8	4♍50	14♊33	19♌ 6	8°R 7	5°R31	4♋36	3°R57	2♋51	6♌33	29°R 2	W 1
T 2	23 10 0	15°35'56	8♎39	0♍57	14♍31	5°28	14°37	19°14	8♉ 5	5♒30	4°36	3♋45	2°48	6°40	28♒59	T 2
F 3	23 13 57	16°34'40	21°16	2°38	13°54	6° 7	14°42	19°21	8° 4	5°29	4°37	3°33	2°45	6°46	28°57	F 3
S 4	23 17 53	17°33'26	4♏ 4	4°22	13°18	6°45	14°47	19°28	8° 3	5°27	4°38	3°24	2°42	6°53	28°54	S 4
S 5	23 21 50	18°32'14	17° 4	6° 7	12°42	7°23	14°51	19°35	8° 1	5°26	4°38	3°18	2°39	7° 0	28°51	S 5
M 6	23 25 46	19°31'03	0♐17	7°54	12° 7	8° 2	14°55	19°42	8° 0	5°25	4°39	3°15	2°35	7° 6	28°49	M 6
T 7	23 29 43	20°29'54	13°46	9°42	11°33	8°40	14°59	19°49	7°59	5°24	4°39	3°13	2°32	7°13	28°46	T 7
W 8	23 33 39	21°28'47	27°31	11°31	11° 0	9°19	15° 3	19°56	7°57	5°23	4°40	3°13	2°29	7°20	28°43	W 8
T 9	23 37 36	22°27'42	11♑35	13°19	10°29	9°57	15° 7	20° 2	7°56	5°22	4°40	3°13	2°26	7°26	28°41	T 9
F 10	23 41 33	23°26'38	25°56	15° 9	9°59	10°35	15°10	20° 9	7°54	5°21	4°41	3°12	2°23	7°33	28°38	F 10
S 11	23 45 29	24°25'37	10♒33	16°58	9°31	11°14	15°13	20°16	7°53	5°20	4°41	3° 8	2°20	7°40	28°35	S 11
S 12	23 49 26	25°24'37	25°21	18°47	9° 5	11°52	15°17	20°23	7°51	5°19	4°42	3° 2	2°16	7°46	28°33	S 12
M13	23 53 22	26°23'39	10♓13	20°35	8°41	12°31	15°19	20°29	7°49	5°19	4°42	2°52	2°13	7°53	28°30	M13
T 14	23 57 19	27°22'42	25° 1	22°24	8°19	13° 9	15°22	20°36	7°48	5°18	4°42	2°41	2°10	8° 0	28°28	T 14
W15	0 1 15	28°21'48	9♈37	24°12	8° 0	13°48	15°25	20°43	7°46	5°17	4°43	2°29	2° 7	8° 6	28°26	W15
T 16	0 5 12	29°20'56	23°53	25°59	7°42	14°26	15°27	20°49	7°44	5°16	4°43	2°18	2° 4	8°13	28°23	T 16
F 17	0 9 8	0♎20'07	7♉44	27°45	7°28	15° 5	15°29	20°56	7°42	5°15	4°43	2° 9	2° 0	8°20	28°21	F 17
S 18	0 13 5	1°19'19	21° 7	29°31	7°15	15°43	15°31	21° 2	7°40	5°15	4°44	2° 2	1°57	8°26	28°19	S 18
S 19	0 17 2	2°18'34	4♊ 4	1♎16	7° 5	16°22	15°33	21° 9	7°39	5°14	4°44	1°58	1°54	8°33	28°16	S 19
M20	0 20 58	3°17'51	16°37	3° 1	6°58	17° 1	15°34	21°15	7°37	5°13	4°44	1°56	1°51	8°40	28°14	M20
T 21	0 24 55	4°17'11	28°51	4°45	6°53	17°39	15°36	21°21	7°35	5°12	4°44	1°55	1°48	8°46	28°12	T 21
W22	0 28 51	5°16'33	10♋50	6°28	6°50	18°18	15°37	21°27	7°33	5°12	4°44	1°55	1°45	8°53	28°10	W22
T 23	0 32 48	6°15'58	22°41	8°10	6°D50	18°56	15°38	21°34	7°31	5°11	4°45	1°54	1°41	9° 0	28° 7	T 23
F 24	0 36 44	7°15'24	4♌30	9°52	6°53	19°35	15°39	21°40	7°29	5°11	4°45	1°52	1°38	9° 6	28° 5	F 24
S 25	0 40 41	8°14'53	16°20	11°33	6°57	20°14	15°39	21°46	7°27	5°10	4°45	1°47	1°35	9°13	28° 3	S 25
S 26	0 44 37	9°14'25	28°16	13°13	7° 4	20°52	15°40	21°52	7°25	5°10	4°45	1°39	1°32	9°20	28° 1	S 26
M27	0 48 34	10°13'58	10♍21	14°52	7°13	21°31	15°R40	21°58	7°22	5° 9	4°45	1°28	1°29	9°26	27°59	M27
T 28	0 52 31	11°13'34	22°38	16°31	7°24	22°10	15°40	22° 4	7°20	5° 9	4°45	1°16	1°26	9°33	27°58	T 28
W29	0 56 27	12°13'11	5♎ 9	18° 9	7°38	22°48	15°40	22° 9	7°18	5° 8	4°R45	1° 2	1°22	9°40	27°56	W29
T 30	1 0 24	13♎12'51	17♎52	19♎47	7♍53	23♍27	15♊39	22♌15	7♉16	5♒ 8	4♋45	0♋49	1♋19	9♌46	27♒54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n 5	6n 5	4n59	13n12	1n32	2s10	8s44	10n50	1n 7	21n59	0s40	16n15	1n 9	13n51	0s27	19s 6	0s 8	21n38	1s50	23n29	23n31	21n29	6s18	5n55
T 2	5 42	1 9	5 0	12 42	1 38	1 55	8 43	10 35	1 7	21 59	0 40	16 13	1 9	13 51	0 27	19 6	0 8	21 38	1 50	23 30	23 31	21 28	6 19	5 55
F 3	5 19	3s53	4 47	12 10	1 42	1 39	8 41	10 21	1 7	22 0	0 40	16 11	1 9	13 50	0 27	19 7	0 8	21 38	1 50	23 30	23 31	21 27	6 21	5 55
S 4	4 56	8 51	4 20	11 36	1 46	1 22	8 38	10 7	1 7	22 0	0 40	16 9	1 9	13 50	0 27	19 7	0 8	21 38	1 50	23 30	23 31	21 26	6 22	5 55
S 5	4 33	13 31	3 39	10 59	1 49	1 5	8 34	9 52	1 7	22 1	0 40	16 6	1 9	13 49	0 27	19 7	0 8	21 38	1 50	23 30	23 31	21 25	6 23	5 55
M 6	4 10	17 37	2 45	10 21	1 51	0 47	8 29	9 38	1 7	22 1	0 40	16 4	1 9	13 49	0 27	19 7	0 8	21 38	1 50	23 30	23 31	21 24	6 24	5 55
T 7	3 47	20 53	1 41	9 41	1 52	0 29	8 23	9 23	1 7	22 2	0 40	16 2	1 10	13 48	0 27	19 8	0 8	21 38	1 50	23 30	23 31	21 23	6 25	5 54
W 8	3 24	23 1	0 30	9 0	1 52	0 11	8 16	9 9	1 7	22 2	0 40	16 0	1 10	13 48	0 27	19 8	0 8	21 38	1 50	23 30	23 31	21 22	6 26	5 54
T 9	3 0	23 46	0s44	8 18	1 51	0n 8	8 9	8 54	1 7	22 3	0 40	15 58	1 10	13 47	0 27	19 8	0 8	21 38	1 50	23 30	23 31	21 21	6 27	5 54
F 10	2 37	22 58	1 57	7 34	1 50	0 26	8 1	8 39	1 6	22 3	0 40	15 56	1 10	13 47	0 27	19 8	0 8	21 38	1 50	23 30	23 31	21 20	6 28	5 54
S 11	2 13	20 37	3 4	6 50	1 48	0 45	7 52	8 24	1 6	22 3	0 40	15 54	1 10	13 46	0 27	19 9	0 8	21 38	1 50	23 30	23 31	21 19	6 29	5 54
S 12	1 50	16 52	3 59	6 5	1 46	1 3	7 42	8 9	1 6	22 4	0 40	15 52	1 10	13 46	0 27	19 9	0 8	21 38	1 50	23 31	23 32	21 18	6 30	5 53
M13	1 26	12 3	4 38	5 20	1 43	1 21	7 32	7 55	1 6	22 4	0 40	15 50	1 10	13 45	0 27	19 9	0 8	21 38	1 49	23 31	23 32	21 17	6 31	5 53
T 14	1 3	6 32	4 58	4 34	1 40	1 39	7 22	7 40	1 6	22 4	0 40	15 48	1 10	13 45	0 27	19 9	0 8	21 38	1 49	23 31	23 32	21 16	6 32	5 53
W15	0 39	0 44	4 58	3 47	1 36	1 57	7 11	7 25	1 6	22 5	0 40	15 46	1 11	13 44	0 27	19 10	0 8	21 38	1 49	23 31	23 32	21 15	6 33	5 53
T 16	0 16	4n58	4 40	3 1	1 32	2 13	7 0	7 10	1 6	22 5	0 40	15 44	1 11	13 44	0 27	19 10	0 8	21 38	1 49	23 32	23 32	21 14	6 34	5 52
F 17	0s 8	10 17	4 5	2 14	1 28	2 30	6 48	6 55	1 5	22 5	0 40	15 42	1 11	13 43	0 27	19 10	0 8	21 38	1 49	23 32	23 32	21 12	6 35	5 52
S 18	0 32	14 56	3 18	1 27	1 23	2 45	6 36	6 39	1 5	22 5	0 40	15 40	1 11	13 42	0 27	19 10	0 8	21 38	1 49	23 32	23 32	21 11	6 36	5 52
S 19	0 55	18 44	2 22	0 41	1 18	3 0	6 24	6 24	1 5	22 5	0 40	15 38	1 11	13 42	0 27	19 10	0 8	21 38	1 49	23 32	23 32	21 10	6 37	5 52
M20	1 19	21 32	1 20	0s 6	1 12	3 15	6 11	6 9	1 5	22 6	0 40	15 36	1 11	13 41	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 9	6 38	5 51
T 21	1 43	23 16	0 16	0 52	1 7	3 28	5 59	5 54	1 5	22 6	0 40	15 35	1 12	13 41	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 8	6 39	5 51
W22	2 6	23 53	0n47	1 39	1 1	3 41	5 46	5 38	1 5	22 6	0 40	15 33	1 12	13 40	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 7	6 40	5 51
T 23	2 30	23 24	1 48	2 25	0 55	3 53	5 33	5 23	1 5	22 6	0 40	15 31	1 12	13 39	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 6	6 41	5 51
F 24	2 54	21 52	2 43	3 10	0 49	4 4	5 20	5 8	1 4	22 6	0 40	15 29	1 12	13 39	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 5	6 42	5 50
S 25	3 17	19 23	3 32	3 56	0 43	4 14	5 7	4 52	1 4	22 6	0 40	15 27	1 12	13 38	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 4	6 43	5 50
S 26	3 41	16 4	4 12	4 41	0 36	4 24	4 55	4 37	1 4	22 6	0 40	15 25	1 12	13 37	0 27	19 11	0 8	21 38	1 49	23 32	23 32	21 3	6 44	5 50
M27	4 4	12 2	4 41	5 26	0 30	4 32	4 42	4 21	1 4	22 6	0 40	15 24	1 13	13 37	0 27	19 12	0 8	21 38	1 49	23 32	23 32	21 1	6 45	5 50
T 28	4 28	7 28	4 57	6 10	0 23	4 40	4 29	4 6	1 4	22 6	0 40	15 22	1 13	13 36	0 27	19 12	0 8	21 38	1 49	23 32	23 32	21 0	6 46	5 49
W29	4 51	2 32	5 0	6 54	0 17	4 46	4 17	3 50	1 4	22 6	0 40	15 20	1 13	13 35	0 27	19 12	0 8	21 38	1 49	23 32	23 32	20 59	6 47	5 49
T 30	5s14	2s37	4n47	7s37	0n10	4n52	4s 4	3n35	1n 3	22n 6	0s40	15n18	1n13	13n34	0s27	19s12	0s 8	21n38	1s49	23n33	23n32	20n58	6s48	5n49

Julian Day Number = 2153026.5, Delta T = 13m59s
Ecliptic obliquity = 23°32'43, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'39, Lahiri = 12°27'39 Julian Calendar 1 Sept. 1182 == Greg. Calendar 8 Sept. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

OCTOBER 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 4 20	14♎12'33	0♏48	21♎23	8♍11	24♍ 6	15°R39	22♌21	7°R14	5°R 8	4°R45	0°R37	1♋16	9♌53	27°R52	F 1
S 2	1 8 17	15°12'17	13°57	23° 0	8°31	24°44	15♊38	22°26	7♉11	5♒ 7	4♋45	0♋27	1°13	10° 0	27♒50	S 2
S 3	1 12 13	16°12'03	27°15	24°35	8°52	25°23	15°37	22°32	7° 9	5° 7	4°45	0°20	1°10	10° 6	27°49	S 3
M 4	1 16 10	17°11'50	10♐44	26°10	9°15	26° 2	15°35	22°37	7° 7	5° 7	4°45	0°17	1° 6	10°13	27°47	M 4
T 5	1 20 6	18°11'40	24°23	27°45	9°40	26°41	15°34	22°43	7° 5	5° 7	4°45	0°D15	1° 3	10°20	27°45	T 5
W 6	1 24 3	19°11'31	8♑12	29°19	10° 7	27°19	15°32	22°48	7° 2	5° 6	4°44	0°15	1° 0	10°26	27°44	W 6
T 7	1 28 0	20°11'24	22°10	0♏52	10°35	27°58	15°30	22°53	7° 0	5° 6	4°44	0°R15	0°57	10°33	27°42	T 7
F 8	1 31 56	21°11'19	6♒19	2°25	11° 5	28°37	15°28	22°59	6°58	5° 6	4°44	0°15	0°54	10°40	27°41	F 8
S 9	1 35 53	22°11'15	20°36	3°57	11°36	29°16	15°26	23° 4	6°55	5° 6	4°44	0°12	0°51	10°46	27°40	S 9
S 10	1 39 49	23°11'13	5♓ 0	5°29	12° 9	29°55	15°24	23° 9	6°53	5° 6	4°44	0° 6	0°47	10°53	27°38	S 10
M11	1 43 46	24°11'12	19°27	7° 1	12°44	0♎33	15°21	23°14	6°50	5°D 6	4°43	29♊58	0°44	11° 0	27°37	M11
T 12	1 47 42	25°11'13	3♈50	8°31	13°20	1°12	15°18	23°19	6°48	5° 6	4°43	29°48	0°41	11° 7	27°36	T 12
W13	1 51 39	26°11'16	18° 3	10° 2	13°57	1°51	15°15	23°23	6°46	5° 6	4°43	29°37	0°38	11°13	27°35	W13
T 14	1 55 35	27°11'21	2♉ 2	11°32	14°35	2°30	15°12	23°28	6°43	5° 6	4°42	29°27	0°35	11°20	27°34	T 14
F 15	1 59 32	28°11'28	15°41	13° 1	15°15	3° 9	15° 9	23°33	6°41	5° 6	4°42	29°19	0°32	11°27	27°33	F 15
S 16	2 3 28	29°11'37	28°58	14°30	15°55	3°48	15° 5	23°37	6°38	5° 6	4°41	29°12	0°28	11°33	27°32	S 16
S 17	2 7 25	0♏11'48	11♊53	15°58	16°37	4°27	15° 1	23°42	6°36	5° 7	4°41	29° 8	0°25	11°40	27°31	S 17
M18	2 11 22	1°12'01	24°26	17°26	17°21	5° 6	14°57	23°46	6°33	5° 7	4°41	29°D 7	0°22	11°47	27°30	M18
T 19	2 15 18	2°12'16	6♋41	18°53	18° 5	5°45	14°53	23°51	6°31	5° 7	4°40	29° 7	0°19	11°53	27°29	T 19
W20	2 19 15	3°12'33	18°42	20°20	18°50	6°24	14°49	23°55	6°28	5° 7	4°40	29° 8	0°16	12° 0	27°28	W20
T 21	2 23 11	4°12'52	0♌35	21°46	19°36	7° 3	14°44	23°59	6°26	5° 8	4°39	29°R 9	0°12	12° 7	27°28	T 21
F 22	2 27 8	5°13'13	12°25	23°12	20°23	7°42	14°40	24° 3	6°23	5° 8	4°39	29° 8	0° 9	12°13	27°27	F 22
S 23	2 31 4	6°13'36	24°16	24°37	21°11	8°21	14°35	24° 7	6°21	5° 9	4°38	29° 6	0° 6	12°20	27°26	S 23
S 24	2 35 1	7°14'01	6♍14	26° 1	22° 0	9° 0	14°30	24°11	6°18	5° 9	4°38	29° 2	0° 3	12°27	27°26	S 24
M25	2 38 57	8°14'27	18°24	27°24	22°50	9°39	14°24	24°15	6°16	5° 9	4°37	28°56	29♊59	12°33	27°26	M25
T 26	2 42 54	9°14'56	0♎48	28°46	23°41	10°18	14°19	24°18	6°13	5°10	4°36	28°48	29°57	12°40	27°25	T 26
W27	2 46 51	10°15'27	13°29	0♐ 8	24°32	10°57	14°14	24°22	6°11	5°11	4°36	28°39	29°53	12°47	27°25	W27
T 28	2 50 47	11°15'59	26°28	1°28	25°24	11°36	14° 8	24°25	6° 8	5°11	4°35	28°30	29°50	12°53	27°25	T 28
F 29	2 54 44	12°16'33	9♏44	2°47	26°17	12°15	14° 2	24°29	6° 6	5°12	4°34	28°22	29°47	13° 0	27°24	F 29
S 30	2 58 40	13°17'08	23°16	4° 4	27°11	12°54	13°56	24°32	6° 3	5°12	4°34	28°15	29°44	13° 7	27°24	S 30
S 31	3 2 37	14♏17'45	7♐ 0	5♐20	28♍ 5	13♎34	13♊50	24♌35	6♉ 1	5♒13	4♋33	28♊11	29♊41	13♌13	27♒24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s38	7s44	4n20	8s20	0n 3	4n57	3s52	3n19	1n 3	22n 6	0s40	15n17	1n13	13n34	0s27	19s12	0s 8	21n38	1s49	23n33	23n32	20n57	6s49	5n48
S 2	6 1	12 36	3 39	9 2	0s 4	5 1	3 40	3 4	1 3	22 6	0 40	15 15	1 13	13 33	0 27	19 12	0 8	21 38	1 49	23 33	23 32	20 56	6 50	5 48
S 3	6 24	16 57	2 45	9 44	0 10	5 4	3 28	2 48	1 3	22 6	0 40	15 13	1 14	13 32	0 27	19 12	0 8	21 38	1 49	23 33	23 32	20 54	6 51	5 48
M 4	6 47	20 29	1 42	10 25	0 17	5 7	3 16	2 32	1 3	22 6	0 40	15 12	1 14	13 31	0 27	19 12	0 8	21 38	1 49	23 33	23 32	20 53	6 51	5 47
T 5	7 10	22 54	0 31	11 6	0 24	5 8	3 4	2 17	1 2	22 5	0 40	15 10	1 14	13 31	0 27	19 12	0 8	21 39	1 49	23 33	23 32	20 52	6 52	5 47
W 6	7 33	23 59	0s42	11 45	0 31	5 9	2 53	2 1	1 2	22 5	0 40	15 8	1 14	13 30	0 27	19 12	0 8	21 39	1 49	23 33	23 32	20 51	6 53	5 47
T 7	7 55	23 35	1 54	12 25	0 37	5 9	2 41	1 45	1 2	22 5	0 40	15 7	1 14	13 29	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 50	6 54	5 46
F 8	8 18	21 40	2 59	13 3	0 44	5 8	2 30	1 30	1 2	22 5	0 40	15 5	1 14	13 28	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 48	6 55	5 46
S 9	8 41	18 23	3 54	13 41	0 51	5 6	2 19	1 14	1 2	22 5	0 40	15 4	1 15	13 28	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 47	6 55	5 46
S 10	9 3	13 58	4 35	14 19	0 57	5 3	2 8	0 58	1 1	22 4	0 40	15 2	1 15	13 27	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 46	6 56	5 45
M11	9 25	8 45	4 58	14 55	1 4	5 0	1 58	0 43	1 1	22 4	0 40	15 1	1 15	13 26	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 45	6 57	5 45
T 12	9 47	3 5	5 2	15 31	1 10	4 56	1 48	0 27	1 1	22 4	0 40	14 59	1 15	13 25	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 44	6 58	5 45
W13	10 9	2n41	4 48	16 6	1 16	4 51	1 37	0 11	1 1	22 4	0 40	14 58	1 15	13 24	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 42	6 58	5 44
T 14	10 31	8 14	4 16	16 40	1 22	4 45	1 28	0s 5	1 0	22 3	0 40	14 57	1 16	13 24	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 41	6 59	5 44
F 15	10 53	13 15	3 30	17 13	1 28	4 39	1 18	0 20	1 0	22 3	0 40	14 55	1 16	13 23	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 40	7 0	5 44
S 16	11 14	17 31	2 34	17 46	1 34	4 31	1 8	0 36	1 0	22 2	0 40	14 54	1 16	13 22	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 39	7 0	5 43
S 17	11 35	20 49	1 31	18 17	1 40	4 24	0 59	0 52	1 0	22 2	0 40	14 53	1 16	13 21	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 37	7 1	5 43
M18	11 57	23 1	0 25	18 48	1 45	4 15	0 50	1 7	0 59	22 2	0 40	14 51	1 16	13 20	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 36	7 2	5 43
T 19	12 18	24 3	0n41	19 17	1 51	4 6	0 41	1 23	0 59	22 1	0 40	14 50	1 17	13 20	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 35	7 2	5 42
W20	12 38	23 56	1 43	19 46	1 56	3 56	0 33	1 39	0 59	22 1	0 40	14 49	1 17	13 19	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 34	7 3	5 42
T 21	12 59	22 44	2 41	20 14	2 1	3 46	0 24	1 55	0 59	22 0	0 40	14 48	1 17	13 18	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 32	7 3	5 42
F 22	13 19	20 32	3 31	20 41	2 5	3 35	0 16	2 10	0 58	22 0	0 40	14 47	1 17	13 17	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 31	7 4	5 41
S 23	13 39	17 27	4 12	21 6	2 10	3 23	0 8	2 26	0 58	21 59	0 40	14 46	1 17	13 16	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 30	7 5	5 41
S 24	13 59	13 39	4 43	21 31	2 14	3 11	0 0	2 42	0 58	21 59	0 40	14 44	1 18	13 16	0 27	19 12	0 8	21 39	1 49	23 33	23 33	20 29	7 5	5 40
M25	14 19	9 14	5 2	21 54	2 18	2 58	0n 7	2 57	0 58	21 58	0 40	14 43	1 18	13 15	0 27	19 12	0 8	21 39	1 49	23 32	23 33	20 27	7 6	5 40
T 26	14 38	4 22	5 7	22 16	2 21	2 45	0 15	3 13	0 57	21 58	0 40	14 42	1 18	13 14	0 27	19 12	0 8	21 39	1 49	23 32	23 33	20 26	7 6	5 40
W27	14 58	0s47	4 57	22 37	2 24	2 31	0 22	3 29	0 57	21 57	0 40	14 41	1 18	13 13	0 27	19 11	0 8	21 39	1 49	23 32	23 33	20 25	7 7	5 39
T 28	15 17	6 2	4 32	22 57	2 27	2 16	0 29	3 44	0 57	21 56	0 40	14 40	1 18	13 12	0 27	19 11	0 8	21 39	1 49	23 32	23 33	20 23	7 7	5 39
F 29	15 35	11 8	3 51	23 15	2 30	2 2	0 36	4 0	0 57	21 56	0 40	14 39	1 19	13 11	0 27	19 11	0 8	21 39	1 49	23 32	23 33	20 22	7 7	5 39
S 30	15 54	15 49	2 57	23 32	2 31	1 46	0 42	4 15	0 56	21 55	0 40	14 38	1 19	13 11	0 27	19 11	0 8	21 39	1 49	23 32	23 33	20 21	7 8	5 38
S 31	16s12	19s44	1n52	23s48	2s33	1n30	0n48	4s31	0n56	21n54	0s40	14n38	1n19	13n10	0s27	19s11	0s 8	21n39	1s49	23n32	23n33	20n19	7s 8	5n38

Julian Day Number = 2153056.5, Delta T = 13m59s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'43, Lahiri = 12°27'43 Julian Calendar 1 Oct. 1182 == Greg. Calendar 8 Oct. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

NOVEMBER 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 6 33	15♏18'24	20♐54	6♐35	29♍ 0	14♎13	13°R44	24♌38	5°R58	5♒14	4°R32	28°R 9	29♊37	13♌20	27°D24	M 1
T 2	3 10 30	16°19'04	4♑56	7°47	29°55	14°52	13♊37	24°41	5♉56	5°14	4♋31	28°D 9	29°34	13°27	27♒24	T 2
W 3	3 14 26	17°19'45	19° 1	8°57	0♎51	15°31	13°31	24°44	5°54	5°15	4°31	28♊10	29°31	13°33	27°24	W 3
T 4	3 18 23	18°20'28	3♒ 9	10° 4	1°48	16°10	13°24	24°47	5°51	5°16	4°30	28°12	29°28	13°40	27°24	T 4
F 5	3 22 20	19°21'11	17°18	11° 9	2°45	16°50	13°17	24°50	5°49	5°17	4°29	28°R13	29°25	13°47	27°25	F 5
S 6	3 26 16	20°21'55	1♓26	12°10	3°43	17°29	13°10	24°52	5°46	5°18	4°28	28°12	29°22	13°54	27°25	S 6
S 7	3 30 13	21°22'41	15°32	13° 7	4°41	18° 8	13° 3	24°55	5°44	5°19	4°27	28°10	29°18	14° 0	27°25	S 7
M 8	3 34 9	22°23'27	29°33	14° 0	5°40	18°47	12°56	24°57	5°42	5°20	4°26	28° 6	29°15	14° 7	27°26	M 8
T 9	3 38 6	23°24'14	13♈28	14°47	6°40	19°27	12°49	24°59	5°39	5°21	4°26	28° 1	29°12	14°14	27°26	T 9
W10	3 42 2	24°25'03	27°13	15°29	7°39	20° 6	12°41	25° 2	5°37	5°22	4°25	27°55	29° 9	14°20	27°27	W10
T 11	3 45 59	25°25'53	10♉45	16° 5	8°40	20°45	12°34	25° 4	5°35	5°23	4°24	27°50	29° 6	14°27	27°27	T 11
F 12	3 49 55	26°26'43	24° 3	16°34	9°40	21°24	12°26	25° 6	5°32	5°24	4°23	27°45	29° 3	14°34	27°28	F 12
S 13	3 53 52	27°27'35	7♊ 4	16°55	10°41	22° 4	12°19	25° 7	5°30	5°25	4°22	27°42	28°59	14°40	27°28	S 13
S 14	3 57 49	28°28'29	19°47	17° 6	11°43	22°43	12°11	25° 9	5°28	5°26	4°21	27°40	28°56	14°47	27°29	S 14
M15	4 1 45	29°29'23	2♋15	17°R 9	12°45	23°23	12° 3	25°11	5°26	5°27	4°20	27°D40	28°53	14°54	27°30	M15
T 16	4 5 42	0♐30'19	14°27	17° 1	13°47	24° 2	11°55	25°12	5°23	5°28	4°19	27°41	28°50	15° 0	27°31	T 16
W17	4 9 38	1°31'16	26°29	16°42	14°50	24°41	11°47	25°14	5°21	5°29	4°18	27°43	28°47	15° 7	27°32	W17
T 18	4 13 35	2°32'14	8♌22	16°12	15°53	25°21	11°39	25°15	5°19	5°31	4°17	27°45	28°43	15°14	27°33	T 18
F 19	4 17 31	3°33'13	20°12	15°30	16°57	26° 0	11°31	25°16	5°17	5°32	4°16	27°46	28°40	15°20	27°34	F 19
S 20	4 21 28	4°34'13	2♍ 4	14°38	18° 0	26°40	11°23	25°17	5°15	5°33	4°15	27°R47	28°37	15°27	27°35	S 20
S 21	4 25 24	5°35'15	14° 2	13°35	19° 4	27°19	11°15	25°18	5°13	5°35	4°14	27°46	28°34	15°34	27°36	S 21
M22	4 29 21	6°36'18	26°11	12°25	20° 9	27°59	11° 7	25°19	5°11	5°36	4°13	27°45	28°31	15°41	27°37	M22
T 23	4 33 18	7°37'21	8♎36	11° 7	21°14	28°38	10°59	25°20	5° 9	5°37	4°11	27°43	28°28	15°47	27°39	T 23
W24	4 37 14	8°38'26	21°20	9°45	22°19	29°18	10°51	25°21	5° 7	5°39	4°10	27°40	28°24	15°54	27°40	W24
T 25	4 41 11	9°39'32	4♏25	8°22	23°24	29°57	10°43	25°21	5° 5	5°40	4° 9	27°37	28°21	16° 1	27°41	T 25
F 26	4 45 7	10°40'39	17°53	7° 1	24°30	0♏37	10°35	25°22	5° 3	5°42	4° 8	27°35	28°18	16° 7	27°43	F 26
S 27	4 49 4	11°41'46	1♐42	5°43	25°36	1°16	10°26	25°22	5° 1	5°43	4° 7	27°33	28°15	16°14	27°44	S 27
S 28	4 53 0	12°42'55	15°50	4°33	26°42	1°56	10°18	25°22	4°59	5°45	4° 6	27°32	28°12	16°21	27°46	S 28
M29	4 56 57	13°44'04	0♑12	3°30	27°48	2°36	10°10	25°R22	4°57	5°46	4° 5	27°D31	28° 9	16°27	27°48	M29
T 30	5 0 54	14♐45'13	14♑42	2♐37	28♎55	3♏15	10♊ 2	25♌22	4♉56	5♒48	4♋ 3	27♊32	28♊ 5	16♌34	27♒49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s30	22s35	0n39	24s 2	2s34	1n14	0n55	4s46	0n56	21n54	0s39	14n37	1n19	13n 9	0s27	19s11	0s 8	21n39	1s49	23n32	23n33	20n18	7s 9	5n37
T 2	16 47	24 4	0s37	24 14	2 34	0 57	1 1	5 2	0 55	21 53	0 39	14 36	1 20	13 8	0 27	19 11	0 8	21 40	1 49	23 32	23 33	20 17	7 9	5 37
W 3	17 5	24 1	1 51	24 25	2 34	0 40	1 6	5 17	0 55	21 52	0 39	14 35	1 20	13 7	0 27	19 10	0 8	21 40	1 49	23 32	23 33	20 15	7 9	5 37
T 4	17 22	22 26	2 59	24 35	2 33	0 23	1 12	5 33	0 55	21 52	0 39	14 34	1 20	13 7	0 27	19 10	0 8	21 40	1 49	23 32	23 33	20 14	7 9	5 36
F 5	17 39	19 27	3 55	24 42	2 31	0 5	1 17	5 48	0 54	21 51	0 39	14 34	1 20	13 6	0 27	19 10	0 8	21 40	1 48	23 32	23 33	20 13	7 10	5 36
S 6	17 55	15 20	4 38	24 48	2 29	0s13	1 22	6 3	0 54	21 50	0 39	14 33	1 20	13 5	0 27	19 10	0 8	21 40	1 48	23 32	23 33	20 11	7 10	5 36
S 7	18 11	10 23	5 4	24 52	2 25	0 32	1 27	6 19	0 54	21 49	0 39	14 32	1 21	13 4	0 27	19 10	0 8	21 40	1 48	23 32	23 33	20 10	7 10	5 35
M 8	18 27	4 56	5 11	24 55	2 21	0 51	1 32	6 34	0 54	21 48	0 39	14 32	1 21	13 4	0 27	19 9	0 8	21 40	1 48	23 32	23 33	20 8	7 11	5 35
T 9	18 42	0n44	5 0	24 55	2 16	1 10	1 37	6 49	0 53	21 48	0 39	14 31	1 21	13 3	0 27	19 9	0 8	21 40	1 48	23 32	23 33	20 7	7 11	5 34
W10	18 58	6 18	4 32	24 53	2 9	1 30	1 41	7 4	0 53	21 47	0 39	14 31	1 21	13 2	0 27	19 9	0 8	21 40	1 48	23 32	23 33	20 6	7 11	5 34
T 11	19 12	11 30	3 49	24 50	2 1	1 50	1 46	7 20	0 53	21 46	0 39	14 30	1 22	13 1	0 27	19 9	0 8	21 40	1 48	23 32	23 33	20 4	7 11	5 34
F 12	19 27	16 4	2 54	24 44	1 53	2 10	1 50	7 35	0 52	21 45	0 39	14 30	1 22	13 0	0 27	19 8	0 8	21 40	1 48	23 32	23 33	20 3	7 11	5 33
S 13	19 41	19 46	1 51	24 36	1 42	2 30	1 54	7 50	0 52	21 44	0 38	14 29	1 22	13 0	0 27	19 8	0 8	21 40	1 48	23 32	23 32	20 2	7 11	5 33
S 14	19 54	22 26	0 43	24 25	1 31	2 51	1 57	8 5	0 51	21 43	0 38	14 29	1 22	12 59	0 27	19 8	0 8	21 40	1 48	23 31	23 32	20 0	7 11	5 33
M15	20 8	23 57	0n25	24 13	1 18	3 12	2 1	8 20	0 51	21 42	0 38	14 29	1 23	12 58	0 27	19 8	0 8	21 40	1 48	23 31	23 32	19 59	7 11	5 32
T 16	20 21	24 16	1 31	23 57	1 3	3 33	2 4	8 35	0 51	21 41	0 38	14 28	1 23	12 58	0 27	19 7	0 8	21 40	1 48	23 31	23 32	19 57	7 12	5 32
W17	20 33	23 26	2 32	23 40	0 47	3 55	2 8	8 49	0 50	21 40	0 38	14 28	1 23	12 57	0 27	19 7	0 8	21 40	1 48	23 32	23 32	19 56	7 12	5 31
T 18	20 46	21 33	3 25	23 19	0 30	4 16	2 11	9 4	0 50	21 39	0 38	14 28	1 23	12 56	0 27	19 7	0 8	21 41	1 48	23 32	23 32	19 54	7 12	5 31
F 19	20 57	18 46	4 10	22 56	0 11	4 38	2 14	9 19	0 50	21 38	0 38	14 28	1 23	12 55	0 26	19 6	0 8	21 41	1 48	23 32	23 32	19 53	7 12	5 31
S 20	21 9	15 12	4 44	22 31	0n 8	5 0	2 16	9 34	0 49	21 37	0 38	14 28	1 24	12 55	0 26	19 6	0 8	21 41	1 48	23 32	23 32	19 52	7 12	5 30
S 21	21 20	11 1	5 6	22 4	0 28	5 22	2 19	9 48	0 49	21 36	0 38	14 27	1 24	12 54	0 26	19 6	0 8	21 41	1 48	23 32	23 32	19 50	7 11	5 30
M22	21 30	6 20	5 15	21 35	0 49	5 44	2 21	10 3	0 49	21 35	0 37	14 27	1 24	12 53	0 26	19 5	0 8	21 41	1 48	23 32	23 32	19 49	7 11	5 30
T 23	21 41	1 19	5 10	21 4	1 9	6 6	2 24	10 17	0 48	21 34	0 37	14 27	1 24	12 53	0 26	19 5	0 8	21 41	1 48	23 32	23 32	19 47	7 11	5 29
W24	21 50	3s53	4 49	20 33	1 28	6 28	2 26	10 32	0 48	21 33	0 37	14 27	1 25	12 52	0 26	19 5	0 8	21 41	1 48	23 31	23 32	19 46	7 11	5 29
T 25	22 0	9 5	4 13	20 3	1 47	6 51	2 28	10 46	0 47	21 32	0 37	14 27	1 25	12 52	0 26	19 4	0 8	21 41	1 48	23 31	23 32	19 44	7 11	5 29
F 26	22 9	14 0	3 22	19 33	2 3	7 13	2 29	11 0	0 47	21 31	0 37	14 27	1 25	12 51	0 26	19 4	0 8	21 41	1 48	23 31	23 32	19 43	7 11	5 28
S 27	22 17	18 20	2 18	19 6	2 18	7 36	2 31	11 15	0 47	21 30	0 37	14 28	1 25	12 50	0 26	19 4	0 8	21 41	1 48	23 31	23 32	19 41	7 11	5 28
S 28	22 25	21 43	1 4	18 41	2 30	7 58	2 32	11 29	0 46	21 29	0 37	14 28	1 26	12 50	0 26	19 3	0 8	21 41	1 48	23 31	23 32	19 40	7 11	5 27
M29	22 33	23 47	0s15	18 20	2 40	8 21	2 34	11 43	0 46	21 28	0 36	14 28	1 26	12 49	0 26	19 3	0 8	21 41	1 48	23 31	23 32	19 38	7 10	5 27
T 30	22s40	24s17	1s34	18s 2	2n48	8s43	2n35	11s57	0n45	21n27	0s36	14n28	1n26	12n49	0s26	19s 3	0s 8	21n41	1s48	23n31	23n32	19n37	7s10	5n27

Julian Day Number = 2153087.5, Delta T = 13m59s
Ecliptic obliquity = 23°32'43, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'47, Lahiri = 12°27'47 Julian Calendar 1 Nov. 1182 == Greg. Calendar 8 Nov. 1182

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ASTRODIENST EPHEMERIS for the year 1182
geocentric

DECEMBER 1182 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 4 50	15♐46'23	29♉15	1°R55	0♏ 2	3♏55	9°R54	25°R22	4°R54	5♒49	4°R 2	27♊33	28♊ 2	16♌41	27♒51	W 1
T 2	5 8 47	16°47'33	13♒46	1♐24	1° 9	4°35	9♊46	25♌22	4♉52	5°51	4♋ 1	27°34	27°59	16°47	27°53	T 2
F 3	5 12 43	17°48'43	28°10	1° 3	2°16	5°14	9°38	25°22	4°51	5°53	4° 0	27°35	27°56	16°54	27°55	F 3
S 4	5 16 40	18°49'54	12♓23	0°D53	3°23	5°54	9°30	25°21	4°49	5°54	3°59	27°R35	27°53	17° 1	27°57	S 4
S 5	5 20 36	19°51'04	26°24	0°53	4°31	6°34	9°22	25°21	4°48	5°56	3°58	27°35	27°49	17° 7	27°58	S 5
M 6	5 24 33	20°52'14	10♈11	1° 3	5°39	7°13	9°14	25°20	4°46	5°58	3°56	27°35	27°46	17°14	28° 0	M 6
T 7	5 28 29	21°53'25	23°45	1°20	6°47	7°53	9° 6	25°19	4°45	5°59	3°55	27°34	27°43	17°21	28° 3	T 7
W 8	5 32 26	22°54'35	7♉ 4	1°46	7°55	8°33	8°58	25°18	4°43	6° 1	3°54	27°33	27°40	17°28	28° 5	W 8
T 9	5 36 23	23°55'46	20°10	2°18	9° 4	9°12	8°51	25°17	4°42	6° 3	3°53	27°33	27°37	17°34	28° 7	T 9
F 10	5 40 19	24°56'56	3♊ 3	2°57	10°12	9°52	8°43	25°16	4°40	6° 5	3°51	27°33	27°34	17°41	28° 9	F 10
S 11	5 44 16	25°58'07	15°42	3°41	11°21	10°32	8°36	25°15	4°39	6° 7	3°50	27°32	27°30	17°48	28°11	S 11
S 12	5 48 12	26°59'17	28°10	4°31	12°30	11°12	8°28	25°13	4°38	6° 9	3°49	27°D32	27°27	17°54	28°14	S 12
M13	5 52 9	28° 0'28	10♋26	5°24	13°39	11°51	8°21	25°12	4°37	6°10	3°48	27°R32	27°24	18° 1	28°16	M13
T 14	5 56 5	29° 1'39	22°32	6°22	14°48	12°31	8°14	25°11	4°35	6°12	3°46	27°32	27°21	18° 8	28°18	T 14
W15	6 0 2	0♌ 2'50	4♌30	7°23	15°58	13°11	8° 7	25° 9	4°34	6°14	3°45	27°32	27°18	18°14	28°21	W15
T 16	6 3 58	1° 4'01	16°23	8°27	17° 8	13°51	8° 0	25° 7	4°33	6°16	3°44	27°32	27°15	18°21	28°23	T 16
F 17	6 7 55	2° 5'12	28°13	9°34	18°17	14°31	7°53	25° 5	4°32	6°18	3°43	27°31	27°11	18°28	28°26	F 17
S 18	6 11 52	3° 6'23	10♍ 4	10°44	19°27	15°11	7°46	25° 3	4°31	6°20	3°41	27°30	27° 8	18°34	28°28	S 18
S 19	6 15 48	4° 7'34	22° 1	11°55	20°37	15°51	7°40	25° 1	4°30	6°22	3°40	27°30	27° 5	18°41	28°31	S 19
M20	6 19 45	5° 8'46	4♎ 7	13° 9	21°47	16°31	7°33	24°59	4°29	6°24	3°39	27°D30	27° 2	18°48	28°34	M20
T 21	6 23 41	6° 9'57	16°28	14°24	22°57	17°10	7°27	24°57	4°29	6°26	3°38	27°30	26°59	18°55	28°36	T 21
W22	6 27 38	7°11'08	29° 7	15°41	24° 8	17°50	7°21	24°54	4°28	6°28	3°36	27°31	26°55	19° 1	28°39	W22
T 23	6 31 34	8°12'20	12♏10	16°59	25°18	18°30	7°15	24°52	4°27	6°30	3°35	27°31	26°52	19° 8	28°42	T 23
F 24	6 35 31	9°13'31	25°37	18°19	26°29	19°10	7° 9	24°49	4°26	6°32	3°34	27°33	26°49	19°15	28°45	F 24
S 25	6 39 27	10°14'42	9♐31	19°39	27°40	19°50	7° 3	24°47	4°26	6°34	3°33	27°33	26°46	19°21	28°48	S 25
S 26	6 43 24	11°15'53	23°49	21° 1	28°50	20°30	6°57	24°44	4°25	6°36	3°31	27°R34	26°43	19°28	28°51	S 26
M27	6 47 21	12°17'03	8♑29	22°24	0♐ 1	21°10	6°52	24°41	4°25	6°39	3°30	27°34	26°40	19°35	28°54	M27
T 28	6 51 17	13°18'13	23°23	23°48	1°12	21°50	6°47	24°38	4°24	6°41	3°29	27°33	26°36	19°41	28°57	T 28
W29	6 55 14	14°19'23	8♒24	25°13	2°23	22°30	6°42	24°35	4°24	6°43	3°28	27°31	26°33	19°48	29° 0	W29
T 30	6 59 10	15°20'32	23°22	26°38	3°35	23°10	6°37	24°32	4°23	6°45	3°26	27°29	26°30	19°55	29° 3	T 30
F 31	7 3 7	16♑21'39	8♓10	28♐ 5	4♐46	23♏50	6♊32	24♌29	4♉23	6♒47	3♋25	27♊26	26♊27	20♌ 2	29♒ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s47	23s 7	2s47	17s49	2n53	9s 6	2n36	12s11	0n45	21n26	0s36	14n28	1n26	12n48	0s26	19s 2	0s 8	21n42	1s48	23n31	23n32	19n35	7s10	5n26
T 2	22 53	20 25	3 49	17 39	2 56	9 28	2 37	12 24	0 44	21 25	0 36	14 29	1 26	12 47	0 26	19 2	0 8	21 42	1 47	23 31	23 32	19 34	7 10	5 26
F 3	22 59	16 29	4 36	17 34	2 58	9 51	2 38	12 38	0 44	21 24	0 36	14 29	1 27	12 47	0 26	19 1	0 8	21 42	1 47	23 31	23 32	19 32	7 9	5 26
S 4	23 4	11 39	5 6	17 32	2 57	10 13	2 38	12 52	0 43	21 23	0 36	14 29	1 27	12 46	0 26	19 1	0 8	21 42	1 47	23 31	23 32	19 31	7 9	5 25
S 5	23 9	6 17	5 17	17 34	2 56	10 35	2 39	13 5	0 43	21 22	0 35	14 30	1 27	12 46	0 26	19 1	0 8	21 42	1 47	23 31	23 32	19 29	7 9	5 25
M 6	23 14	0 41	5 10	17 39	2 53	10 58	2 39	13 19	0 43	21 21	0 35	14 30	1 27	12 45	0 26	19 0	0 8	21 42	1 47	23 31	23 32	19 28	7 8	5 25
T 7	23 18	4n51	4 45	17 46	2 48	11 20	2 40	13 32	0 42	21 20	0 35	14 31	1 28	12 45	0 26	19 0	0 8	21 42	1 47	23 31	23 32	19 26	7 8	5 24
W 8	23 21	10 4	4 5	17 56	2 43	11 42	2 40	13 45	0 42	21 19	0 35	14 31	1 28	12 45	0 26	18 59	0 8	21 42	1 47	23 31	23 31	19 25	7 7	5 24
T 9	23 24	14 46	3 13	18 9	2 37	12 3	2 40	13 59	0 41	21 18	0 35	14 32	1 28	12 44	0 26	18 59	0 8	21 42	1 47	23 31	23 31	19 23	7 7	5 24
F 10	23 27	18 42	2 12	18 22	2 31	12 25	2 40	14 12	0 41	21 17	0 35	14 32	1 28	12 44	0 26	18 58	0 9	21 42	1 47	23 31	23 31	19 22	7 7	5 23
S 11	23 29	21 42	1 5	18 38	2 24	12 47	2 39	14 25	0 40	21 16	0 34	14 33	1 29	12 43	0 26	18 58	0 9	21 42	1 47	23 31	23 31	19 20	7 6	5 23
S 12	23 31	23 35	0n 3	18 54	2 16	13 8	2 39	14 38	0 40	21 15	0 34	14 34	1 29	12 43	0 26	18 57	0 9	21 42	1 47	23 31	23 31	19 18	7 6	5 23
M13	23 32	24 19	1 11	19 11	2 9	13 29	2 38	14 50	0 39	21 14	0 34	14 34	1 29	12 42	0 26	18 57	0 9	21 43	1 47	23 31	23 31	19 17	7 5	5 22
T 14	23 32	23 52	2 14	19 29	2 0	13 50	2 38	15 3	0 39	21 13	0 34	14 35	1 29	12 42	0 26	18 57	0 9	21 43	1 47	23 31	23 31	19 15	7 5	5 22
W15	23 33	22 19	3 11	19 48	1 52	14 11	2 37	15 16	0 38	21 12	0 34	14 36	1 29	12 42	0 26	18 56	0 9	21 43	1 47	23 31	23 31	19 14	7 4	5 22
T 16	23 32	19 48	3 59	20 6	1 44	14 31	2 36	15 28	0 38	21 11	0 33	14 37	1 30	12 41	0 26	18 56	0 9	21 43	1 47	23 31	23 31	19 12	7 3	5 22
F 17	23 32	16 28	4 37	20 25	1 35	14 52	2 35	15 40	0 37	21 10	0 33	14 38	1 30	12 41	0 26	18 55	0 9	21 43	1 47	23 31	23 31	19 11	7 3	5 21
S 18	23 30	12 29	5 3	20 43	1 27	15 12	2 34	15 53	0 37	21 9	0 33	14 39	1 30	12 41	0 26	18 55	0 9	21 43	1 47	23 31	23 31	19 9	7 2	5 21
S 19	23 29	8 1	5 16	21 2	1 18	15 31	2 33	16 5	0 36	21 9	0 33	14 39	1 30	12 40	0 26	18 54	0 9	21 43	1 47	23 31	23 31	19 7	7 2	5 21
M20	23 27	3 10	5 15	21 20	1 10	15 51	2 32	16 17	0 36	21 8	0 33	14 40	1 31	12 40	0 26	18 54	0 9	21 43	1 47	23 31	23 31	19 6	7 1	5 20
T 21	23 24	1s53	5 0	21 37	1 1	16 10	2 31	16 29	0 35	21 7	0 33	14 41	1 31	12 40	0 26	18 53	0 9	21 43	1 46	23 31	23 31	19 4	7 0	5 20
W22	23 21	7 0	4 30	21 54	0 52	16 29	2 29	16 40	0 34	21 6	0 32	14 42	1 31	12 40	0 26	18 53	0 9	21 43	1 46	23 31	23 31	19 3	7 0	5 20
T 23	23 17	11 58	3 46	22 11	0 44	16 47	2 28	16 52	0 34	21 5	0 32	14 43	1 31	12 39	0 26	18 52	0 9	21 44	1 46	23 31	23 30	19 1	6 59	5 20
F 24	23 13	16 32	2 48	22 26	0 36	17 5	2 26	17 4	0 33	21 4	0 32	14 44	1 31	12 39	0 26	18 52	0 9	21 44	1 46	23 31	23 30	18 59	6 58	5 19
S 25	23 9	20 21	1 38	22 41	0 27	17 23	2 24	17 15	0 33	21 4	0 32	14 46	1 32	12 39	0 26	18 51	0 9	21 44	1 46	23 31	23 30	18 58	6 57	5 19
S 26	23 4	23 3	0 21	22 55	0 19	17 40	2 22	17 26	0 32	21 3	0 32	14 47	1 32	12 39	0 26	18 51	0 9	21 44	1 46	23 31	23 30	18 56	6 57	5 19
M27	22 58	24 16	1s 0	23 8	0 11	17 57	2 21	17 37	0 32	21 2	0 31	14 48	1 32	12 39	0 26	18 50	0 9	21 44	1 46	23 31	23 30	18 54	6 56	5 18
T 28	22 53	23 47	2 18	23 21	0 3	18 14	2 19	17 48	0 31	21 2	0 31	14 49	1 32	12 39	0 26	18 50	0 9	21 44	1 46	23 31	23 30	18 53	6 55	5 18
W29	22 46	21 34	3 27	23 32	0s 4	18 30	2 17	17 59	0 30	21 1	0 31	14 50	1 33	12 39	0 25	18 49	0 9	21 44	1 46	23 31	23 30	18 51	6 54	5 18
T 30	22 40	17 54	4 22	23 42	0 12	18 46	2 14	18 10	0 30	21 0	0 31	14 51	1 33	12 38	0 25	18 48	0 9	21 44	1 46	23 31	23 30	18 49	6 54	5 18
F 31	22s32	13s 8	4s58	23s51	0s19	19s 1	2n12	18s21	0n29	21n 0	0s30	14n53	1n33	12n38	0s25	18s48	0s 9	21n44	1s46	23n31	23n30	18n48	6s53	5n17

Julian Day Number = 2153117.5, Delta T = 13m59s
Ecliptic obliquity = 23°32'43, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'51, Lahiri = 12°27'51 Julian Calendar 1 Dec. 1182 == Greg. Calendar 8 Dec. 1182

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

JANUARY 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 3	17♑22'46	22♓41	29♐32	5♐57	24♏30	6°R27	24°R26	4°R23	6♒49	3°R24	27°R24	26♊24	20♌ 8	29♒ 9	S 1
S 2	7 11 0	18°23'52	6♈51	0♑59	7° 9	25°11	6♊23	24♌22	4♉22	6°51	3♋23	27♊23	26°21	20°15	29°12	S 2
M 3	7 14 57	19°24'57	20°39	2°28	8°20	25°51	6°19	24°19	4°22	6°54	3°21	27°D22	26°17	20°22	29°15	M 3
T 4	7 18 53	20°26'00	4♉ 4	3°57	9°32	26°31	6°15	24°15	4°22	6°56	3°20	27°23	26°14	20°28	29°19	T 4
W 5	7 22 50	21°27'03	17°10	5°27	10°43	27°11	6°11	24°12	4°22	6°58	3°19	27°24	26°11	20°35	29°22	W 5
T 6	7 26 46	22°28'05	29°57	6°57	11°55	27°51	6° 7	24° 8	4°D22	7° 0	3°18	27°26	26° 8	20°42	29°25	T 6
F 7	7 30 43	23°29'05	12♊30	8°29	13° 7	28°31	6° 4	24° 4	4°22	7° 2	3°17	27°27	26° 5	20°48	29°29	F 7
S 8	7 34 39	24°30'04	24°51	10° 0	14°19	29°11	6° 1	24° 0	4°22	7° 5	3°16	27°R28	26° 1	20°55	29°32	S 8
S 9	7 38 36	25°31'03	7♋ 3	11°33	15°30	29°51	5°58	23°56	4°22	7° 7	3°14	27°28	25°58	21° 2	29°35	S 9
M10	7 42 32	26°32'00	19° 7	13° 6	16°42	0♐31	5°55	23°53	4°23	7° 9	3°13	27°26	25°55	21° 9	29°39	M10
T 11	7 46 29	27°32'56	1♌ 5	14°40	17°54	1°12	5°52	23°49	4°23	7°11	3°12	27°22	25°52	21°15	29°42	T 11
W12	7 50 26	28°33'52	12°59	16°14	19° 7	1°52	5°50	23°44	4°23	7°14	3°11	27°18	25°49	21°22	29°46	W12
T 13	7 54 22	29°34'46	24°50	17°50	20°19	2°32	5°47	23°40	4°24	7°16	3°10	27°12	25°46	21°29	29°49	T 13
F 14	7 58 19	0♒35'39	6♍41	19°26	21°31	3°12	5°45	23°36	4°24	7°18	3° 9	27° 5	25°42	21°35	29°53	F 14
S 15	8 2 15	1°36'31	18°34	21° 2	22°43	3°52	5°43	23°32	4°24	7°20	3° 8	26°59	25°39	21°42	29°56	S 15
S 16	8 6 12	2°37'22	0♎31	22°39	23°55	4°33	5°42	23°28	4°25	7°23	3° 7	26°54	25°36	21°49	29°59	S 16
M17	8 10 8	3°38'12	12°37	24°18	25° 8	5°13	5°40	23°23	4°26	7°25	3° 6	26°50	25°33	21°55	0♓ 4	M17
T 18	8 14 5	4°39'01	24°54	25°56	26°20	5°53	5°39	23°19	4°26	7°27	3° 4	26°47	25°30	22° 2	0° 7	T 18
W19	8 18 1	5°39'49	7♏28	27°36	27°33	6°33	5°38	23°14	4°27	7°30	3° 3	26°D47	25°27	22° 9	0°11	W19
T 20	8 21 58	6°40'36	20°22	29°16	28°45	7°14	5°37	23°10	4°28	7°32	3° 2	26°48	25°23	22°16	0°15	T 20
F 21	8 25 55	7°41'23	3♐40	0♒57	29°58	7°54	5°37	23° 5	4°28	7°34	3° 1	26°49	25°20	22°22	0°18	F 21
S 22	8 29 51	8°42'08	17°26	2°39	1♑10	8°34	5°36	23° 1	4°29	7°36	3° 0	26°50	25°17	22°29	0°22	S 22
S 23	8 33 48	9°42'52	1♑40	4°22	2°23	9°14	5°36	22°56	4°30	7°39	2°59	26°R51	25°14	22°36	0°26	S 23
M24	8 37 44	10°43'35	16°20	6° 6	3°36	9°55	5°D36	22°51	4°31	7°41	2°58	26°49	25°11	22°42	0°29	M24
T 25	8 41 41	11°44'16	1♒22	7°50	4°48	10°35	5°36	22°47	4°32	7°43	2°57	26°45	25° 7	22°49	0°33	T 25
W26	8 45 37	12°44'56	16°37	9°36	6° 1	11°15	5°36	22°42	4°33	7°46	2°57	26°40	25° 4	22°56	0°37	W26
T 27	8 49 34	13°45'35	1♓54	11°22	7°14	11°56	5°37	22°37	4°34	7°48	2°56	26°33	25° 1	23° 2	0°41	T 27
F 28	8 53 30	14°46'11	17° 3	13° 9	8°27	12°36	5°38	22°33	4°35	7°50	2°55	26°25	24°58	23° 9	0°45	F 28
S 29	8 57 27	15°46'46	1♈54	14°57	9°39	13°16	5°39	22°28	4°36	7°52	2°54	26°18	24°55	23°16	0°48	S 29
S 30	9 1 24	16°47'20	16°21	16°45	10°52	13°57	5°40	22°23	4°38	7°55	2°53	26°12	24°52	23°23	0°52	S 30
M31	9 5 20	17♒47'51	0♉19	18♒35	12♑ 5	14♐37	5♊41	22♌18	4♉39	7♒57	2♋52	26♊ 9	24♊48	23♌29	0♓56	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s25	7s43	5s14	23s59	0s27	19s16	2n10	18s31	0n29	20n59	0s30	14n54	1n33	12n38	0s25	18s47	0s 9	21n44	1s46	23n31	23n30	18n46	6s52	5n17
S 2	22 17	2 2	5 11	24 6	0 34	19 30	2 8	18 41	0 28	20 59	0 30	14 55	1 33	12 38	0 25	18 47	0 9	21 45	1 46	23 31	23 30	18 44	6 51	5 17
M 3	22 8	3n37	4 50	24 12	0 40	19 44	2 5	18 52	0 27	20 58	0 30	14 57	1 33	12 38	0 25	18 46	0 9	21 45	1 46	23 31	23 30	18 43	6 50	5 17
T 4	21 59	8 58	4 13	24 16	0 47	19 57	2 3	19 2	0 27	20 58	0 30	14 58	1 34	12 38	0 25	18 46	0 9	21 45	1 45	23 31	23 29	18 41	6 49	5 16
W 5	21 50	13 46	3 24	24 19	0 54	20 10	2 0	19 12	0 26	20 57	0 29	14 59	1 34	12 38	0 25	18 45	0 9	21 45	1 45	23 31	23 29	18 39	6 48	5 16
T 6	21 40	17 51	2 26	24 21	1 0	20 22	1 58	19 21	0 25	20 57	0 29	15 1	1 34	12 38	0 25	18 45	0 9	21 45	1 45	23 31	23 29	18 38	6 47	5 16
F 7	21 30	21 3	1 21	24 22	1 6	20 34	1 55	19 31	0 25	20 56	0 29	15 2	1 34	12 38	0 25	18 44	0 9	21 45	1 45	23 31	23 29	18 36	6 46	5 16
S 8	21 19	23 12	0 14	24 21	1 11	20 46	1 52	19 40	0 24	20 56	0 29	15 4	1 34	12 38	0 25	18 44	0 9	21 45	1 45	23 31	23 29	18 34	6 45	5 16
S 9	21 8	24 14	0n52	24 19	1 17	20 56	1 50	19 50	0 23	20 56	0 29	15 5	1 35	12 38	0 25	18 43	0 9	21 45	1 45	23 31	23 29	18 33	6 44	5 15
M10	20 56	24 5	1 56	24 16	1 22	21 6	1 47	19 59	0 23	20 55	0 28	15 7	1 35	12 38	0 25	18 42	0 9	21 45	1 45	23 31	23 29	18 31	6 43	5 15
T 11	20 45	22 50	2 54	24 11	1 27	21 16	1 44	20 8	0 22	20 55	0 28	15 8	1 35	12 39	0 25	18 42	0 9	21 45	1 45	23 31	23 29	18 29	6 42	5 15
W12	20 32	20 34	3 43	24 4	1 32	21 25	1 41	20 17	0 21	20 55	0 28	15 10	1 35	12 39	0 25	18 41	0 9	21 46	1 45	23 31	23 29	18 28	6 41	5 15
T 13	20 20	17 26	4 23	23 57	1 36	21 34	1 38	20 25	0 21	20 55	0 28	15 11	1 35	12 39	0 25	18 41	0 9	21 46	1 45	23 31	23 29	18 26	6 40	5 15
F 14	20 7	13 36	4 52	23 47	1 40	21 41	1 35	20 34	0 20	20 55	0 28	15 13	1 35	12 39	0 25	18 40	0 9	21 46	1 45	23 31	23 29	18 24	6 39	5 14
S 15	19 53	9 15	5 8	23 37	1 44	21 49	1 32	20 42	0 19	20 54	0 27	15 14	1 36	12 39	0 25	18 40	0 9	21 46	1 45	23 31	23 28	18 22	6 38	5 14
S 16	19 40	4 32	5 10	23 24	1 48	21 55	1 29	20 50	0 18	20 54	0 27	15 16	1 36	12 39	0 25	18 39	0 9	21 46	1 45	23 31	23 28	18 21	6 37	5 14
M17	19 26	0s25	4 59	23 11	1 51	22 1	1 26	20 59	0 18	20 54	0 27	15 18	1 36	12 40	0 25	18 38	0 9	21 46	1 44	23 30	23 28	18 19	6 36	5 14
T 18	19 11	5 25	4 35	22 55	1 54	22 7	1 23	21 6	0 17	20 54	0 27	15 19	1 36	12 40	0 25	18 38	0 9	21 46	1 44	23 30	23 28	18 17	6 35	5 14
W19	18 56	10 20	3 56	22 38	1 57	22 12	1 20	21 14	0 16	20 54	0 26	15 21	1 36	12 40	0 25	18 37	0 9	21 46	1 44	23 30	23 28	18 15	6 34	5 13
T 20	18 41	14 57	3 5	22 20	1 59	22 16	1 17	21 22	0 15	20 54	0 26	15 22	1 36	12 40	0 25	18 37	0 9	21 46	1 44	23 30	23 28	18 14	6 33	5 13
F 21	18 26	18 58	2 2	22 0	2 1	22 19	1 13	21 29	0 15	20 54	0 26	15 24	1 36	12 41	0 25	18 36	0 9	21 47	1 44	23 30	23 28	18 12	6 32	5 13
S 22	18 10	22 6	0 51	21 38	2 2	22 22	1 10	21 36	0 14	20 55	0 26	15 26	1 37	12 41	0 25	18 36	0 9	21 47	1 44	23 30	23 28	18 10	6 31	5 13
S 23	17 54	23 58	0s26	21 15	2 3	22 25	1 7	21 43	0 13	20 55	0 26	15 27	1 37	12 41	0 25	18 35	0 9	21 47	1 44	23 30	23 28	18 8	6 29	5 13
M24	17 37	24 15	1 44	20 50	2 4	22 26	1 4	21 50	0 12	20 55	0 25	15 29	1 37	12 42	0 25	18 34	0 9	21 47	1 44	23 30	23 27	18 6	6 28	5 13
T 25	17 21	22 48	2 56	20 23	2 4	22 27	1 0	21 57	0 11	20 55	0 25	15 31	1 37	12 42	0 25	18 34	0 9	21 47	1 44	23 30	23 27	18 5	6 27	5 13
W26	17 4	19 40	3 56	19 55	2 4	22 27	0 57	22 3	0 11	20 55	0 25	15 32	1 37	12 42	0 25	18 33	0 9	21 47	1 44	23 30	23 27	18 3	6 26	5 12
T 27	16 46	15 11	4 40	19 25	2 3	22 27	0 54	22 10	0 10	20 56	0 25	15 34	1 37	12 43	0 25	18 33	0 9	21 47	1 44	23 30	23 27	18 1	6 25	5 12
F 28	16 29	9 47	5 3	18 54	2 2	22 26	0 51	22 16	0 9	20 56	0 25	15 36	1 37	12 43	0 25	18 32	0 9	21 47	1 44	23 30	23 27	17 59	6 23	5 12
S 29	16 11	3 55	5 6	18 21	2 1	22 24	0 47	22 22	0 8	20 56	0 24	15 37	1 37	12 44	0 25	18 32	0 9	21 47	1 43	23 30	23 27	17 57	6 22	5 12
S 30	15 52	2n 1	4 49	17 46	1 59	22 22	0 44	22 27	0 7	20 57	0 24	15 39	1 38	12 44	0 25	18 31	0 9	21 48	1 43	23 29	23 27	17 56	6 21	5 12
M31	15s34	7n39	4s15	17s10	1s56	22s19	0n41	22s33	0n 6	20n57	0s24	15n41	1n38	12n45	0s25	18s30	0s 9	21n48	1s43	23n29	23n27	17n54	6s20	5n12

Julian Day Number = 2153148.5, Delta T = 13m59s
Ecliptic obliquity = 23°32'43, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'55, Lahiri = 12°27'56 Julian Calendar 1 Jan. 1183 == Greg. Calendar 8 Jan. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

FEBRUARY 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 9 17	18♒48'20	13♉48	20♒25	13♑18	15♐17	5♊43	22°R13	4♉40	7♒59	2°R51	26°D 7	24♊45	23♌36	1♓ 0	T 1
W 2	9 13 13	19°48'48	26°52	22°16	14°31	15°58	5°44	22♌ 9	4°42	8° 1	2♋50	26♊ 7	24°42	23°43	1° 4	W 2
T 3	9 17 10	20°49'13	9♊33	24° 8	15°44	16°38	5°46	22° 4	4°43	8° 4	2°50	26° 8	24°39	23°49	1° 8	T 3
F 4	9 21 6	21°49'37	21°57	26° 0	16°57	17°18	5°49	21°59	4°45	8° 6	2°49	26°R 9	24°36	23°56	1°12	F 4
S 5	9 25 3	22°49'59	4♋ 7	27°53	18°10	17°59	5°51	21°54	4°46	8° 8	2°48	26° 9	24°33	24° 3	1°16	S 5
S 6	9 28 59	23°50'19	16° 8	29°47	19°23	18°39	5°53	21°49	4°48	8°10	2°47	26° 6	24°29	24° 9	1°19	S 6
M 7	9 32 56	24°50'36	28° 3	1♓41	20°36	19°20	5°56	21°44	4°49	8°12	2°47	26° 2	24°26	24°16	1°23	M 7
T 8	9 36 53	25°50'52	9♌55	3°35	21°49	20° 0	5°59	21°40	4°51	8°15	2°46	25°54	24°23	24°23	1°27	T 8
W 9	9 40 49	26°51'06	21°46	5°29	23° 2	20°40	6° 2	21°35	4°53	8°17	2°45	25°44	24°20	24°30	1°31	W 9
T 10	9 44 46	27°51'19	3♍37	7°22	24°15	21°21	6° 5	21°30	4°54	8°19	2°45	25°33	24°17	24°36	1°35	T 10
F 11	9 48 42	28°51'29	15°31	9°16	25°28	22° 1	6° 9	21°25	4°56	8°21	2°44	25°20	24°13	24°43	1°39	F 11
S 12	9 52 39	29°51'37	27°29	11° 8	26°41	22°41	6°13	21°21	4°58	8°23	2°43	25° 8	24°10	24°50	1°43	S 12
S 13	9 56 35	0♓51'44	9♎32	13° 0	27°55	23°22	6°16	21°16	5° 0	8°26	2°43	24°57	24° 7	24°56	1°47	S 13
M14	10 0 32	1°51'49	21°42	14°50	29° 8	24° 2	6°20	21°11	5° 2	8°28	2°42	24°48	24° 4	25° 3	1°51	M14
T 15	10 4 28	2°51'52	4♏ 2	16°38	0♒21	24°43	6°25	21° 6	5° 4	8°30	2°42	24°41	24° 1	25°10	1°55	T 15
W16	10 8 25	3°51'54	16°36	18°24	1°34	25°23	6°29	21° 2	5° 6	8°32	2°41	24°38	23°58	25°17	1°59	W16
T 17	10 12 21	4°51'54	29°26	20° 7	2°47	26° 4	6°34	20°57	5° 8	8°34	2°41	24°36	23°54	25°23	2° 3	T 17
F 18	10 16 18	5°51'53	12♐37	21°46	4° 1	26°44	6°38	20°53	5°10	8°36	2°40	24°D36	23°51	25°30	2° 7	F 18
S 19	10 20 15	6°51'50	26°11	23°22	5°14	27°24	6°43	20°48	5°12	8°38	2°40	24°R36	23°48	25°37	2°11	S 19
S 20	10 24 11	7°51'45	10♑12	24°54	6°27	28° 5	6°48	20°43	5°14	8°40	2°39	24°36	23°45	25°43	2°14	S 20
M21	10 28 8	8°51'39	24°40	26°21	7°41	28°45	6°54	20°39	5°17	8°42	2°39	24°33	23°42	25°50	2°18	M21
T 22	10 32 4	9°51'30	9♒32	27°42	8°54	29°26	6°59	20°35	5°19	8°44	2°38	24°27	23°39	25°57	2°22	T 22
W23	10 36 1	10°51'20	24°41	28°58	10° 7	0♑ 6	7° 5	20°30	5°21	8°46	2°38	24°19	23°35	26° 3	2°26	W23
T 24	10 39 57	11°51'08	9♓59	0♈ 7	11°21	0°47	7°10	20°26	5°24	8°48	2°38	24° 8	23°32	26°10	2°30	T 24
F 25	10 43 54	12°50'54	25°14	1° 9	12°34	1°27	7°16	20°22	5°26	8°50	2°37	23°57	23°29	26°17	2°34	F 25
S 26	10 47 50	13°50'37	10♈14	2° 5	13°47	2° 7	7°22	20°17	5°28	8°52	2°37	23°46	23°26	26°24	2°38	S 26
S 27	10 51 47	14°50'19	24°52	2°53	15° 1	2°48	7°28	20°13	5°31	8°54	2°37	23°37	23°23	26°30	2°42	S 27
M28	10 55 44	15♓49'58	9♉ 1	3♈33	16♒14	3♑28	7♊35	20♌ 9	5♉33	8♒56	2♋37	23♊30	23♊19	26♌37	2♓46	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s15	12n45	3s28	16s32	1s53	22s15	0n37	22s38	0n 5	20n58	0s24	15n42	1n38	12n45	0s24	18s30	0s 9	21n48	1s43	23n29	23n26	17n52	6s18	5n12
W 2	14 56	17 6	2 31	15 52	1 49	22 11	0 34	22 44	0 5	20 58	0 24	15 44	1 38	12 46	0 24	18 29	0 9	21 48	1 43	23 29	23 26	17 50	6 17	5 12
T 3	14 37	20 32	1 28	15 11	1 45	22 6	0 31	22 49	0 4	20 59	0 23	15 46	1 38	12 46	0 24	18 29	0 9	21 48	1 43	23 29	23 26	17 48	6 16	5 12
F 4	14 18	22 55	0 23	14 29	1 40	22 1	0 28	22 53	0 3	20 59	0 23	15 47	1 38	12 47	0 24	18 28	0 9	21 48	1 43	23 29	23 26	17 46	6 15	5 11
S 5	13 58	24 11	0n43	13 45	1 35	21 54	0 24	22 58	0 2	21 0	0 23	15 49	1 38	12 47	0 24	18 28	0 9	21 48	1 43	23 29	23 26	17 45	6 13	5 11
S 6	13 38	24 18	1 45	12 59	1 29	21 47	0 21	23 3	0 1	21 1	0 23	15 51	1 38	12 48	0 24	18 27	0 9	21 48	1 43	23 29	23 26	17 43	6 12	5 11
M 7	13 18	23 17	2 42	12 12	1 22	21 40	0 18	23 7	0 0	21 1	0 23	15 52	1 38	12 48	0 24	18 26	0 9	21 48	1 43	23 29	23 26	17 41	6 11	5 11
T 8	12 58	21 14	3 32	11 24	1 15	21 32	0 15	23 11	0s 1	21 2	0 22	15 54	1 38	12 49	0 24	18 26	0 9	21 49	1 43	23 29	23 26	17 39	6 9	5 11
W 9	12 37	18 17	4 12	10 35	1 7	21 23	0 11	23 15	0 2	21 3	0 22	15 56	1 38	12 49	0 24	18 25	0 9	21 49	1 42	23 29	23 25	17 37	6 8	5 11
T 10	12 16	14 35	4 41	9 45	0 59	21 14	0 8	23 18	0 3	21 3	0 22	15 57	1 39	12 50	0 24	18 25	0 9	21 49	1 42	23 28	23 25	17 35	6 7	5 11
F 11	11 55	10 18	4 58	8 54	0 49	21 3	0 5	23 22	0 4	21 4	0 22	15 59	1 39	12 51	0 24	18 24	0 9	21 49	1 42	23 28	23 25	17 33	6 5	5 11
S 12	11 34	5 37	5 2	8 2	0 40	20 53	0 2	23 25	0 5	21 5	0 22	16 0	1 39	12 51	0 24	18 24	0 9	21 49	1 42	23 27	23 25	17 32	6 4	5 11
S 13	11 13	0 41	4 53	7 9	0 29	20 42	0s 1	23 28	0 6	21 6	0 21	16 2	1 39	12 52	0 24	18 23	0 9	21 49	1 42	23 27	23 25	17 30	6 3	5 11
M14	10 51	4s19	4 30	6 17	0 18	20 30	0 4	23 31	0 7	21 7	0 21	16 4	1 39	12 53	0 24	18 23	0 9	21 49	1 42	23 27	23 25	17 28	6 1	5 11
T 15	10 30	9 14	3 55	5 24	0 7	20 17	0 7	23 34	0 8	21 8	0 21	16 5	1 39	12 53	0 24	18 22	0 9	21 49	1 42	23 26	23 25	17 26	6 0	5 11
W16	10 8	13 53	3 7	4 32	0n 5	20 4	0 10	23 37	0 9	21 9	0 21	16 7	1 39	12 54	0 24	18 21	0 9	21 49	1 42	23 26	23 24	17 24	5 59	5 11
T 17	9 46	18 1	2 9	3 40	0 18	19 50	0 13	23 39	0 10	21 10	0 21	16 8	1 39	12 55	0 24	18 21	0 9	21 49	1 42	23 26	23 24	17 22	5 57	5 11
F 18	9 24	21 22	1 3	2 48	0 31	19 36	0 16	23 41	0 11	21 11	0 21	16 10	1 39	12 56	0 24	18 20	0 9	21 50	1 42	23 26	23 24	17 20	5 56	5 11
S 19	9 2	23 38	0s 8	1 58	0 44	19 21	0 19	23 43	0 12	21 12	0 20	16 11	1 39	12 56	0 24	18 20	0 9	21 50	1 41	23 26	23 24	17 18	5 55	5 11
S 20	8 39	24 31	1 22	1 9	0 57	19 6	0 22	23 45	0 13	21 13	0 20	16 13	1 39	12 57	0 24	18 19	0 9	21 50	1 41	23 26	23 24	17 16	5 53	5 11
M21	8 17	23 47	2 32	0 22	1 11	18 50	0 25	23 46	0 14	21 14	0 20	16 14	1 39	12 58	0 24	18 19	0 9	21 50	1 41	23 26	23 24	17 14	5 52	5 11
T 22	7 54	21 23	3 34	0n23	1 25	18 34	0 28	23 48	0 15	21 15	0 20	16 16	1 39	12 59	0 24	18 18	0 9	21 50	1 41	23 26	23 24	17 13	5 51	5 11
W23	7 32	17 28	4 22	1 5	1 38	18 17	0 31	23 49	0 16	21 16	0 20	16 17	1 39	12 59	0 24	18 18	0 9	21 50	1 41	23 25	23 23	17 11	5 49	5 11
T 24	7 9	12 21	4 52	1 45	1 51	17 59	0 33	23 50	0 17	21 17	0 19	16 18	1 39	13 0	0 24	18 17	0 9	21 50	1 41	23 25	23 23	17 9	5 48	5 11
F 25	6 46	6 30	5 1	2 22	2 5	17 41	0 36	23 51	0 18	21 18	0 19	16 20	1 39	13 1	0 24	18 17	0 9	21 50	1 41	23 24	23 23	17 7	5 46	5 11
S 26	6 23	0 21	4 49	2 55	2 17	17 23	0 38	23 51	0 20	21 19	0 19	16 21	1 39	13 2	0 24	18 16	0 9	21 50	1 41	23 24	23 23	17 5	5 45	5 11
S 27	6 0	5n40	4 18	3 26	2 29	17 4	0 41	23 52	0 21	21 21	0 19	16 23	1 39	13 3	0 24	18 16	0 9	21 51	1 41	23 23	23 23	17 3	5 44	5 11
M28	5s37	11n13	3s32	3n52	2n40	16s44	0s44	23s52	0s22	21n22	0s19	16n24	1n39	13n 3	0s24	18s15	0s 9	21n51	1s41	23n23	23n23	17n 1	5s42	5n11

Julian Day Number = 2153179.5, Delta T = 13m58s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°20'59, Lahiri = 12°28'00 Julian Calendar 1 Feb. 1183 == Greg. Calendar 8 Feb. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

MARCH 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 59 40	16♓49'35	22♉39	4♈ 5	17♒27	4♑ 9	7♊41	20°R 5	5♉36	8♒58	2°R36	23°R26	23♊16	26♌44	2♓49	T 1
W 2	11 3 37	17°49'10	5♊49	4°29	18°41	4°49	7°48	20♌ 1	5°38	9° 0	2♋36	23♊25	23°13	26°50	2°53	W 2
T 3	11 7 33	18°48'42	18°33	4°45	19°54	5°29	7°55	19°57	5°41	9° 2	2°36	23°24	23°10	26°57	2°57	T 3
F 4	11 11 30	19°48'13	0♋56	4°53	21° 7	6°10	8° 2	19°53	5°44	9° 4	2°36	23°24	23° 7	27° 4	3° 1	F 4
S 5	11 15 26	20°47'40	13° 4	4°R53	22°21	6°50	8° 9	19°49	5°46	9° 5	2°36	23°23	23° 4	27°11	3° 5	S 5
S 6	11 19 23	21°47'06	25° 1	4°45	23°34	7°30	8°16	19°46	5°49	9° 7	2°36	23°20	23° 0	27°17	3° 8	S 6
M 7	11 23 19	22°46'29	6♌53	4°30	24°48	8°11	8°24	19°42	5°52	9° 9	2°36	23°15	22°57	27°24	3°12	M 7
T 8	11 27 16	23°45'50	18°42	4° 9	26° 1	8°51	8°31	19°38	5°54	9°11	2°35	23° 6	22°54	27°31	3°16	T 8
W 9	11 31 13	24°45'08	0♍33	3°40	27°14	9°31	8°39	19°35	5°57	9°12	2°35	22°55	22°51	27°37	3°20	W 9
T 10	11 35 9	25°44'24	12°27	3° 6	28°28	10°12	8°47	19°31	6° 0	9°14	2°D35	22°41	22°48	27°44	3°23	T 10
F 11	11 39 6	26°43'38	24°27	2°28	29°41	10°52	8°55	19°28	6° 3	9°16	2°35	22°27	22°44	27°51	3°27	F 11
S 12	11 43 2	27°42'50	6♎33	1°45	0♓55	11°32	9° 3	19°25	6° 6	9°18	2°35	22°13	22°41	27°57	3°31	S 12
S 13	11 46 59	28°42'00	18°46	0°59	2° 8	12°12	9°11	19°22	6° 9	9°19	2°36	22° 0	22°38	28° 4	3°34	S 13
M14	11 50 55	29°41'08	1♏ 8	0°11	3°21	12°53	9°20	19°19	6°12	9°21	2°36	21°50	22°35	28°11	3°38	M14
T 15	11 54 52	0♈40'14	13°38	29♓22	4°35	13°33	9°28	19°16	6°15	9°22	2°36	21°42	22°32	28°18	3°42	T 15
W16	11 58 48	1°39'19	26°21	28°32	5°48	14°13	9°37	19°13	6°18	9°24	2°36	21°37	22°29	28°24	3°45	W16
T 17	12 2 45	2°38'21	9♐16	27°44	7° 2	14°54	9°45	19°10	6°21	9°26	2°36	21°35	22°25	28°31	3°49	T 17
F 18	12 6 42	3°37'22	22°28	26°57	8°15	15°34	9°54	19° 7	6°24	9°27	2°36	21°D35	22°22	28°38	3°52	F 18
S 19	12 10 38	4°36'21	5♑59	26°13	9°29	16°14	10° 3	19° 4	6°27	9°29	2°36	21°R35	22°19	28°44	3°56	S 19
S 20	12 14 35	5°35'18	19°50	25°32	10°42	16°54	10°12	19° 2	6°30	9°30	2°37	21°34	22°16	28°51	3°59	S 20
M21	12 18 31	6°34'13	4♒ 4	24°55	11°56	17°34	10°22	18°59	6°33	9°32	2°37	21°32	22°13	28°58	4° 3	M21
T 22	12 22 28	7°33'07	18°38	24°22	13° 9	18°14	10°31	18°57	6°36	9°33	2°37	21°27	22°10	29° 5	4° 6	T 22
W23	12 26 24	8°31'59	3♓28	23°54	14°23	18°55	10°40	18°55	6°39	9°34	2°37	21°19	22° 6	29°11	4°10	W23
T 24	12 30 21	9°30'48	18°29	23°30	15°36	19°35	10°50	18°52	6°42	9°36	2°38	21°10	22° 3	29°18	4°13	T 24
F 25	12 34 17	10°29'36	3♈30	23°12	16°49	20°15	11° 0	18°50	6°45	9°37	2°38	20°59	22° 0	29°25	4°16	F 25
S 26	12 38 14	11°28'22	18°22	23° 0	18° 3	20°55	11° 9	18°48	6°49	9°38	2°38	20°49	21°57	29°31	4°20	S 26
S 27	12 42 11	12°27'06	2♉56	22°52	19°16	21°35	11°19	18°46	6°52	9°40	2°39	20°40	21°54	29°38	4°23	S 27
M28	12 46 7	13°25'48	17° 6	22°D50	20°30	22°15	11°29	18°45	6°55	9°41	2°39	20°34	21°50	29°45	4°26	M28
T 29	12 50 4	14°24'28	0♊48	22°53	21°43	22°55	11°39	18°43	6°58	9°42	2°40	20°30	21°47	29°52	4°29	T 29
W30	12 54 0	15°23'05	14° 3	23° 1	22°57	23°35	11°50	18°41	7° 2	9°43	2°40	20°28	21°44	29°58	4°32	W30
T 31	12 57 57	16♈21'41	26♊52	23♓14	24♓10	24♑15	12♊ 0	18♌40	7♉ 5	9♒44	2♋41	20°D28	21♊41	0♍ 5	4♓36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s13	16n 1	2s35	4n15	2n51	16s24	0s46	23s52	0s23	21n23	0s19	16n25	1n39	13n 4	0s24	18s15	0s 9	21n51	1s40	23n23	23n22	16n59	5s41	5n11
W 2	4 50	19 52	1 32	4 33	3 1	16 4	0 48	23 52	0 24	21 24	0 18	16 26	1 39	13 5	0 24	18 14	0 9	21 51	1 40	23 23	23 22	16 57	5 39	5 11
T 3	4 27	22 37	0 26	4 47	3 9	15 43	0 51	23 51	0 25	21 26	0 18	16 28	1 39	13 6	0 24	18 14	0 9	21 51	1 40	23 23	23 22	16 55	5 38	5 11
F 4	4 3	24 12	0n40	4 57	3 16	15 21	0 53	23 51	0 27	21 27	0 18	16 29	1 39	13 7	0 24	18 13	0 9	21 51	1 40	23 23	23 22	16 53	5 37	5 11
S 5	3 40	24 36	1 42	5 2	3 22	15 0	0 55	23 50	0 28	21 28	0 18	16 30	1 39	13 8	0 24	18 13	0 9	21 51	1 40	23 23	23 22	16 51	5 35	5 11
S 6	3 16	23 49	2 39	5 3	3 27	14 38	0 58	23 49	0 29	21 29	0 18	16 31	1 39	13 9	0 24	18 12	0 9	21 51	1 40	23 23	23 22	16 49	5 34	5 11
M 7	2 53	21 59	3 28	5 0	3 29	14 15	1 0	23 48	0 30	21 31	0 18	16 32	1 39	13 10	0 24	18 12	0 9	21 51	1 40	23 22	23 21	16 47	5 32	5 11
T 8	2 29	19 13	4 8	4 52	3 31	13 52	1 2	23 46	0 31	21 32	0 17	16 33	1 39	13 11	0 24	18 12	0 10	21 51	1 40	23 22	23 21	16 45	5 31	5 11
W 9	2 6	15 39	4 37	4 41	3 30	13 29	1 4	23 45	0 33	21 34	0 17	16 35	1 39	13 12	0 24	18 11	0 10	21 52	1 40	23 21	23 21	16 43	5 30	5 11
T 10	1 42	11 27	4 55	4 25	3 28	13 5	1 6	23 43	0 34	21 35	0 17	16 36	1 39	13 13	0 24	18 11	0 10	21 52	1 40	23 21	23 21	16 41	5 28	5 11
F 11	1 18	6 47	4 59	4 6	3 24	12 41	1 8	23 41	0 35	21 36	0 17	16 37	1 39	13 14	0 24	18 10	0 10	21 52	1 39	23 20	23 21	16 39	5 27	5 11
S 12	0 55	1 50	4 50	3 44	3 18	12 17	1 9	23 39	0 37	21 38	0 17	16 38	1 39	13 15	0 24	18 10	0 10	21 52	1 39	23 19	23 21	16 37	5 26	5 11
S 13	0 31	3s15	4 28	3 18	3 11	11 52	1 11	23 37	0 38	21 39	0 17	16 39	1 39	13 16	0 24	18 9	0 10	21 52	1 39	23 18	23 20	16 35	5 24	5 11
M14	0 8	8 17	3 53	2 51	3 2	11 27	1 13	23 34	0 39	21 41	0 16	16 40	1 39	13 17	0 23	18 9	0 10	21 52	1 39	23 18	23 20	16 33	5 23	5 11
T 15	0n16	13 3	3 6	2 22	2 51	11 2	1 14	23 31	0 41	21 42	0 16	16 41	1 39	13 18	0 23	18 9	0 10	21 52	1 39	23 17	23 20	16 31	5 21	5 12
W16	0 40	17 20	2 9	1 51	2 39	10 36	1 16	23 29	0 42	21 43	0 16	16 41	1 39	13 19	0 23	18 8	0 10	21 52	1 39	23 17	23 20	16 29	5 20	5 12
T 17	1 3	20 52	1 5	1 20	2 26	10 10	1 18	23 26	0 43	21 45	0 16	16 42	1 39	13 20	0 23	18 8	0 10	21 52	1 39	23 17	23 20	16 27	5 19	5 12
F 18	1 27	23 25	0s 5	0 48	2 12	9 44	1 19	23 22	0 45	21 46	0 16	16 43	1 39	13 21	0 23	18 7	0 10	21 52	1 39	23 17	23 19	16 25	5 17	5 12
S 19	1 50	24 40	1 15	0 17	1 57	9 17	1 20	23 19	0 46	21 48	0 16	16 44	1 39	13 22	0 23	18 7	0 10	21 53	1 39	23 17	23 19	16 23	5 16	5 12
S 20	2 14	24 26	2 24	0s14	1 42	8 51	1 22	23 15	0 47	21 49	0 16	16 45	1 39	13 23	0 23	18 7	0 10	21 53	1 39	23 17	23 19	16 21	5 15	5 12
M21	2 37	22 38	3 25	0 43	1 26	8 24	1 23	23 11	0 49	21 51	0 15	16 45	1 38	13 24	0 23	18 6	0 10	21 53	1 38	23 16	23 19	16 19	5 13	5 12
T 22	3 1	19 20	4 14	1 11	1 10	7 57	1 24	23 8	0 50	21 52	0 15	16 46	1 38	13 25	0 23	18 6	0 10	21 53	1 38	23 16	23 19	16 17	5 12	5 12
W23	3 24	14 44	4 47	1 37	0 54	7 29	1 25	23 3	0 52	21 54	0 15	16 47	1 38	13 26	0 23	18 5	0 10	21 53	1 38	23 16	23 19	16 15	5 11	5 12
T 24	3 47	9 11	5 1	2 1	0 38	7 1	1 26	22 59	0 53	21 55	0 15	16 47	1 38	13 27	0 23	18 5	0 10	21 53	1 38	23 15	23 18	16 12	5 9	5 12
F 25	4 10	3 6	4 55	2 23	0 22	6 34	1 27	22 55	0 54	21 57	0 15	16 48	1 38	13 28	0 23	18 5	0 10	21 53	1 38	23 14	23 18	16 10	5 8	5 13
S 26	4 33	3n 6	4 28	2 42	0 6	6 6	1 28	22 50	0 56	21 58	0 15	16 48	1 38	13 29	0 23	18 4	0 10	21 53	1 38	23 14	23 18	16 8	5 7	5 13
S 27	4 56	9 2	3 44	2 59	0s 9	5 37	1 29	22 45	0 57	22 0	0 15	16 49	1 38	13 30	0 23	18 4	0 10	21 53	1 38	23 13	23 18	16 6	5 5	5 13
M28	5 19	14 20	2 47	3 13	0 24	5 9	1 30	22 40	0 59	22 1	0 14	16 50	1 38	13 31	0 23	18 4	0 10	21 53	1 38	23 12	23 18	16 4	5 4	5 13
T 29	5 42	18 44	1 43	3 25	0 38	4 41	1 30	22 35	1 0	22 3	0 14	16 50	1 38	13 32	0 23	18 3	0 10	21 53	1 38	23 12	23 17	16 2	5 3	5 13
W30	6 5	22 1	0 34	3 34	0 52	4 12	1 31	22 30	1 2	22 4	0 14	16 50	1 38	13 33	0 23	18 3	0 10	21 54	1 38	23 12	23 17	16 0	5 1	5 13
T 31	6n28	24n 5	0n34	3s41	1s 4	3s43	1s31	22s24	1s 3	22n 6	0s14	16n51	1n38	13n34	0s23	18s 3	0s10	21n54	1s37	23n12	23n17	15n58	5s 0	5n13

Julian Day Number = 2153207.5, Delta T = 13m58s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'03, Lahiri = 12°28'04 Julian Calendar 1 March 1183 == Greg. Calendar 8 March 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

APRIL 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 1 53	17♈20'14	9♋19	23♓32	25♓24	24♉55	12♊10	18°R38	7♉ 8	9♒46	2♋41	20♊28	21♊38	0♍12	4♓39	F 1
S 2	13 5 50	18°18'45	21°29	23°54	26°37	25°34	12°21	18♌37	7°12	9°47	2°42	20°R29	21°35	0°18	4°42	S 2
S 3	13 9 46	19°17'13	3♌28	24°21	27°51	26°14	12°31	18°36	7°15	9°48	2°42	20°27	21°31	0°25	4°45	S 3
M 4	13 13 43	20°15'40	15°21	24°52	29° 4	26°54	12°42	18°35	7°18	9°49	2°43	20°24	21°28	0°32	4°48	M 4
T 5	13 17 40	21°14'04	27°11	25°27	0♈18	27°34	12°53	18°34	7°22	9°50	2°43	20°19	21°25	0°39	4°51	T 5
W 6	13 21 36	22°12'26	9♍ 4	26° 6	1°31	28°13	13° 4	18°33	7°25	9°51	2°44	20°11	21°22	0°45	4°54	W 6
T 7	13 25 33	23°10'46	21° 2	26°49	2°44	28°53	13°15	18°32	7°28	9°52	2°45	20° 2	21°19	0°52	4°57	T 7
F 8	13 29 29	24° 9'05	3♎ 8	27°35	3°58	29°33	13°26	18°32	7°32	9°53	2°45	19°51	21°15	0°59	5° 0	F 8
S 9	13 33 26	25° 7'21	15°24	28°25	5°11	0♒12	13°37	18°31	7°35	9°54	2°46	19°41	21°12	1° 5	5° 2	S 9
S 10	13 37 22	26° 5'35	27°50	29°18	6°25	0°52	13°48	18°31	7°39	9°55	2°47	19°32	21° 9	1°12	5° 5	S 10
M11	13 41 19	27° 3'47	10♏28	0♈14	7°38	1°31	13°59	18°30	7°42	9°55	2°47	19°24	21° 6	1°19	5° 8	M11
T 12	13 45 15	28° 1'58	23°16	1°13	8°52	2°11	14°10	18°30	7°46	9°56	2°48	19°19	21° 3	1°26	5°11	T 12
W13	13 49 12	29° 0'08	6♐16	2°16	10° 5	2°50	14°22	18°30	7°49	9°57	2°49	19°16	21° 0	1°32	5°13	W13
T 14	13 53 8	29°58'15	19°28	3°21	11°18	3°29	14°33	18°D30	7°52	9°58	2°50	19°D15	20°56	1°39	5°16	T 14
F 15	13 57 5	0♑56'21	2♉52	4°28	12°32	4° 9	14°45	18°30	7°56	9°58	2°51	19°16	20°53	1°46	5°18	F 15
S 16	14 1 2	1°54'26	16°30	5°38	13°45	4°48	14°57	18°30	7°59	9°59	2°51	19°17	20°50	1°52	5°21	S 16
S 17	14 4 58	2°52'30	0♒22	6°51	14°59	5°27	15° 8	18°30	8° 3	10° 0	2°52	19°R17	20°47	1°59	5°24	S 17
M18	14 8 55	3°50'32	14°28	8° 6	16°12	6° 6	15°20	18°31	8° 6	10° 0	2°53	19°17	20°44	2° 6	5°26	M18
T 19	14 12 51	4°48'32	28°48	9°24	17°26	6°45	15°32	18°31	8°10	10° 1	2°54	19°15	20°41	2°13	5°28	T 19
W20	14 16 48	5°46'31	13♓17	10°44	18°39	7°24	15°44	18°32	8°13	10° 2	2°55	19°11	20°37	2°19	5°31	W20
T 21	14 20 44	6°44'29	27°53	12° 6	19°53	8° 3	15°56	18°32	8°17	10° 2	2°56	19° 5	20°34	2°26	5°33	T 21
F 22	14 24 41	7°42'25	12♈29	13°31	21° 6	8°42	16° 8	18°33	8°20	10° 3	2°57	18°59	20°31	2°33	5°35	F 22
S 23	14 28 37	8°40'20	26°58	14°57	22°20	9°21	16°20	18°34	8°24	10° 3	2°58	18°53	20°28	2°39	5°38	S 23
S 24	14 32 34	9°38'14	11♉14	16°26	23°33	10° 0	16°32	18°35	8°27	10° 3	2°59	18°47	20°25	2°46	5°40	S 24
M25	14 36 31	10°36'06	25°11	17°57	24°46	10°39	16°44	18°36	8°31	10° 4	3° 0	18°44	20°21	2°53	5°42	M25
T 26	14 40 27	11°33'56	8♊46	19°30	26° 0	11°17	16°57	18°37	8°34	10° 4	3° 1	18°42	20°18	3° 0	5°44	T 26
W27	14 44 24	12°31'45	21°58	21° 6	27°13	11°56	17° 9	18°39	8°38	10° 4	3° 2	18°D41	20°15	3° 6	5°46	W27
T 28	14 48 20	13°29'33	4♋47	22°43	28°27	12°34	17°21	18°40	8°41	10° 5	3° 3	18°42	20°12	3°13	5°48	T 28
F 29	14 52 17	14°27'18	17°17	24°23	29°40	13°12	17°34	18°42	8°45	10° 5	3° 4	18°44	20° 9	3°20	5°50	F 29
S 30	14 56 13	15♑25'02	29♋30	26♈ 5	0♉54	13♒51	17♊46	18♌43	8♉48	10♒ 5	3♋ 5	18♊45	20♊ 6	3♍26	5♓52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n50	24n52	1n39	3s45	1s17	3s14	1s32	22s18	1s 5	22n 7	0s14	16n51	1n38	13n35	0s23	18s 3	0s10	21n54	1s37	23n12	23n17	15n56	4s59	5n14
S 2	7 13	24 25	2 38	3 47	1 28	2 46	1 32	22 13	1 7	22 9	0 14	16 52	1 38	13 37	0 23	18 2	0 10	21 54	1 37	23 12	23 17	15 54	4 58	5 14
S 3	7 35	22 50	3 28	3 46	1 39	2 17	1 33	22 7	1 8	22 10	0 14	16 52	1 38	13 38	0 23	18 2	0 10	21 54	1 37	23 12	23 16	15 51	4 56	5 14
M 4	7 57	20 17	4 10	3 43	1 49	1 47	1 33	22 1	1 10	22 12	0 13	16 52	1 37	13 39	0 23	18 2	0 10	21 54	1 37	23 12	23 16	15 49	4 55	5 14
T 5	8 19	16 53	4 40	3 38	1 58	1 18	1 33	21 54	1 11	22 13	0 13	16 52	1 37	13 40	0 23	18 1	0 10	21 54	1 37	23 11	23 16	15 47	4 54	5 14
W 6	8 41	12 49	4 59	3 30	2 7	0 49	1 33	21 48	1 13	22 15	0 13	16 52	1 37	13 41	0 23	18 1	0 10	21 54	1 37	23 11	23 16	15 45	4 53	5 14
T 7	9 3	8 13	5 4	3 20	2 15	0 20	1 33	21 41	1 15	22 16	0 13	16 53	1 37	13 42	0 23	18 1	0 10	21 54	1 37	23 10	23 16	15 43	4 51	5 15
F 8	9 24	3 16	4 56	3 8	2 22	0n10	1 33	21 35	1 16	22 18	0 13	16 53	1 37	13 43	0 23	18 1	0 10	21 54	1 37	23 9	23 15	15 41	4 50	5 15
S 9	9 46	1s52	4 35	2 54	2 29	0 39	1 33	21 28	1 18	22 19	0 13	16 53	1 37	13 44	0 23	18 1	0 10	21 54	1 37	23 9	23 15	15 39	4 49	5 15
S 10	10 7	7 1	4 0	2 38	2 34	1 8	1 33	21 21	1 19	22 21	0 13	16 53	1 37	13 46	0 23	18 0	0 10	21 55	1 37	23 8	23 15	15 37	4 48	5 15
M11	10 28	11 58	3 13	2 20	2 39	1 38	1 33	21 14	1 21	22 22	0 12	16 53	1 37	13 47	0 23	18 0	0 10	21 55	1 36	23 7	23 15	15 34	4 47	5 15
T 12	10 49	16 30	2 15	2 1	2 44	2 7	1 32	21 6	1 23	22 24	0 12	16 53	1 37	13 48	0 23	18 0	0 10	21 55	1 36	23 7	23 15	15 32	4 46	5 16
W13	11 10	20 19	1 9	1 39	2 48	2 36	1 32	20 59	1 25	22 25	0 12	16 53	1 37	13 49	0 23	18 0	0 10	21 55	1 36	23 7	23 14	15 30	4 44	5 16
T 14	11 31	23 9	0s 1	1 16	2 51	3 5	1 31	20 52	1 26	22 27	0 12	16 53	1 37	13 50	0 23	18 0	0 10	21 55	1 36	23 6	23 14	15 28	4 43	5 16
F 15	11 51	24 44	1 13	0 52	2 53	3 35	1 31	20 44	1 28	22 28	0 12	16 53	1 37	13 51	0 23	17 59	0 10	21 55	1 36	23 7	23 14	15 26	4 42	5 16
S 16	12 11	24 52	2 22	0 25	2 55	4 4	1 30	20 36	1 30	22 30	0 12	16 53	1 36	13 52	0 23	17 59	0 10	21 55	1 36	23 7	23 14	15 24	4 41	5 16
S 17	12 31	23 28	3 23	0n 3	2 56	4 33	1 30	20 28	1 32	22 31	0 12	16 52	1 36	13 53	0 23	17 59	0 10	21 55	1 36	23 7	23 13	15 21	4 40	5 17
M18	12 51	20 36	4 14	0 32	2 56	5 2	1 29	20 20	1 33	22 33	0 12	16 52	1 36	13 55	0 23	17 59	0 10	21 55	1 36	23 7	23 13	15 19	4 39	5 17
T 19	13 11	16 28	4 49	1 3	2 56	5 31	1 28	20 12	1 35	22 34	0 11	16 52	1 36	13 56	0 23	17 59	0 10	21 55	1 36	23 6	23 13	15 17	4 38	5 17
W20	13 30	11 19	5 7	1 35	2 55	6 0	1 28	20 4	1 37	22 35	0 11	16 52	1 36	13 57	0 23	17 59	0 10	21 55	1 36	23 6	23 13	15 15	4 37	5 17
T 21	13 50	5 30	5 5	2 8	2 54	6 28	1 27	19 55	1 39	22 37	0 11	16 51	1 36	13 58	0 23	17 58	0 10	21 55	1 35	23 6	23 13	15 13	4 36	5 17
F 22	14 9	0n36	4 43	2 43	2 52	6 57	1 26	19 47	1 41	22 38	0 11	16 51	1 36	13 59	0 23	17 58	0 10	21 55	1 35	23 5	23 12	15 10	4 35	5 18
S 23	14 27	6 39	4 4	3 19	2 49	7 25	1 25	19 38	1 42	22 40	0 11	16 51	1 36	14 0	0 23	17 58	0 10	21 55	1 35	23 5	23 12	15 8	4 34	5 18
S 24	14 46	12 16	3 9	3 56	2 46	7 53	1 24	19 30	1 44	22 41	0 11	16 50	1 36	14 1	0 23	17 58	0 10	21 56	1 35	23 4	23 12	15 6	4 33	5 18
M25	15 4	17 8	2 4	4 34	2 43	8 21	1 23	19 21	1 46	22 42	0 11	16 50	1 36	14 2	0 23	17 58	0 10	21 56	1 35	23 4	23 12	15 4	4 32	5 18
T 26	15 22	20 59	0 54	5 14	2 38	8 49	1 21	19 12	1 48	22 44	0 11	16 49	1 35	14 4	0 23	17 58	0 10	21 56	1 35	23 4	23 11	15 2	4 31	5 19
W27	15 40	23 36	0n18	5 54	2 33	9 17	1 20	19 3	1 50	22 45	0 10	16 49	1 35	14 5	0 23	17 58	0 10	21 56	1 35	23 4	23 11	14 59	4 30	5 19
T 28	15 58	24 54	1 27	6 35	2 28	9 45	1 19	18 54	1 52	22 46	0 10	16 48	1 35	14 6	0 23	17 58	0 10	21 56	1 35	23 4	23 11	14 57	4 29	5 19
F 29	16 15	24 54	2 30	7 17	2 22	10 12	1 17	18 45	1 54	22 47	0 10	16 48	1 35	14 7	0 23	17 58	0 10	21 56	1 35	23 4	23 11	14 55	4 28	5 19
S 30	16n32	23n40	3n24	8n 0	2s16	10n39	1s16	18s35	1s56	22n49	0s10	16n47	1n35	14n 8	0s23	17s58	0s10	21n56	1s35	23n 4	23n10	14n53	4s27	5n20

Julian Day Number = 2153238.5, Delta T = 13m58s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'08, Lahiri = 12°28'08 Julian Calendar 1 Apr. 1183 == Greg. Calendar 8 Apr. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

MAY 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 0 10	16♉22'44	11♌31	27♈48	2♉ 7	14♒29	17♊59	18♌45	8♉52	10♒ 5	3♋ 6	18°R46	20♊ 2	3♍33	5♓54	S 1
M 2	15 4 6	17°20'25	23°26	29°34	3°21	15° 7	18°12	18°47	8°55	10° 6	3° 7	18♊46	19°59	3°40	5°55	M 2
T 3	15 8 3	18°18'04	5♍19	1♉23	4°34	15°45	18°24	18°49	8°58	10° 6	3° 8	18°45	19°56	3°47	5°57	T 3
W 4	15 12 0	19°15'41	17°13	3°13	5°48	16°23	18°37	18°51	9° 2	10° 6	3°10	18°42	19°53	3°53	5°59	W 4
T 5	15 15 56	20°13'17	29°15	5° 5	7° 1	17° 0	18°50	18°53	9° 5	10° 6	3°11	18°38	19°50	4° 0	6° 0	T 5
F 6	15 19 53	21°10'52	11♎26	6°59	8°14	17°38	19° 3	18°55	9° 9	10°R 6	3°12	18°34	19°47	4° 7	6° 2	F 6
S 7	15 23 49	22° 8'25	23°50	8°56	9°28	18°16	19°15	18°58	9°12	10° 6	3°13	18°30	19°43	4°13	6° 4	S 7
S 8	15 27 46	23° 5'56	6♏29	10°54	10°41	18°53	19°28	19° 0	9°16	10° 6	3°14	18°26	19°40	4°20	6° 5	S 8
M 9	15 31 42	24° 3'27	19°22	12°55	11°55	19°31	19°41	19° 3	9°19	10° 6	3°16	18°23	19°37	4°27	6° 6	M 9
T 10	15 35 39	25° 0'56	2♐31	14°57	13° 8	20° 8	19°54	19° 5	9°22	10° 6	3°17	18°21	19°34	4°34	6° 8	T 10
W11	15 39 35	25°58'25	15°54	17° 1	14°22	20°45	20° 7	19° 8	9°26	10° 6	3°18	18°D20	19°31	4°40	6° 9	W11
T 12	15 43 32	26°55'52	29°29	19° 7	15°35	21°22	20°20	19°11	9°29	10° 5	3°19	18°20	19°27	4°47	6°10	T 12
F 13	15 47 29	27°53'19	13♑16	21°14	16°49	21°59	20°33	19°14	9°32	10° 5	3°21	18°21	19°24	4°54	6°12	F 13
S 14	15 51 25	28°50'45	27°13	23°23	18° 2	22°36	20°46	19°17	9°36	10° 5	3°22	18°23	19°21	5° 1	6°13	S 14
S 15	15 55 22	29°48'10	11♒17	25°32	19°16	23°12	21° 0	19°20	9°39	10° 5	3°23	18°24	19°18	5° 7	6°14	S 15
M16	15 59 18	0♊45'34	25°27	27°43	20°29	23°49	21°13	19°23	9°42	10° 4	3°25	18°R24	19°15	5°14	6°15	M16
T 17	16 3 15	1°42'57	9♓41	29°55	21°43	24°25	21°26	19°26	9°46	10° 4	3°26	18°24	19°12	5°21	6°16	T 17
W18	16 7 11	2°40'20	23°57	2♊ 6	22°56	25° 2	21°39	19°30	9°49	10° 4	3°27	18°24	19° 8	5°27	6°17	W18
T 19	16 11 8	3°37'43	8♈11	4°18	24°10	25°38	21°52	19°33	9°52	10° 3	3°29	18°22	19° 5	5°34	6°18	T 19
F 20	16 15 4	4°35'04	22°20	6°30	25°23	26°14	22° 6	19°37	9°56	10° 3	3°30	18°20	19° 2	5°41	6°19	F 20
S 21	16 19 1	5°32'26	6♉21	8°42	26°37	26°49	22°19	19°40	9°59	10° 3	3°31	18°19	18°59	5°48	6°19	S 21
S 22	16 22 58	6°29'46	20°10	10°53	27°50	27°25	22°32	19°44	10° 2	10° 2	3°33	18°17	18°56	5°54	6°20	S 22
M23	16 26 54	7°27'06	3♊44	13° 3	29° 4	28° 0	22°46	19°48	10° 5	10° 2	3°34	18°17	18°53	6° 1	6°21	M23
T 24	16 30 51	8°24'25	17° 2	15°12	0♊17	28°36	22°59	19°52	10° 8	10° 1	3°35	18°D16	18°49	6° 8	6°21	T 24
W25	16 34 47	9°21'44	0♋ 2	17°19	1°31	29°11	23°13	19°56	10°11	10° 0	3°37	18°16	18°46	6°14	6°22	W25
T 26	16 38 44	10°19'02	12°45	19°25	2°44	29°46	23°26	20° 0	10°15	10° 0	3°38	18°17	18°43	6°21	6°22	T 26
F 27	16 42 40	11°16'19	25°11	21°29	3°58	0♓20	23°39	20° 4	10°18	9°59	3°40	18°18	18°40	6°28	6°23	F 27
S 28	16 46 37	12°13'35	7♌24	23°32	5°11	0°55	23°53	20° 8	10°21	9°59	3°41	18°18	18°37	6°35	6°23	S 28
S 29	16 50 34	13°10'50	19°26	25°33	6°25	1°29	24° 6	20°12	10°24	9°58	3°43	18°19	18°33	6°41	6°24	S 29
M30	16 54 30	14° 8'05	1♍21	27°31	7°39	2° 3	24°20	20°17	10°27	9°57	3°44	18°19	18°30	6°48	6°24	M30
T 31	16 58 27	15♊ 5'19	13♍14	29♊28	8♊52	2♓37	24♊33	20♌21	10♉30	9♒56	3♋46	18°R19	18♊27	6♍55	6♓24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n49	21n23	4n 9	8n44	2s 9	11n 6	1s15	18s26	1s58	22n50	0s10	16n46	1n35	14n 9	0s23	17s58	0s10	21n56	1s35	23n 4	23n10	14n50	4s26	5n20
M 2	17 5	18 12	4 43	9 29	2 2	11 32	1 13	18 17	2 0	22 51	0 10	16 46	1 35	14 10	0 23	17 58	0 10	21 56	1 35	23 4	23 10	14 48	4 25	5 20
T 3	17 21	14 19	5 4	10 14	1 54	11 59	1 12	18 7	2 2	22 52	0 10	16 45	1 35	14 11	0 23	17 58	0 10	21 56	1 34	23 4	23 10	14 46	4 24	5 20
W 4	17 37	9 51	5 12	10 59	1 45	12 25	1 10	17 58	2 4	22 54	0 10	16 44	1 35	14 13	0 23	17 58	0 10	21 56	1 34	23 4	23 9	14 44	4 23	5 21
T 5	17 53	5 0	5 7	11 45	1 37	12 50	1 8	17 48	2 6	22 55	0 10	16 44	1 35	14 14	0 23	17 58	0 10	21 56	1 34	23 3	23 9	14 41	4 23	5 21
F 6	18 8	0s 8	4 48	12 32	1 28	13 16	1 7	17 38	2 8	22 56	0 9	16 43	1 35	14 15	0 23	17 58	0 10	21 56	1 34	23 3	23 9	14 39	4 22	5 21
S 7	18 23	5 20	4 15	13 18	1 18	13 41	1 5	17 29	2 10	22 57	0 9	16 42	1 34	14 16	0 23	17 58	0 10	21 56	1 34	23 3	23 9	14 37	4 21	5 21
S 8	18 38	10 26	3 30	14 5	1 8	14 6	1 3	17 19	2 12	22 58	0 9	16 41	1 34	14 17	0 23	17 58	0 11	21 56	1 34	23 2	23 8	14 35	4 20	5 22
M 9	18 52	15 12	2 32	14 51	0 58	14 30	1 1	17 9	2 14	22 59	0 9	16 40	1 34	14 18	0 23	17 58	0 11	21 56	1 34	23 2	23 8	14 32	4 19	5 22
T 10	19 6	19 21	1 26	15 38	0 48	14 54	1 0	16 59	2 16	23 1	0 9	16 39	1 34	14 19	0 23	17 58	0 11	21 56	1 34	23 2	23 8	14 30	4 19	5 22
W11	19 20	22 34	0 13	16 23	0 38	15 18	0 58	16 49	2 18	23 2	0 9	16 38	1 34	14 20	0 23	17 58	0 11	21 57	1 34	23 2	23 8	14 28	4 18	5 22
T 12	19 34	24 34	1s 1	17 9	0 27	15 42	0 56	16 39	2 20	23 3	0 9	16 37	1 34	14 21	0 23	17 58	0 11	21 57	1 34	23 2	23 7	14 25	4 17	5 23
F 13	19 47	25 5	2 13	17 53	0 16	16 5	0 54	16 29	2 22	23 4	0 9	16 36	1 34	14 22	0 23	17 58	0 11	21 57	1 34	23 2	23 7	14 23	4 17	5 23
S 14	19 59	24 3	3 18	18 37	0 6	16 27	0 52	16 19	2 24	23 5	0 9	16 35	1 34	14 23	0 23	17 58	0 11	21 57	1 34	23 2	23 7	14 21	4 16	5 23
S 15	20 12	21 30	4 12	19 19	0n 5	16 49	0 50	16 9	2 26	23 6	0 8	16 34	1 34	14 24	0 23	17 58	0 11	21 57	1 33	23 2	23 7	14 19	4 15	5 23
M16	20 24	17 39	4 51	20 0	0 16	17 11	0 48	15 59	2 29	23 7	0 8	16 33	1 34	14 26	0 23	17 58	0 11	21 57	1 33	23 2	23 6	14 16	4 15	5 24
T 17	20 36	12 47	5 12	20 39	0 26	17 32	0 45	15 48	2 31	23 8	0 8	16 32	1 34	14 27	0 23	17 58	0 11	21 57	1 33	23 2	23 6	14 14	4 14	5 24
W18	20 47	7 13	5 14	21 16	0 36	17 53	0 43	15 38	2 33	23 9	0 8	16 31	1 33	14 28	0 23	17 58	0 11	21 57	1 33	23 2	23 6	14 12	4 13	5 24
T 19	20 58	1 17	4 57	21 51	0 46	18 14	0 41	15 28	2 35	23 10	0 8	16 30	1 33	14 29	0 23	17 59	0 11	21 57	1 33	23 2	23 6	14 9	4 13	5 24
F 20	21 9	4n41	4 22	22 24	0 55	18 34	0 39	15 18	2 37	23 11	0 8	16 29	1 33	14 30	0 23	17 59	0 11	21 57	1 33	23 2	23 5	14 7	4 12	5 25
S 21	21 19	10 22	3 31	22 54	1 4	18 53	0 37	15 7	2 40	23 11	0 8	16 27	1 33	14 31	0 23	17 59	0 11	21 57	1 33	23 2	23 5	14 5	4 12	5 25
S 22	21 29	15 28	2 29	23 22	1 12	19 12	0 35	14 57	2 42	23 12	0 8	16 26	1 33	14 32	0 23	17 59	0 11	21 57	1 33	23 2	23 5	14 2	4 11	5 25
M23	21 39	19 41	1 20	23 47	1 20	19 31	0 32	14 47	2 44	23 13	0 8	16 25	1 33	14 33	0 23	17 59	0 11	21 57	1 33	23 2	23 5	14 0	4 11	5 26
T 24	21 48	22 48	0 7	24 10	1 27	19 49	0 30	14 37	2 46	23 14	0 8	16 24	1 33	14 34	0 23	17 59	0 11	21 57	1 33	23 2	23 4	13 58	4 10	5 26
W25	21 57	24 37	1n 5	24 30	1 34	20 6	0 28	14 26	2 49	23 15	0 7	16 22	1 33	14 35	0 23	17 59	0 11	21 57	1 33	23 2	23 4	13 55	4 10	5 26
T 26	22 6	25 7	2 11	24 47	1 40	20 23	0 25	14 16	2 51	23 16	0 7	16 21	1 33	14 36	0 23	18 0	0 11	21 57	1 33	23 2	23 4	13 53	4 9	5 26
F 27	22 14	24 19	3 10	25 1	1 45	20 39	0 23	14 6	2 53	23 16	0 7	16 19	1 33	14 37	0 23	18 0	0 11	21 57	1 33	23 2	23 4	13 51	4 9	5 27
S 28	22 22	22 22	4 0	25 12	1 49	20 55	0 21	13 56	2 55	23 17	0 7	16 18	1 33	14 38	0 23	18 0	0 11	21 57	1 32	23 2	23 3	13 48	4 9	5 27
S 29	22 29	19 27	4 38	25 21	1 53	21 10	0 18	13 46	2 58	23 18	0 7	16 17	1 33	14 39	0 23	18 0	0 11	21 57	1 32	23 2	23 3	13 46	4 8	5 27
M30	22 36	15 45	5 3	25 27	1 56	21 25	0 16	13 35	3 0	23 19	0 7	16 15	1 32	14 40	0 23	18 0	0 11	21 57	1 32	23 2	23 3	13 44	4 8	5 28
T 31	22n42	11n28	5n16	25n31	1n58	21n39	0s14	13s25	3s 2	23n19	0s 7	16n14	1n32	14n40	0s23	18s 1	0s11	21n57	1s32	23n 2	23n 2	13n41	4s 7	5n28

Julian Day Number = 2153268.5, Delta T = 13m58s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'12, Lahiri = 12°28'12 Julian Calendar 1 May 1183 == Greg. Calendar 8 May 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

JUNE 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 2 23	16♊ 2'32	25♍10	1♋22	10♊ 6	3♓11	24♊47	20♌26	10♉33	9°R56	3♋47	18°R19	18♊24	7♍ 2	6♓24	W 1
T 2	17 6 20	16°59'44	7♎12	3°14	11°19	3°44	25° 0	20°30	10°36	9♒55	3°49	18♊19	18°21	7° 8	6°24	T 2
F 3	17 10 16	17°56'56	19°26	5° 4	12°33	4°17	25°14	20°35	10°39	9°54	3°50	18°D19	18°18	7°15	6°R24	F 3
S 4	17 14 13	18°54'07	1♏54	6°51	13°46	4°50	25°28	20°40	10°42	9°53	3°52	18°19	18°14	7°22	6°24	S 4
S 5	17 18 9	19°51'17	14°40	8°37	15° 0	5°23	25°41	20°45	10°45	9°52	3°53	18°19	18°11	7°28	6°24	S 5
M 6	17 22 6	20°48'27	27°46	10°20	16°14	5°56	25°55	20°50	10°47	9°51	3°55	18°19	18° 8	7°35	6°24	M 6
T 7	17 26 3	21°45'37	11♐11	12° 1	17°27	6°28	26° 8	20°55	10°50	9°50	3°56	18°20	18° 5	7°42	6°24	T 7
W 8	17 29 59	22°42'47	24°56	13°39	18°41	7° 0	26°22	21° 0	10°53	9°49	3°58	18°R20	18° 2	7°49	6°24	W 8
T 9	17 33 56	23°39'56	8♑58	15°15	19°55	7°32	26°35	21° 5	10°56	9°48	3°59	18°19	17°59	7°55	6°23	T 9
F 10	17 37 52	24°37'05	23°12	16°49	21° 8	8° 3	26°49	21°10	10°59	9°47	4° 1	18°19	17°55	8° 2	6°23	F 10
S 11	17 41 49	25°34'14	7♒35	18°21	22°22	8°34	27° 3	21°15	11° 1	9°46	4° 2	18°18	17°52	8° 9	6°23	S 11
S 12	17 45 45	26°31'23	22° 1	19°50	23°36	9° 5	27°16	21°21	11° 4	9°45	4° 4	18°17	17°49	8°15	6°22	S 12
M13	17 49 42	27°28'33	6♓26	21°17	24°49	9°36	27°30	21°26	11° 7	9°44	4° 5	18°17	17°46	8°22	6°22	M13
T 14	17 53 38	28°25'42	20°45	22°41	26° 3	10° 6	27°43	21°31	11° 9	9°43	4° 7	18°16	17°43	8°29	6°21	T 14
W15	17 57 35	29°22'52	4♈56	24° 3	27°17	10°36	27°57	21°37	11°12	9°42	4° 8	18°D16	17°39	8°36	6°20	W15
T 16	18 1 32	0♋20'02	18°57	25°23	28°30	11° 6	28°11	21°43	11°14	9°41	4°10	18°16	17°36	8°42	6°20	T 16
F 17	18 5 28	1°17'13	2♉46	26°40	29°44	11°36	28°24	21°48	11°17	9°40	4°11	18°17	17°33	8°49	6°19	F 17
S 18	18 9 25	2°14'24	16°22	27°55	0♋58	12° 5	28°38	21°54	11°19	9°39	4°13	18°18	17°30	8°56	6°18	S 18
S 19	18 13 21	3°11'35	29°45	29° 7	2°12	12°33	28°51	22° 0	11°22	9°37	4°14	18°19	17°27	9° 3	6°17	S 19
M20	18 17 18	4° 8'47	12♊54	0♌16	3°25	13° 2	29° 5	22° 6	11°24	9°36	4°16	18°R20	17°24	9° 9	6°16	M20
T 21	18 21 14	5° 5'58	25°50	1°22	4°39	13°30	29°18	22°11	11°27	9°35	4°18	18°20	17°20	9°16	6°15	T 21
W22	18 25 11	6° 3'11	8♋33	2°26	5°53	13°57	29°32	22°17	11°29	9°34	4°19	18°19	17°17	9°23	6°14	W22
T 23	18 29 7	7° 0'23	21° 4	3°27	7° 7	14°24	29°45	22°23	11°31	9°32	4°21	18°17	17°14	9°29	6°13	T 23
F 24	18 33 4	7°57'36	3♌22	4°25	8°21	14°51	29°59	22°29	11°34	9°31	4°22	18°15	17°11	9°36	6°12	F 24
S 25	18 37 1	8°54'48	15°30	5°19	9°34	15°18	0♋12	22°36	11°36	9°30	4°24	18°11	17° 8	9°43	6°11	S 25
S 26	18 40 57	9°52'01	27°30	6°10	10°48	15°44	0°26	22°42	11°38	9°28	4°25	18° 8	17° 5	9°50	6°10	S 26
M27	18 44 54	10°49'14	9♍24	6°58	12° 2	16° 9	0°39	22°48	11°40	9°27	4°27	18° 5	17° 1	9°56	6° 8	M27
T 28	18 48 50	11°46'27	21°16	7°43	13°16	16°34	0°53	22°54	11°42	9°25	4°28	18° 3	16°58	10° 3	6° 7	T 28
W29	18 52 47	12°43'41	3♎11	8°24	14°30	16°59	1° 6	23° 1	11°44	9°24	4°30	18° 1	16°55	10°10	6° 6	W29
T 30	18 56 43	13♋40'54	15♎11	9♌ 1	15♋44	17♓23	1♋20	23♌ 7	11♉47	9♒23	4♋31	18°D 1	16♊52	10♍16	6♓ 4	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n49	6n44	5n15	25n32	2n 0	21n53	0s11	13s15	3s 5	23n20	0s 7	16n12	1n32	14n41	0s23	18s 1	0s11	21n57	1s32	23n 2	23n 2	13n39	4s 7	5n28
T 2	22 54	1 43	5 0	25 31	2 0	22 5	0 9	13 5	3 7	23 20	0 7	16 11	1 32	14 42	0 23	18 1	0 11	21 57	1 32	23 2	23 2	13 36	4 7	5 28
F 3	23 0	3s27	4 31	25 27	2 0	22 18	0 7	12 55	3 10	23 21	0 6	16 9	1 32	14 43	0 23	18 1	0 11	21 57	1 32	23 2	23 2	13 34	4 7	5 29
S 4	23 5	8 35	3 50	25 22	2 0	22 29	0 4	12 45	3 12	23 22	0 6	16 7	1 32	14 44	0 23	18 2	0 11	21 57	1 32	23 2	23 1	13 32	4 6	5 29
S 5	23 9	13 30	2 56	25 14	1 58	22 40	0 2	12 35	3 14	23 22	0 6	16 6	1 32	14 45	0 23	18 2	0 11	21 57	1 32	23 2	23 1	13 29	4 6	5 29
M 6	23 14	17 56	1 52	25 5	1 56	22 50	0n 1	12 25	3 17	23 23	0 6	16 4	1 32	14 46	0 23	18 2	0 11	21 57	1 32	23 2	23 1	13 27	4 6	5 29
T 7	23 17	21 34	0 39	24 53	1 54	23 0	0 3	12 16	3 19	23 23	0 6	16 2	1 32	14 47	0 23	18 2	0 11	21 57	1 32	23 2	23 1	13 25	4 6	5 30
W 8	23 21	24 3	0s37	24 40	1 50	23 9	0 5	12 6	3 22	23 24	0 6	16 1	1 32	14 48	0 23	18 3	0 11	21 58	1 32	23 2	23 0	13 22	4 6	5 30
T 9	23 24	25 6	1 52	24 26	1 46	23 17	0 8	11 56	3 24	23 24	0 6	15 59	1 32	14 49	0 23	18 3	0 11	21 58	1 32	23 2	23 0	13 20	4 5	5 30
F 10	23 26	24 31	3 1	24 10	1 42	23 25	0 10	11 47	3 27	23 25	0 6	15 57	1 32	14 49	0 23	18 3	0 11	21 58	1 32	23 2	23 0	13 17	4 5	5 30
S 11	23 28	22 19	4 0	23 53	1 37	23 32	0 12	11 37	3 29	23 25	0 6	15 55	1 32	14 50	0 23	18 3	0 11	21 58	1 31	23 2	22 59	13 15	4 5	5 31
S 12	23 30	18 42	4 44	23 34	1 31	23 38	0 15	11 28	3 32	23 25	0 6	15 54	1 32	14 51	0 23	18 4	0 11	21 58	1 31	23 2	22 59	13 12	4 5	5 31
M13	23 31	13 59	5 10	23 15	1 24	23 44	0 17	11 18	3 34	23 26	0 6	15 52	1 32	14 52	0 23	18 4	0 11	21 58	1 31	23 2	22 59	13 10	4 5	5 31
T 14	23 32	8 31	5 16	22 54	1 17	23 49	0 19	11 9	3 37	23 26	0 5	15 50	1 31	14 53	0 23	18 4	0 11	21 58	1 31	23 2	22 58	13 8	4 5	5 32
W15	23 33	2 40	5 3	22 33	1 10	23 53	0 22	11 0	3 39	23 26	0 5	15 48	1 31	14 54	0 23	18 5	0 11	21 58	1 31	23 1	22 58	13 5	4 5	5 32
T 16	23 33	3n15	4 32	22 10	1 2	23 56	0 24	10 51	3 42	23 27	0 5	15 46	1 31	14 54	0 23	18 5	0 11	21 58	1 31	23 2	22 58	13 3	4 5	5 32
F 17	23 32	8 57	3 46	21 47	0 54	23 59	0 26	10 42	3 44	23 27	0 5	15 44	1 31	14 55	0 23	18 5	0 11	21 58	1 31	23 2	22 58	13 0	4 5	5 32
S 18	23 32	14 8	2 48	21 24	0 45	24 1	0 29	10 33	3 47	23 27	0 5	15 43	1 31	14 56	0 23	18 6	0 11	21 58	1 31	23 2	22 57	12 58	4 5	5 33
S 19	23 30	18 33	1 41	21 0	0 35	24 2	0 31	10 24	3 49	23 28	0 5	15 41	1 31	14 57	0 23	18 6	0 11	21 58	1 31	23 2	22 57	12 55	4 5	5 33
M20	23 29	21 57	0 30	20 36	0 25	24 3	0 33	10 16	3 52	23 28	0 5	15 39	1 31	14 57	0 23	18 6	0 11	21 58	1 31	23 2	22 57	12 53	4 5	5 33
T 21	23 27	24 10	0n41	20 11	0 15	24 3	0 35	10 7	3 54	23 28	0 5	15 37	1 31	14 58	0 23	18 7	0 11	21 58	1 31	23 2	22 56	12 51	4 5	5 33
W22	23 24	25 5	1 49	19 46	0 4	24 2	0 37	9 59	3 57	23 28	0 5	15 35	1 31	14 59	0 23	18 7	0 11	21 58	1 31	23 2	22 56	12 48	4 6	5 34
T 23	23 22	24 42	2 51	19 21	0s 7	24 1	0 39	9 51	3 59	23 28	0 5	15 33	1 31	15 0	0 23	18 7	0 11	21 58	1 31	23 2	22 56	12 46	4 6	5 34
F 24	23 18	23 6	3 43	18 56	0 19	23 58	0 42	9 42	4 2	23 28	0 4	15 31	1 31	15 0	0 23	18 8	0 11	21 58	1 31	23 1	22 55	12 43	4 6	5 34
S 25	23 15	20 28	4 25	18 32	0 31	23 55	0 44	9 35	4 5	23 28	0 4	15 29	1 31	15 1	0 23	18 8	0 11	21 58	1 31	23 1	22 55	12 41	4 6	5 34
S 26	23 11	16 59	4 54	18 7	0 43	23 52	0 46	9 27	4 7	23 28	0 4	15 27	1 31	15 2	0 23	18 9	0 11	21 58	1 31	23 1	22 55	12 38	4 6	5 35
M27	23 6	12 52	5 10	17 43	0 56	23 47	0 48	9 19	4 10	23 29	0 4	15 24	1 31	15 2	0 23	18 9	0 11	21 58	1 31	23 1	22 55	12 36	4 7	5 35
T 28	23 1	8 16	5 13	17 19	1 9	23 42	0 50	9 12	4 12	23 29	0 4	15 22	1 31	15 3	0 23	18 9	0 11	21 58	1 30	23 0	22 54	12 33	4 7	5 35
W29	22 56	3 22	5 3	16 56	1 22	23 36	0 51	9 4	4 15	23 29	0 4	15 20	1 31	15 4	0 23	18 10	0 11	21 58	1 30	23 0	22 54	12 31	4 7	5 35
T 30	22n50	1s43	4n39	16n33	1s35	23n30	0n53	8s57	4s18	23n29	0s 4	15n18	1n31	15n 4	0s23	18s10	0s11	21n58	1s30	23n 0	22n54	12n28	4s 8	5n35

Julian Day Number = 2153299.5, Delta T = 13m58s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'16, Lahiri = 12°28'16 Julian Calendar 1 June 1183 == Greg. Calendar 8 June 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

JULY 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 0 40	14♋38'08	27♎23	9♌34	16♋58	17♓47	1♋33	23♌13	11♉49	9°R21	4♋33	18♊ 1	16♊49	10♍23	6°R 3	F 1
S 2	19 4 36	15°35'22	9♏50	10° 3	18°11	18°10	1°47	23°20	11°50	9♒20	4°34	18° 3	16°45	10°30	6♓ 1	S 2
S 3	19 8 33	16°32'37	22°37	10°27	19°25	18°33	2° 0	23°26	11°52	9°18	4°36	18° 4	16°42	10°37	6° 0	S 3
M 4	19 12 30	17°29'52	5♐48	10°47	20°39	18°55	2°13	23°33	11°54	9°17	4°37	18° 6	16°39	10°43	5°58	M 4
T 5	19 16 26	18°27'07	19°23	11° 3	21°53	19°17	2°26	23°40	11°56	9°15	4°39	18°R 6	16°36	10°50	5°56	T 5
W 6	19 20 23	19°24'23	3♑22	11°14	23° 7	19°38	2°40	23°46	11°58	9°14	4°40	18° 5	16°33	10°57	5°55	W 6
T 7	19 24 19	20°21'40	17°44	11°20	24°21	19°59	2°53	23°53	12° 0	9°12	4°42	18° 3	16°30	11° 4	5°53	T 7
F 8	19 28 16	21°18'57	2♒24	11°R21	25°35	20°19	3° 6	24° 0	12° 1	9°11	4°43	17°59	16°26	11°10	5°51	F 8
S 9	19 32 12	22°16'15	17°13	11°17	26°49	20°39	3°19	24° 6	12° 3	9° 9	4°45	17°55	16°23	11°17	5°49	S 9
S 10	19 36 9	23°13'34	2♓ 5	11° 7	28° 3	20°58	3°33	24°13	12° 5	9° 8	4°46	17°50	16°20	11°24	5°47	S 10
M11	19 40 6	24°10'53	16°51	10°53	29°17	21°16	3°46	24°20	12° 6	9° 6	4°48	17°45	16°17	11°30	5°45	M11
T 12	19 44 2	25° 8'14	1♈25	10°34	0♌31	21°34	3°59	24°27	12° 8	9° 5	4°49	17°42	16°14	11°37	5°44	T 12
W13	19 47 59	26° 5'36	15°42	10°10	1°45	21°51	4°12	24°34	12° 9	9° 3	4°51	17°40	16°11	11°44	5°42	W13
T 14	19 51 55	27° 3'00	29°40	9°41	2°59	22° 8	4°25	24°41	12°11	9° 1	4°52	17°D39	16° 7	11°51	5°39	T 14
F 15	19 55 52	28° 0'24	13♉19	9° 8	4°13	22°24	4°38	24°48	12°12	9° 0	4°54	17°40	16° 4	11°57	5°37	F 15
S 16	19 59 48	28°57'50	26°38	8°31	5°27	22°39	4°51	24°55	12°13	8°58	4°55	17°41	16° 1	12° 4	5°35	S 16
S 17	20 3 45	29°55'17	9♊42	7°50	6°41	22°54	5° 4	25° 2	12°15	8°57	4°57	17°43	15°58	12°11	5°33	S 17
M18	20 7 41	0♌52'46	22°31	7° 7	7°55	23° 8	5°17	25° 9	12°16	8°55	4°58	17°R43	15°55	12°18	5°31	M18
T 19	20 11 38	1°50'15	5♋ 7	6°21	9° 9	23°21	5°29	25°16	12°17	8°53	4°59	17°41	15°51	12°24	5°29	T 19
W20	20 15 35	2°47'46	17°33	5°34	10°23	23°33	5°42	25°23	12°18	8°52	5° 1	17°38	15°48	12°31	5°26	W20
T 21	20 19 31	3°45'18	29°50	4°46	11°37	23°45	5°55	25°31	12°20	8°50	5° 2	17°32	15°45	12°38	5°24	T 21
F 22	20 23 28	4°42'51	11♌58	3°59	12°51	23°56	6° 8	25°38	12°21	8°48	5° 4	17°24	15°42	12°44	5°22	F 22
S 23	20 27 24	5°40'25	23°59	3°12	14° 5	24° 6	6°20	25°45	12°22	8°47	5° 5	17°16	15°39	12°51	5°19	S 23
S 24	20 31 21	6°38'01	5♍55	2°28	15°19	24°16	6°33	25°52	12°23	8°45	5° 6	17° 6	15°36	12°58	5°17	S 24
M25	20 35 17	7°35'37	17°47	1°46	16°34	24°25	6°45	26° 0	12°24	8°44	5° 8	16°57	15°32	13° 5	5°14	M25
T 26	20 39 14	8°33'14	29°38	1° 9	17°48	24°33	6°58	26° 7	12°24	8°42	5° 9	16°50	15°29	13°11	5°12	T 26
W27	20 43 10	9°30'53	11♎31	0°36	19° 2	24°40	7°10	26°14	12°25	8°40	5°10	16°44	15°26	13°18	5° 9	W27
T 28	20 47 7	10°28'33	23°30	0° 8	20°16	24°46	7°23	26°22	12°26	8°39	5°12	16°40	15°23	13°25	5° 7	T 28
F 29	20 51 3	11°26'13	5♏39	29♋46	21°30	24°52	7°35	26°29	12°27	8°37	5°13	16°39	15°20	13°31	5° 4	F 29
S 30	20 55 0	12°23'55	18° 2	29°31	22°44	24°56	7°47	26°36	12°27	8°35	5°14	16°D39	15°16	13°38	5° 2	S 30
S 31	20 58 57	13♌21'38	0♐45	29♋23	23♌58	25♓ 0	7♋59	26♌44	12♉28	8♒34	5♋15	16♊39	15♊13	13♍45	4♓59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n44	6s49	4n 3	16n12	1s49	23n23	0n55	8s50	4s20	23n28	0s 4	15n16	1n31	15n 5	0s23	18s11	0s11	21n58	1s30	23n 0	22n53	12n26	4s 8	5n36
S 2	22 38	11 45	3 14	15 51	2 2	23 15	0 57	8 44	4 23	23 28	0 4	15 14	1 31	15 5	0 23	18 11	0 11	21 58	1 30	23 0	22 53	12 23	4 8	5 36
S 3	22 31	16 20	2 15	15 31	2 16	23 6	0 59	8 37	4 25	23 28	0 4	15 12	1 31	15 6	0 23	18 11	0 11	21 58	1 30	23 0	22 53	12 21	4 9	5 36
M 4	22 24	20 16	1 7	15 12	2 30	22 57	1 0	8 31	4 28	23 28	0 3	15 9	1 31	15 7	0 23	18 12	0 11	21 58	1 30	23 1	22 52	12 18	4 9	5 36
T 5	22 16	23 14	0s 7	14 55	2 43	22 47	1 2	8 24	4 31	23 28	0 3	15 7	1 31	15 7	0 23	18 12	0 11	21 58	1 30	23 1	22 52	12 16	4 9	5 37
W 6	22 8	24 53	1 23	14 39	2 57	22 36	1 4	8 18	4 33	23 28	0 3	15 5	1 31	15 8	0 23	18 13	0 11	21 58	1 30	23 1	22 52	12 13	4 10	5 37
T 7	22 0	24 55	2 35	14 24	3 10	22 25	1 5	8 12	4 36	23 28	0 3	15 3	1 31	15 8	0 23	18 13	0 11	21 58	1 30	23 0	22 51	12 11	4 10	5 37
F 8	21 51	23 15	3 38	14 11	3 23	22 13	1 7	8 7	4 38	23 27	0 3	15 0	1 31	15 9	0 23	18 13	0 11	21 58	1 30	23 0	22 51	12 8	4 11	5 37
S 9	21 42	19 59	4 28	14 0	3 36	22 0	1 8	8 1	4 41	23 27	0 3	14 58	1 31	15 9	0 23	18 14	0 12	21 58	1 30	23 0	22 51	12 6	4 11	5 37
S 10	21 32	15 25	4 59	13 51	3 48	21 47	1 10	7 56	4 44	23 27	0 3	14 56	1 31	15 10	0 23	18 14	0 12	21 58	1 30	22 59	22 50	12 3	4 12	5 37
M11	21 22	9 58	5 11	13 44	4 0	21 33	1 11	7 51	4 46	23 27	0 3	14 54	1 31	15 10	0 23	18 15	0 12	21 58	1 30	22 59	22 50	12 1	4 12	5 38
T 12	21 12	4 3	5 2	13 39	4 10	21 19	1 12	7 46	4 49	23 26	0 3	14 51	1 31	15 11	0 23	18 15	0 12	21 58	1 30	22 58	22 50	11 58	4 13	5 38
W13	21 1	1n59	4 34	13 36	4 20	21 3	1 14	7 42	4 51	23 26	0 3	14 49	1 31	15 11	0 23	18 16	0 12	21 58	1 30	22 58	22 49	11 56	4 13	5 38
T 14	20 50	7 48	3 51	13 35	4 29	20 48	1 15	7 38	4 54	23 26	0 2	14 47	1 31	15 11	0 23	18 16	0 12	21 58	1 30	22 58	22 49	11 53	4 14	5 38
F 15	20 39	13 7	2 56	13 37	4 36	20 31	1 16	7 33	4 56	23 25	0 2	14 44	1 31	15 12	0 23	18 16	0 12	21 58	1 30	22 58	22 49	11 51	4 15	5 38
S 16	20 27	17 41	1 52	13 40	4 42	20 14	1 17	7 30	4 59	23 25	0 2	14 42	1 31	15 12	0 23	18 17	0 12	21 58	1 30	22 58	22 48	11 48	4 15	5 39
S 17	20 15	21 17	0 43	13 46	4 47	19 57	1 18	7 26	5 1	23 25	0 2	14 39	1 31	15 13	0 23	18 17	0 12	21 58	1 30	22 58	22 48	11 46	4 16	5 39
M18	20 3	23 46	0n26	13 54	4 50	19 39	1 19	7 23	5 3	23 24	0 2	14 37	1 31	15 13	0 23	18 18	0 12	21 58	1 30	22 59	22 48	11 43	4 17	5 39
T 19	19 50	24 59	1 33	14 4	4 51	19 20	1 20	7 20	5 6	23 24	0 2	14 35	1 31	15 13	0 23	18 18	0 12	21 58	1 29	22 58	22 47	11 40	4 17	5 39
W20	19 37	24 56	2 34	14 16	4 50	19 1	1 21	7 17	5 8	23 23	0 2	14 32	1 31	15 14	0 23	18 19	0 12	21 58	1 29	22 58	22 47	11 38	4 18	5 39
T 21	19 24	23 39	3 27	14 30	4 48	18 41	1 22	7 14	5 11	23 23	0 2	14 30	1 31	15 14	0 23	18 19	0 12	21 58	1 29	22 58	22 47	11 35	4 19	5 39
F 22	19 10	21 17	4 10	14 45	4 44	18 21	1 23	7 12	5 13	23 23	0 2	14 27	1 31	15 14	0 23	18 20	0 12	21 58	1 29	22 57	22 46	11 33	4 19	5 39
S 23	18 56	18 0	4 42	15 2	4 37	18 0	1 23	7 10	5 15	23 22	0 2	14 25	1 31	15 15	0 23	18 20	0 12	21 58	1 29	22 56	22 46	11 30	4 20	5 40
S 24	18 42	14 2	5 0	15 19	4 30	17 39	1 24	7 8	5 17	23 22	0 1	14 22	1 31	15 15	0 23	18 20	0 12	21 58	1 29	22 55	22 46	11 28	4 21	5 40
M25	18 27	9 32	5 6	15 38	4 20	17 17	1 24	7 7	5 20	23 21	0 1	14 20	1 31	15 15	0 23	18 21	0 12	21 58	1 29	22 54	22 45	11 25	4 22	5 40
T 26	18 12	4 42	4 59	15 57	4 9	16 55	1 25	7 6	5 22	23 20	0 1	14 17	1 31	15 16	0 23	18 21	0 12	21 58	1 29	22 53	22 45	11 22	4 22	5 40
W27	17 57	0s19	4 38	16 16	3 56	16 32	1 25	7 5	5 24	23 20	0 1	14 15	1 31	15 16	0 23	18 22	0 12	21 58	1 29	22 53	22 45	11 20	4 23	5 40
T 28	17 41	5 22	4 6	16 35	3 43	16 9	1 26	7 4	5 26	23 19	0 1	14 12	1 31	15 16	0 23	18 22	0 12	21 58	1 29	22 52	22 44	11 17	4 24	5 40
F 29	17 26	10 18	3 21	16 54	3 28	15 45	1 26	7 4	5 28	23 19	0 1	14 10	1 31	15 16	0 23	18 23	0 12	21 58	1 29	22 52	22 44	11 15	4 25	5 40
S 30	17 9	14 56	2 27	17 13	3 12	15 21	1 26	7 4	5 30	23 18	0 1	14 7	1 31	15 16	0 23	18 23	0 12	21 58	1 29	22 52	22 44	11 12	4 26	5 40
S 31	16n53	19s 2	1n24	17n31	2s55	14n57	1n27	7s 4	5s32	23n17	0s 1	14n 5	1n31	15n17	0s23	18s23	0s12	21n58	1s29	22n52	22n43	11n10	4s27	5n40

Julian Day Number = 2153329.5, Delta T = 13m57s
Ecliptic obliquity = 23°32'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'20, Lahiri = 12°28'21 Julian Calendar 1 July 1183 == Greg. Calendar 8 July 1183

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1183
geocentric

AUGUST 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 2 53	14♌19'22	13♐52	29°D22	25♌12	25♓ 4	8♋12	26♌51	12♉29	8°R32	5♋17	16°R40	15♊10	13♍52	4°R56	M 1
T 2	21 6 50	15°17'07	27°27	29♋28	26°27	25° 6	8°24	26°59	12°29	8♒31	5°18	16♊40	15° 7	13°58	4♓54	T 2
W 3	21 10 46	16°14'54	11♑30	29°42	27°41	25° 7	8°36	27° 6	12°30	8°29	5°19	16°37	15° 4	14° 5	4°51	W 3
T 4	21 14 43	17°12'42	26° 1	0♌ 4	28°55	25°R 8	8°48	27°14	12°30	8°27	5°20	16°32	15° 1	14°12	4°48	T 4
F 5	21 18 39	18°10'31	10♒54	0°33	0♍ 9	25° 8	9° 0	27°21	12°30	8°26	5°22	16°25	14°57	14°19	4°46	F 5
S 6	21 22 36	19° 8'22	26° 3	1°10	1°23	25° 7	9°11	27°28	12°31	8°24	5°23	16°17	14°54	14°25	4°43	S 6
S 7	21 26 33	20° 6'14	11♓16	1°55	2°37	25° 5	9°23	27°36	12°31	8°22	5°24	16° 8	14°51	14°32	4°40	S 7
M 8	21 30 29	21° 4'07	26°24	2°47	3°52	25° 2	9°35	27°43	12°31	8°21	5°25	15°59	14°48	14°39	4°37	M 8
T 9	21 34 26	22° 2'03	11♈16	3°46	5° 6	24°58	9°47	27°51	12°31	8°19	5°26	15°51	14°45	14°45	4°35	T 9
W10	21 38 22	23° 0'00	25°45	4°52	6°20	24°54	9°58	27°59	12°32	8°18	5°27	15°46	14°42	14°52	4°32	W10
T 11	21 42 19	23°58'00	9♉50	6° 4	7°34	24°49	10°10	28° 6	12°32	8°16	5°28	15°44	14°38	14°59	4°29	T 11
F 12	21 46 15	24°56'01	23°28	7°22	8°48	24°43	10°21	28°14	12°R32	8°15	5°30	15°D43	14°35	15° 6	4°26	F 12
S 13	21 50 12	25°54'04	6♊43	8°46	10° 2	24°36	10°32	28°21	12°32	8°13	5°31	15°43	14°32	15°12	4°23	S 13
S 14	21 54 8	26°52'10	19°36	10°15	11°17	24°28	10°44	28°29	12°32	8°12	5°32	15°R43	14°29	15°19	4°20	S 14
M15	21 58 5	27°50'17	2♋13	11°49	12°31	24°19	10°55	28°36	12°31	8°10	5°33	15°42	14°26	15°26	4°17	M15
T 16	22 2 2	28°48'27	14°36	13°26	13°45	24°10	11° 6	28°44	12°31	8° 8	5°34	15°39	14°22	15°33	4°15	T 16
W17	22 5 58	29°46'38	26°48	15° 8	14°59	24° 0	11°17	28°51	12°31	8° 7	5°35	15°33	14°19	15°39	4°12	W17
T 18	22 9 55	0♍44'51	8♌53	16°52	16°13	23°49	11°28	28°59	12°31	8° 6	5°36	15°24	14°16	15°46	4° 9	T 18
F 19	22 13 51	1°43'06	20°53	18°39	17°28	23°38	11°39	29° 6	12°30	8° 4	5°37	15°12	14°13	15°53	4° 6	F 19
S 20	22 17 48	2°41'23	2♍48	20°28	18°42	23°26	11°49	29°14	12°30	8° 3	5°38	14°59	14°10	15°59	4° 3	S 20
S 21	22 21 44	3°39'41	14°41	22°19	19°56	23°13	12° 0	29°22	12°30	8° 1	5°39	14°45	14° 7	16° 6	4° 0	S 21
M22	22 25 41	4°38'02	26°33	24°11	21°10	22°59	12°11	29°29	12°29	8° 0	5°39	14°32	14° 3	16°13	3°57	M22
T 23	22 29 37	5°36'24	8♎24	26° 5	22°24	22°45	12°21	29°37	12°29	7°58	5°40	14°19	14° 0	16°20	3°54	T 23
W24	22 33 34	6°34'48	20°19	27°58	23°39	22°31	12°31	29°44	12°28	7°57	5°41	14°10	13°57	16°26	3°51	W24
T 25	22 37 30	7°33'13	2♏18	29°52	24°53	22°16	12°42	29°52	12°27	7°56	5°42	14° 3	13°54	16°33	3°49	T 25
F 26	22 41 27	8°31'41	14°27	1♍47	26° 7	22° 0	12°52	29°59	12°27	7°54	5°43	13°59	13°51	16°40	3°46	F 26
S 27	22 45 24	9°30'10	26°48	3°41	27°21	21°44	13° 2	0♍ 7	12°26	7°53	5°44	13°57	13°48	16°46	3°43	S 27
S 28	22 49 20	10°28'40	9♐27	5°34	28°35	21°28	13°12	0°14	12°25	7°51	5°44	13°57	13°44	16°53	3°40	S 28
M29	22 53 17	11°27'13	22°28	7°28	29°50	21°11	13°22	0°22	12°24	7°50	5°45	13°57	13°41	17° 0	3°37	M29
T 30	22 57 13	12°25'47	5♑55	9°20	1♎ 4	20°54	13°32	0°29	12°24	7°49	5°46	13°56	13°38	17° 7	3°34	T 30
W31	23 1 10	13♍24'23	19♑52	11♍12	2♎18	20♓37	13♋41	0♍36	12♉23	7♒48	5♋47	13♊53	13♊35	17♍13	3♓31	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n36	22s19	0n15	17n47	2s38	14n32	1n27	7s 4	5s34	23n17	0s 1	14n 2	1n31	15n17	0s23	18s24	0s12	21n58	1s29	22n52	22n43	11n 7	4s28	5n40
T 2	16 19	24 29	0s57	18 3	2 21	14 7	1 27	7 5	5 35	23 16	0 1	14 0	1 31	15 17	0 23	18 24	0 12	21 58	1 29	22 52	22 43	11 4	4 28	5 40
W 3	16 2	25 11	2 9	18 17	2 4	13 41	1 27	7 6	5 37	23 15	0 0	13 57	1 31	15 17	0 23	18 25	0 12	21 57	1 29	22 52	22 42	11 2	4 29	5 41
T 4	15 45	24 13	3 14	18 30	1 46	13 15	1 27	7 7	5 39	23 15	0 0	13 55	1 31	15 17	0 23	18 25	0 12	21 57	1 29	22 52	22 42	10 59	4 30	5 41
F 5	15 27	21 32	4 7	18 41	1 28	12 49	1 26	7 8	5 40	23 14	0 0	13 52	1 31	15 17	0 23	18 26	0 12	21 57	1 29	22 51	22 42	10 57	4 31	5 41
S 6	15 9	17 21	4 45	18 50	1 11	12 22	1 26	7 10	5 41	23 13	0 0	13 50	1 31	15 17	0 23	18 26	0 12	21 57	1 29	22 50	22 41	10 54	4 32	5 41
S 7	14 51	12 1	5 2	18 56	0 54	11 55	1 26	7 12	5 43	23 13	0 0	13 47	1 31	15 17	0 23	18 27	0 12	21 57	1 29	22 49	22 41	10 51	4 33	5 41
M 8	14 32	6 0	4 58	19 0	0 38	11 28	1 26	7 14	5 44	23 12	0n 0	13 45	1 31	15 17	0 23	18 27	0 12	21 57	1 29	22 48	22 41	10 49	4 34	5 41
T 9	14 14	0n16	4 34	19 2	0 22	11 0	1 25	7 17	5 45	23 11	0 0	13 42	1 31	15 17	0 24	18 27	0 12	21 57	1 29	22 47	22 40	10 46	4 35	5 41
W10	13 55	6 23	3 53	19 1	0 7	10 32	1 25	7 19	5 46	23 10	0 0	13 39	1 31	15 18	0 24	18 28	0 12	21 57	1 29	22 47	22 40	10 43	4 36	5 41
T 11	13 35	12 0	2 58	18 57	0n 7	10 4	1 24	7 22	5 47	23 10	0 0	13 37	1 31	15 18	0 24	18 28	0 12	21 57	1 29	22 47	22 39	10 41	4 37	5 41
F 12	13 16	16 52	1 55	18 51	0 21	9 36	1 23	7 25	5 48	23 9	0 0	13 34	1 31	15 18	0 24	18 29	0 12	21 57	1 29	22 47	22 39	10 38	4 38	5 41
S 13	12 56	20 45	0 48	18 41	0 33	9 7	1 23	7 29	5 48	23 8	0 1	13 32	1 31	15 18	0 24	18 29	0 12	21 57	1 29	22 47	22 39	10 35	4 39	5 41
S 14	12 37	23 29	0n21	18 28	0 45	8 38	1 22	7 32	5 49	23 7	0 1	13 29	1 31	15 17	0 24	18 29	0 12	21 57	1 29	22 47	22 38	10 33	4 40	5 41
M15	12 17	24 58	1 26	18 13	0 55	8 9	1 21	7 36	5 49	23 6	0 1	13 26	1 32	15 17	0 24	18 30	0 12	21 57	1 28	22 46	22 38	10 30	4 41	5 41
T 16	11 56	25 10	2 27	17 54	1 5	7 39	1 20	7 40	5 50	23 6	0 1	13 24	1 32	15 17	0 24	18 30	0 12	21 57	1 28	22 46	22 38	10 28	4 42	5 41
W17	11 36	24 9	3 19	17 33	1 14	7 9	1 19	7 44	5 50	23 5	0 1	13 21	1 32	15 17	0 24	18 31	0 12	21 57	1 28	22 45	22 37	10 25	4 43	5 41
T 18	11 15	22 0	4 2	17 9	1 21	6 40	1 18	7 49	5 50	23 4	0 1	13 19	1 32	15 17	0 24	18 31	0 12	21 57	1 28	22 45	22 37	10 22	4 44	5 41
F 19	10 55	18 55	4 34	16 42	1 28	6 10	1 17	7 53	5 50	23 3	0 1	13 16	1 32	15 17	0 24	18 31	0 12	21 57	1 28	22 43	22 36	10 20	4 45	5 41
S 20	10 34	15 4	4 53	16 12	1 34	5 39	1 16	7 58	5 49	23 2	0 1	13 14	1 32	15 17	0 24	18 32	0 12	21 57	1 28	22 42	22 36	10 17	4 46	5 41
S 21	10 13	10 39	5 0	15 41	1 38	5 9	1 15	8 2	5 49	23 2	0 1	13 11	1 32	15 17	0 24	18 32	0 12	21 57	1 28	22 40	22 36	10 14	4 48	5 41
M22	9 51	5 52	4 53	15 7	1 42	4 39	1 14	8 7	5 48	23 1	0 2	13 8	1 32	15 17	0 24	18 33	0 12	21 57	1 28	22 39	22 35	10 12	4 49	5 41
T 23	9 30	0 51	4 34	14 32	1 45	4 8	1 12	8 12	5 47	23 0	0 2	13 6	1 32	15 16	0 24	18 33	0 12	21 57	1 28	22 37	22 35	10 9	4 50	5 41
W24	9 8	4s13	4 3	13 54	1 47	3 37	1 11	8 17	5 46	22 59	0 2	13 3	1 32	15 16	0 24	18 33	0 12	21 57	1 28	22 36	22 35	10 6	4 51	5 40
T 25	8 46	9 11	3 21	13 15	1 48	3 6	1 9	8 22	5 45	22 58	0 2	13 1	1 32	15 16	0 24	18 34	0 12	21 57	1 28	22 35	22 34	10 4	4 52	5 40
F 26	8 25	13 52	2 29	12 35	1 49	2 35	1 8	8 27	5 44	22 57	0 2	12 58	1 32	15 16	0 24	18 34	0 12	21 57	1 28	22 35	22 34	10 1	4 53	5 40
S 27	8 2	18 5	1 29	11 53	1 48	2 4	1 6	8 32	5 43	22 56	0 2	12 55	1 32	15 16	0 24	18 34	0 12	21 57	1 28	22 35	22 33	9 58	4 54	5 40
S 28	7 40	21 34	0 24	11 11	1 48	1 33	1 5	8 37	5 41	22 55	0 2	12 53	1 33	15 15	0 24	18 35	0 12	21 57	1 28	22 35	22 33	9 56	4 55	5 40
M29	7 18	24 5	0s45	10 27	1 46	1 2	1 3	8 42	5 39	22 55	0 2	12 50	1 33	15 15	0 24	18 35	0 12	21 57	1 28	22 35	22 33	9 53	4 56	5 40
T 30	6 56	25 18	1 53	9 43	1 44	0 31	1 1	8 47	5 37	22 54	0 2	12 48	1 33	15 15	0 24	18 35	0 12	21 57	1 28	22 34	22 32	9 50	4 57	5 40
W31	6n33	25s 0	2s57	8n57	1n41	0s 0	1n 0	8s52	5s35	22n53	0n 3	12n45	1n33	15n15	0s24	18s36	0s12	21n57	1s28	22n34	22n32	9n47	4s59	5n40

Julian Day Number = 2153360.5, Delta T = 13m57s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'24, Lahiri = 12°28'25 Julian Calendar 1 Aug. 1183 == Greg. Calendar 8 Aug. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

SEPTEMBER 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 5 6	14♍23'00	4♒17	13♍ 3	3♎32	20°R20	13♋51	0♍44	12°R22	7°R46	5♋47	13°R47	13♊32	17♍20	3°R29	T 1
F 2	23 9 3	15°21'39	19° 9	14°54	4°46	20♓ 2	14° 0	0°51	12♉21	7♒45	5°48	13♊39	13°28	17°27	3♓26	F 2
S 3	23 12 59	16°20'20	4♓21	16°43	6° 0	19°45	14°10	0°59	12°20	7°44	5°49	13°29	13°25	17°34	3°23	S 3
S 4	23 16 56	17°19'03	19°42	18°32	7°14	19°27	14°19	1° 6	12°19	7°43	5°49	13°17	13°22	17°40	3°20	S 4
M 5	23 20 53	18°17'48	5♈ 1	20°20	8°29	19°10	14°28	1°13	12°17	7°42	5°50	13° 7	13°19	17°47	3°17	M 5
T 6	23 24 49	19°16'35	20° 6	22° 7	9°43	18°52	14°37	1°21	12°16	7°41	5°51	12°58	13°16	17°54	3°15	T 6
W 7	23 28 46	20°15'24	4♉50	23°53	10°57	18°35	14°46	1°28	12°15	7°39	5°51	12°51	13°13	18° 0	3°12	W 7
T 8	23 32 42	21°14'16	19° 5	25°38	12°11	18°17	14°55	1°35	12°14	7°38	5°52	12°47	13° 9	18° 7	3° 9	T 8
F 9	23 36 39	22°13'10	2♊51	27°22	13°25	18° 0	15° 3	1°42	12°12	7°37	5°52	12°46	13° 6	18°14	3° 7	F 9
S 10	23 40 35	23°12'06	16° 9	29° 5	14°39	17°43	15°12	1°50	12°11	7°36	5°53	12°46	13° 3	18°21	3° 4	S 10
S 11	23 44 32	24°11'05	29° 3	0♎47	15°53	17°27	15°20	1°57	12°10	7°35	5°53	12°46	13° 0	18°27	3° 1	S 11
M12	23 48 28	25°10'06	11♋36	2°28	17° 7	17°10	15°28	2° 4	12° 8	7°34	5°54	12°45	12°57	18°34	2°59	M12
T 13	23 52 25	26° 9'09	23°53	4° 9	18°22	16°54	15°37	2°11	12° 7	7°33	5°54	12°41	12°54	18°41	2°56	T 13
W14	23 56 22	27° 8'15	5♌59	5°48	19°36	16°39	15°45	2°18	12° 5	7°32	5°54	12°36	12°50	18°48	2°53	W14
T 15	0 0 18	28° 7'23	17°57	7°27	20°50	16°23	15°52	2°25	12° 4	7°31	5°55	12°27	12°47	18°54	2°51	T 15
F 16	0 4 15	29° 6'33	29°51	9° 5	22° 4	16° 9	16° 0	2°32	12° 2	7°31	5°55	12°16	12°44	19° 1	2°48	F 16
S 17	0 8 11	0♎ 5'45	11♍43	10°42	23°18	15°55	16° 8	2°39	12° 0	7°30	5°56	12° 3	12°41	19° 8	2°46	S 17
S 18	0 12 8	1° 4'59	23°35	12°18	24°32	15°41	16°15	2°46	11°59	7°29	5°56	11°50	12°38	19°14	2°44	S 18
M19	0 16 4	2° 4'16	5♎29	13°54	25°46	15°28	16°23	2°53	11°57	7°28	5°56	11°37	12°34	19°21	2°41	M19
T 20	0 20 1	3° 3'34	17°25	15°29	27° 0	15°16	16°30	3° 0	11°55	7°27	5°56	11°25	12°31	19°28	2°39	T 20
W21	0 23 57	4° 2'55	29°25	17° 3	28°14	15° 4	16°37	3° 7	11°53	7°27	5°57	11°15	12°28	19°35	2°36	W21
T 22	0 27 54	5° 2'18	11♏31	18°36	29°28	14°53	16°44	3°14	11°52	7°26	5°57	11° 9	12°25	19°41	2°34	T 22
F 23	0 31 50	6° 1'42	23°46	20° 9	0♏42	14°43	16°50	3°21	11°50	7°25	5°57	11° 5	12°22	19°48	2°32	F 23
S 24	0 35 47	7° 1'09	6♐11	21°41	1°56	14°33	16°57	3°27	11°48	7°25	5°57	11°D 3	12°19	19°55	2°30	S 24
S 25	0 39 44	8° 0'37	18°52	23°12	3°10	14°24	17° 3	3°34	11°46	7°24	5°57	11° 3	12°15	20° 1	2°27	S 25
M26	0 43 40	9° 0'07	1♑51	24°42	4°24	14°16	17°10	3°41	11°44	7°23	5°57	11° 4	12°12	20° 8	2°25	M26
T 27	0 47 37	9°59'39	15°12	26°12	5°38	14° 9	17°16	3°47	11°42	7°23	5°58	11°R 4	12° 9	20°15	2°23	T 27
W28	0 51 33	10°59'13	28°58	27°41	6°52	14° 3	17°22	3°54	11°40	7°22	5°58	11° 3	12° 6	20°22	2°21	W28
T 29	0 55 30	11°58'49	13♒11	29° 9	8° 6	13°57	17°28	4° 0	11°38	7°22	5°58	10°59	12° 3	20°28	2°19	T 29
F 30	0 59 26	12♎58'26	27♒48	0♏37	9♏20	13♓52	17♋33	4♍ 7	11♉36	7♒21	5°R58	10♊53	11♊59	20♍35	2♓17	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n10	23s 2	3s52	8n12	1n38	0s32	0n58	8s56	5s33	22n52	0n 3	12n43	1n33	15n14	0s24	18s36	0s12	21n57	1s28	22n33	22n32	9n45	5s 0	5n40
F 2	5 48	19 28	4 33	7 26	1 35	1 3	0 56	9 1	5 30	22 51	0 3	12 40	1 33	15 14	0 24	18 36	0 12	21 57	1 28	22 32	22 31	9 42	5 1	5 40
S 3	5 25	14 33	4 56	6 40	1 31	1 34	0 54	9 6	5 28	22 50	0 3	12 38	1 33	15 14	0 24	18 37	0 12	21 57	1 28	22 31	22 31	9 39	5 2	5 40
S 4	5 2	8 40	4 58	5 53	1 27	2 6	0 52	9 10	5 25	22 49	0 3	12 35	1 33	15 13	0 24	18 37	0 12	21 57	1 28	22 30	22 30	9 37	5 3	5 39
M 5	4 39	2 16	4 39	5 6	1 22	2 37	0 50	9 14	5 22	22 49	0 3	12 32	1 33	15 13	0 24	18 37	0 12	21 57	1 28	22 28	22 30	9 34	5 4	5 39
T 6	4 16	4n11	4 0	4 19	1 17	3 8	0 48	9 19	5 19	22 48	0 3	12 30	1 33	15 13	0 24	18 38	0 12	21 57	1 28	22 27	22 30	9 31	5 5	5 39
W 7	3 53	10 16	3 6	3 32	1 12	3 39	0 46	9 23	5 16	22 47	0 3	12 27	1 34	15 12	0 24	18 38	0 12	21 57	1 28	22 26	22 29	9 28	5 6	5 39
T 8	3 29	15 37	2 2	2 46	1 6	4 10	0 43	9 26	5 13	22 46	0 3	12 25	1 34	15 12	0 24	18 38	0 12	21 57	1 28	22 26	22 29	9 26	5 8	5 39
F 9	3 6	19 58	0 52	1 59	1 1	4 41	0 41	9 30	5 9	22 45	0 4	12 22	1 34	15 11	0 24	18 39	0 12	21 57	1 28	22 26	22 28	9 23	5 9	5 39
S 10	2 43	23 7	0n18	1 12	0 55	5 12	0 39	9 33	5 6	22 44	0 4	12 20	1 34	15 11	0 24	18 39	0 12	21 57	1 28	22 26	22 28	9 20	5 10	5 38
S 11	2 19	24 58	1 25	0 26	0 49	5 43	0 37	9 36	5 2	22 43	0 4	12 17	1 34	15 11	0 24	18 39	0 12	21 57	1 28	22 26	22 28	9 18	5 11	5 38
M12	1 56	25 28	2 26	0s20	0 42	6 14	0 34	9 39	4 58	22 43	0 4	12 15	1 34	15 10	0 24	18 39	0 12	21 57	1 28	22 26	22 27	9 15	5 12	5 38
T 13	1 32	24 42	3 19	1 6	0 36	6 44	0 32	9 42	4 54	22 42	0 4	12 12	1 34	15 10	0 24	18 40	0 12	21 57	1 28	22 25	22 27	9 12	5 13	5 38
W14	1 9	22 46	4 2	1 52	0 29	7 15	0 30	9 45	4 50	22 41	0 4	12 10	1 34	15 9	0 24	18 40	0 12	21 57	1 28	22 24	22 26	9 9	5 14	5 38
T 15	0 45	19 52	4 34	2 37	0 23	7 45	0 27	9 47	4 46	22 40	0 4	12 8	1 35	15 9	0 24	18 40	0 12	21 57	1 28	22 23	22 26	9 7	5 15	5 38
F 16	0 21	16 9	4 54	3 22	0 16	8 15	0 25	9 49	4 42	22 39	0 4	12 5	1 35	15 8	0 24	18 40	0 12	21 57	1 28	22 22	22 26	9 4	5 16	5 37
S 17	0s 2	11 49	5 1	4 7	0 9	8 45	0 22	9 50	4 37	22 39	0 5	12 3	1 35	15 8	0 24	18 41	0 12	21 57	1 28	22 20	22 25	9 1	5 17	5 37
S 18	0 26	7 4	4 55	4 51	0 2	9 15	0 19	9 51	4 33	22 38	0 5	12 0	1 35	15 7	0 24	18 41	0 12	21 57	1 28	22 18	22 25	8 58	5 18	5 37
M19	0 50	2 2	4 36	5 35	0s 5	9 44	0 17	9 52	4 29	22 37	0 5	11 58	1 35	15 7	0 24	18 41	0 12	21 57	1 28	22 17	22 24	8 56	5 19	5 37
T 20	1 13	3s 6	4 4	6 18	0 12	10 14	0 14	9 53	4 24	22 36	0 5	11 56	1 35	15 6	0 24	18 41	0 12	21 57	1 28	22 15	22 24	8 53	5 21	5 36
W21	1 37	8 10	3 22	7 1	0 19	10 43	0 12	9 54	4 20	22 36	0 5	11 53	1 35	15 5	0 24	18 41	0 12	21 57	1 27	22 14	22 23	8 50	5 22	5 36
T 22	2 1	12 58	2 30	7 43	0 26	11 12	0 9	9 54	4 15	22 35	0 5	11 51	1 35	15 5	0 24	18 42	0 12	21 57	1 27	22 13	22 23	8 47	5 23	5 36
F 23	2 24	17 20	1 31	8 25	0 33	11 40	0 6	9 53	4 10	22 34	0 5	11 49	1 36	15 4	0 24	18 42	0 12	21 57	1 27	22 12	22 23	8 45	5 24	5 36
S 24	2 48	21 1	0 26	9 6	0 40	12 9	0 4	9 53	4 6	22 33	0 5	11 46	1 36	15 4	0 24	18 42	0 12	21 57	1 27	22 12	22 22	8 42	5 25	5 36
S 25	3 11	23 46	0s42	9 46	0 47	12 37	0 1	9 52	4 1	22 33	0 6	11 44	1 36	15 3	0 24	18 42	0 12	21 57	1 27	22 12	22 22	8 39	5 26	5 35
M26	3 35	25 21	1 49	10 26	0 54	13 5	0s 2	9 51	3 56	22 32	0 6	11 42	1 36	15 3	0 24	18 42	0 12	21 57	1 27	22 12	22 21	8 36	5 27	5 35
T 27	3 59	25 31	2 52	11 6	1 0	13 32	0 5	9 49	3 52	22 31	0 6	11 39	1 36	15 2	0 24	18 42	0 12	21 57	1 27	22 12	22 21	8 33	5 28	5 35
W28	4 22	24 9	3 47	11 44	1 7	13 59	0 7	9 47	3 47	22 31	0 6	11 37	1 36	15 1	0 24	18 42	0 12	21 57	1 27	22 12	22 21	8 31	5 29	5 35
T 29	4 45	21 15	4 30	12 22	1 14	14 26	0 10	9 45	3 42	22 30	0 6	11 35	1 37	15 1	0 24	18 43	0 12	21 57	1 27	22 11	22 20	8 28	5 30	5 34
F 30	5s 9	16s56	4s57	13s 0	1s21	14s53	0s13	9s43	3s37	22n30	0n 6	11n33	1n37	15n 0	0s24	18s43	0s12	21n57	1s27	22n11	22n20	8n25	5s31	5n34

Julian Day Number = 2153391.5, Delta T = 13m57s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'29, Lahiri = 12°28'29 Julian Calendar 1 Sept. 1183 == Greg. Calendar 8 Sept. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

OCTOBER 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 3 23	13♎58'05	12♓46	2♏ 4	10♏34	13°R48	17♋39	4♍13	11°R34	7°R21	5°R58	10°R45	11♊56	20♍42	2°R15	S 1
S 2	1 7 19	14°57'45	27°57	3°30	11°48	13♓44	17°44	4°20	11♉31	7♒21	5♋58	10♊37	11°53	20°49	2♓13	S 2
M 3	1 11 16	15°57'28	13♈10	4°55	13° 2	13°42	17°49	4°26	11°29	7°20	5°58	10°28	11°50	20°55	2°11	M 3
T 4	1 15 13	16°57'13	28°15	6°19	14°16	13°40	17°54	4°32	11°27	7°20	5°58	10°21	11°47	21° 2	2° 9	T 4
W 5	1 19 9	17°57'00	13♉ 2	7°43	15°30	13°39	17°59	4°38	11°25	7°20	5°57	10°16	11°44	21° 9	2° 8	W 5
T 6	1 23 6	18°56'49	27°25	9° 6	16°44	13°D39	18° 4	4°44	11°23	7°19	5°57	10°13	11°40	21°15	2° 6	T 6
F 7	1 27 2	19°56'40	11♊19	10°28	17°58	13°40	18° 8	4°51	11°20	7°19	5°57	10°D12	11°37	21°22	2° 4	F 7
S 8	1 30 59	20°56'33	24°45	11°49	19°11	13°41	18°12	4°57	11°18	7°19	5°57	10°13	11°34	21°29	2° 3	S 8
S 9	1 34 55	21°56'29	7♋44	13° 9	20°25	13°43	18°16	5° 2	11°16	7°19	5°57	10°14	11°31	21°36	2° 1	S 9
M10	1 38 52	22°56'27	20°21	14°27	21°39	13°46	18°20	5° 8	11°13	7°19	5°57	10°R15	11°28	21°42	1°59	M10
T 11	1 42 48	23°56'27	2♌40	15°45	22°53	13°50	18°24	5°14	11°11	7°19	5°56	10°15	11°25	21°49	1°58	T 11
W12	1 46 45	24°56'30	14°45	17° 1	24° 7	13°54	18°28	5°20	11° 9	7°19	5°56	10°12	11°21	21°56	1°57	W12
T 13	1 50 42	25°56'34	26°42	18°16	25°21	14° 0	18°31	5°26	11° 6	7°D19	5°56	10° 8	11°18	22° 2	1°55	T 13
F 14	1 54 38	26°56'41	8♍34	19°29	26°34	14° 6	18°34	5°31	11° 4	7°19	5°55	10° 2	11°15	22° 9	1°54	F 14
S 15	1 58 35	27°56'50	20°25	20°40	27°48	14°12	18°37	5°37	11° 2	7°19	5°55	9°55	11°12	22°16	1°53	S 15
S 16	2 2 31	28°57'00	2♎18	21°50	29° 2	14°20	18°40	5°42	10°59	7°19	5°55	9°47	11° 9	22°23	1°51	S 16
M17	2 6 28	29°57'13	14°16	22°57	0♐16	14°28	18°43	5°48	10°57	7°19	5°54	9°39	11° 5	22°29	1°50	M17
T 18	2 10 24	0♏57'27	26°19	24° 2	1°29	14°37	18°45	5°53	10°54	7°19	5°54	9°32	11° 2	22°36	1°49	T 18
W19	2 14 21	1°57'44	8♏30	25° 4	2°43	14°47	18°48	5°59	10°52	7°19	5°54	9°26	10°59	22°43	1°48	W19
T 20	2 18 17	2°58'02	20°49	26° 3	3°57	14°57	18°50	6° 4	10°49	7°19	5°53	9°22	10°56	22°49	1°47	T 20
F 21	2 22 14	3°58'22	3♐17	26°58	5°11	15° 8	18°52	6° 9	10°47	7°20	5°53	9°D21	10°53	22°56	1°46	F 21
S 22	2 26 11	4°58'43	15°57	27°50	6°24	15°19	18°53	6°14	10°44	7°20	5°52	9°21	10°50	23° 3	1°45	S 22
S 23	2 30 7	5°59'07	28°50	28°37	7°38	15°32	18°55	6°19	10°42	7°20	5°52	9°22	10°46	23°10	1°44	S 23
M24	2 34 4	6°59'31	11♑57	29°20	8°52	15°45	18°56	6°24	10°39	7°21	5°51	9°24	10°43	23°16	1°44	M24
T 25	2 38 0	7°59'58	25°21	29°57	10° 5	15°58	18°57	6°29	10°37	7°21	5°50	9°25	10°40	23°23	1°43	T 25
W26	2 41 57	9° 0'25	9♒ 3	0♐28	11°19	16°12	18°58	6°34	10°34	7°21	5°50	9°R26	10°37	23°30	1°42	W26
T 27	2 45 53	10° 0'54	23° 4	0°53	12°32	16°27	18°59	6°38	10°32	7°22	5°49	9°25	10°34	23°37	1°42	T 27
F 28	2 49 50	11° 1'24	7♓24	1°10	13°46	16°42	19° 0	6°43	10°29	7°22	5°49	9°23	10°31	23°43	1°41	F 28
S 29	2 53 46	12° 1'55	21°59	1°R18	14°59	16°58	19° 0	6°47	10°27	7°23	5°48	9°20	10°27	23°50	1°40	S 29
S 30	2 57 43	13° 2'28	6♈45	1°18	16°13	17°15	19°R 0	6°52	10°24	7°23	5°47	9°16	10°24	23°57	1°40	S 30
M31	3 1 40	14♏ 3'02	21♈36	1♐ 9	17♐26	17♓32	19♋ 0	6♍56	10♉22	7♒24	5♋47	9♊12	10♊21	24♍ 3	1♓40	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s32	11s29	5s 5	13s36	1s27	15s19	0s16	9s40	3s33	22n29	0n 6	11n30	1n37	14n59	0s24	18s43	0s12	21n58	1s27	22n 9	22n19	8n22	5s32	5n34
S 2	5 55	5 16	4 51	14 12	1 34	15 44	0 19	9 37	3 28	22 28	0 7	11 28	1 37	14 59	0 24	18 43	0 12	21 58	1 27	22 8	22 19	8 20	5 32	5 33
M 3	6 18	1n16	4 17	14 47	1 40	16 10	0 21	9 34	3 23	22 28	0 7	11 26	1 37	14 58	0 24	18 43	0 12	21 58	1 27	22 7	22 18	8 17	5 33	5 33
T 4	6 41	7 42	3 25	15 21	1 46	16 35	0 24	9 30	3 19	22 27	0 7	11 24	1 37	14 57	0 24	18 43	0 12	21 58	1 27	22 6	22 18	8 14	5 34	5 33
W 5	7 4	13 35	2 21	15 55	1 52	16 59	0 27	9 26	3 14	22 27	0 7	11 22	1 38	14 57	0 24	18 43	0 12	21 58	1 27	22 5	22 18	8 11	5 35	5 33
T 6	7 27	18 34	1 8	16 27	1 58	17 23	0 30	9 22	3 9	22 26	0 7	11 20	1 38	14 56	0 24	18 43	0 12	21 58	1 27	22 5	22 17	8 8	5 36	5 32
F 7	7 50	22 20	0n 6	16 59	2 3	17 47	0 33	9 18	3 5	22 26	0 7	11 18	1 38	14 55	0 24	18 43	0 12	21 58	1 27	22 5	22 17	8 5	5 37	5 32
S 8	8 13	24 44	1 18	17 29	2 9	18 10	0 36	9 13	3 0	22 25	0 7	11 16	1 38	14 55	0 24	18 43	0 12	21 58	1 27	22 5	22 16	8 3	5 38	5 32
S 9	8 35	25 42	2 23	17 59	2 14	18 33	0 38	9 8	2 56	22 25	0 8	11 14	1 38	14 54	0 24	18 43	0 12	21 58	1 27	22 5	22 16	8 0	5 39	5 31
M10	8 57	25 17	3 19	18 27	2 19	18 55	0 41	9 3	2 51	22 25	0 8	11 12	1 38	14 53	0 24	18 43	0 12	21 58	1 27	22 5	22 15	7 57	5 39	5 31
T 11	9 20	23 37	4 5	18 55	2 23	19 17	0 44	8 57	2 47	22 24	0 8	11 10	1 39	14 52	0 24	18 43	0 12	21 58	1 27	22 5	22 15	7 54	5 40	5 31
W12	9 42	20 55	4 39	19 21	2 28	19 38	0 47	8 51	2 42	22 24	0 8	11 8	1 39	14 52	0 24	18 43	0 12	21 58	1 27	22 5	22 15	7 51	5 41	5 30
T 13	10 4	17 22	5 0	19 46	2 32	19 59	0 49	8 45	2 38	22 24	0 8	11 6	1 39	14 51	0 24	18 44	0 12	21 58	1 27	22 4	22 14	7 49	5 42	5 30
F 14	10 26	13 9	5 8	20 10	2 35	20 19	0 52	8 39	2 34	22 23	0 8	11 4	1 39	14 50	0 24	18 44	0 12	21 58	1 27	22 3	22 14	7 46	5 43	5 30
S 15	10 47	8 27	5 3	20 33	2 39	20 39	0 55	8 32	2 30	22 23	0 8	11 2	1 39	14 49	0 24	18 44	0 12	21 58	1 27	22 2	22 13	7 43	5 43	5 29
S 16	11 9	3 26	4 45	20 54	2 41	20 58	0 58	8 26	2 25	22 23	0 9	11 0	1 40	14 49	0 24	18 43	0 12	21 58	1 27	22 1	22 13	7 40	5 44	5 29
M17	11 30	1s44	4 15	21 14	2 44	21 17	1 0	8 19	2 21	22 23	0 9	10 58	1 40	14 48	0 24	18 43	0 12	21 58	1 27	22 0	22 12	7 37	5 45	5 29
T 18	11 52	6 54	3 32	21 32	2 45	21 35	1 3	8 12	2 17	22 22	0 9	10 56	1 40	14 47	0 24	18 43	0 12	21 58	1 27	21 59	22 12	7 34	5 46	5 29
W19	12 13	11 53	2 40	21 49	2 47	21 52	1 6	8 4	2 13	22 22	0 9	10 55	1 40	14 46	0 24	18 43	0 12	21 58	1 27	21 58	22 11	7 32	5 46	5 28
T 20	12 33	16 27	1 39	22 3	2 47	22 9	1 8	7 56	2 9	22 22	0 9	10 53	1 40	14 46	0 24	18 43	0 12	21 58	1 27	21 57	22 11	7 29	5 47	5 28
F 21	12 54	20 22	0 33	22 17	2 47	22 25	1 11	7 49	2 5	22 22	0 9	10 51	1 41	14 45	0 24	18 43	0 12	21 58	1 27	21 57	22 11	7 26	5 48	5 27
S 22	13 14	23 24	0s36	22 28	2 46	22 41	1 13	7 41	2 2	22 22	0 9	10 49	1 41	14 44	0 24	18 43	0 12	21 58	1 27	21 57	22 10	7 23	5 48	5 27
S 23	13 35	25 17	1 44	22 37	2 45	22 56	1 16	7 32	1 58	22 22	0 10	10 48	1 41	14 43	0 24	18 43	0 12	21 58	1 27	21 57	22 10	7 20	5 49	5 27
M24	13 55	25 48	2 49	22 44	2 42	23 10	1 18	7 24	1 54	22 22	0 10	10 46	1 41	14 42	0 24	18 43	0 12	21 58	1 27	21 57	22 9	7 17	5 49	5 26
T 25	14 14	24 51	3 45	22 48	2 38	23 23	1 21	7 15	1 50	22 22	0 10	10 45	1 41	14 42	0 24	18 43	0 12	21 58	1 27	21 58	22 9	7 15	5 50	5 26
W26	14 34	22 25	4 30	22 51	2 34	23 36	1 23	7 6	1 47	22 22	0 10	10 43	1 42	14 41	0 24	18 43	0 12	21 59	1 27	21 58	22 8	7 12	5 51	5 26
T 27	14 53	18 37	5 1	22 50	2 28	23 49	1 25	6 57	1 43	22 22	0 10	10 41	1 42	14 40	0 24	18 43	0 12	21 59	1 27	21 58	22 8	7 9	5 51	5 25
F 28	15 12	13 40	5 13	22 47	2 21	24 0	1 28	6 48	1 40	22 22	0 10	10 40	1 42	14 39	0 24	18 43	0 12	21 59	1 27	21 57	22 7	7 6	5 52	5 25
S 29	15 31	7 52	5 6	22 40	2 12	24 11	1 30	6 39	1 36	22 22	0 11	10 38	1 42	14 39	0 24	18 42	0 12	21 59	1 26	21 57	22 7	7 3	5 52	5 25
S 30	15 49	1 34	4 38	22 30	2 2	24 21	1 32	6 29	1 33	22 22	0 11	10 37	1 43	14 38	0 24	18 42	0 12	21 59	1 26	21 56	22 6	7 0	5 53	5 24
M31	16s 8	4n52	3s52	22s17	1s50	24s31	1s34	6s19	1s30	22n22	0n11	10n36	1n43	14n37	0s24	18s42	0s12	21n59	1s26	21n56	22n 6	6n57	5s53	5n24

Julian Day Number = 2153421.5, Delta T = 13m57s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'33, Lahiri = 12°28'33 Julian Calendar 1 Oct. 1183 == Greg. Calendar 8 Oct. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

NOVEMBER 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 5 36	15♏ 3'37	6♉23	0°R49	18♐40	17♓49	19°R 0	7♍ 1	10°R19	7♒25	5°R46	9°R 9	10♊18	24♍10	1°R39	T 1
W 2	3 9 33	16° 4'14	20°58	0♐18	19°53	18° 7	18♋59	7° 5	10♉17	7°25	5♋45	9♊ 7	10°15	24°17	1♓39	W 2
T 3	3 13 29	17° 4'52	5♊15	29♏37	21° 7	18°26	18°59	7° 9	10°14	7°26	5°44	9°D 6	10°11	24°24	1°39	T 3
F 4	3 17 26	18° 5'32	19° 9	28°46	22°20	18°45	18°58	7°13	10°12	7°27	5°44	9° 6	10° 8	24°30	1°39	F 4
S 5	3 21 22	19° 6'14	2♋39	27°45	23°33	19° 4	18°57	7°17	10° 9	7°27	5°43	9° 7	10° 5	24°37	1°39	S 5
S 6	3 25 19	20° 6'57	15°44	26°35	24°47	19°24	18°56	7°21	10° 7	7°28	5°42	9° 9	10° 2	24°44	1°D39	S 6
M 7	3 29 15	21° 7'42	28°26	25°19	26° 0	19°45	18°54	7°24	10° 5	7°29	5°41	9°10	9°59	24°50	1°39	M 7
T 8	3 33 12	22° 8'28	10♌50	23°59	27°13	20° 6	18°52	7°28	10° 2	7°30	5°40	9°11	9°56	24°57	1°39	T 8
W 9	3 37 9	23° 9'16	22°58	22°36	28°26	20°27	18°51	7°32	10° 0	7°31	5°39	9°R12	9°52	25° 4	1°39	W 9
T 10	3 41 5	24°10'06	4♍56	21°15	29°40	20°49	18°49	7°35	9°57	7°32	5°39	9°11	9°49	25°11	1°39	T 10
F 11	3 45 2	25°10'57	16°49	19°57	0♑53	21°11	18°46	7°38	9°55	7°33	5°38	9°10	9°46	25°17	1°40	F 11
S 12	3 48 58	26°11'49	28°41	18°46	2° 6	21°34	18°44	7°42	9°53	7°34	5°37	9° 9	9°43	25°24	1°40	S 12
S 13	3 52 55	27°12'43	10♎35	17°42	3°19	21°57	18°41	7°45	9°50	7°35	5°36	9° 7	9°40	25°31	1°40	S 13
M14	3 56 51	28°13'38	22°37	16°49	4°32	22°20	18°38	7°48	9°48	7°36	5°35	9° 5	9°36	25°37	1°41	M14
T 15	4 0 48	29°14'34	4♏47	16° 6	5°45	22°44	18°35	7°51	9°45	7°37	5°34	9° 4	9°33	25°44	1°41	T 15
W16	4 4 44	0♐15'31	17° 9	15°35	6°58	23° 8	18°32	7°54	9°43	7°38	5°33	9° 3	9°30	25°51	1°42	W16
T 17	4 8 41	1°16'30	29°44	15°16	8°11	23°32	18°29	7°57	9°41	7°39	5°32	9° 2	9°27	25°58	1°42	T 17
F 18	4 12 38	2°17'30	12♐33	15°D 7	9°24	23°57	18°25	7°59	9°39	7°40	5°31	9°D 2	9°24	26° 4	1°43	F 18
S 19	4 16 34	3°18'31	25°34	15° 9	10°37	24°22	18°21	8° 2	9°36	7°41	5°30	9° 2	9°21	26°11	1°44	S 19
S 20	4 20 31	4°19'32	8♑49	15°21	11°50	24°48	18°17	8° 4	9°34	7°43	5°29	9° 3	9°17	26°18	1°45	S 20
M21	4 24 27	5°20'35	22°17	15°42	13° 2	25°14	18°13	8° 7	9°32	7°44	5°28	9° 3	9°14	26°25	1°46	M21
T 22	4 28 24	6°21'38	5♒57	16°11	14°15	25°40	18° 9	8° 9	9°30	7°45	5°27	9° 3	9°11	26°31	1°47	T 22
W23	4 32 20	7°22'41	19°48	16°48	15°28	26° 6	18° 4	8°11	9°28	7°46	5°26	9° 4	9° 8	26°38	1°48	W23
T 24	4 36 17	8°23'45	3♓49	17°31	16°41	26°33	18° 0	8°13	9°26	7°48	5°25	9° 4	9° 5	26°45	1°49	T 24
F 25	4 40 13	9°24'50	17°59	18°20	17°53	27° 0	17°55	8°15	9°23	7°49	5°23	9° 4	9° 2	26°51	1°50	F 25
S 26	4 44 10	10°25'55	2♈15	19°14	19° 6	27°27	17°50	8°17	9°21	7°51	5°22	9° 4	8°58	26°58	1°51	S 26
S 27	4 48 7	11°27'00	16°35	20°13	20°18	27°55	17°45	8°19	9°19	7°52	5°21	9° 4	8°55	27° 5	1°52	S 27
M28	4 52 3	12°28'05	0♉56	21°15	21°30	28°23	17°39	8°20	9°17	7°54	5°20	9° 4	8°52	27°12	1°53	M28
T 29	4 56 0	13°29'11	15°13	22°21	22°43	28°51	17°34	8°22	9°15	7°55	5°19	9° 5	8°49	27°18	1°55	T 29
W30	4 59 56	14♐30'18	29♉22	23♏30	23♑55	29♓19	17♋28	8♍23	9♉14	7♒57	5♋18	9♊ 5	8♊46	27♍25	1♓56	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s26	11n 2	2s50	22s 0	1s37	24s40	1s36	6s 9	1s26	22n23	0n11	10n34	1n43	14n36	0s24	18s42	0s12	21n59	1s26	21n55	22n 6	6n54	5s53	5n24
W 2	16 43	16 30	1 38	21 39	1 22	24 48	1 38	5 59	1 23	22 23	0 11	10 33	1 43	14 36	0 24	18 42	0 12	21 59	1 26	21 55	22 5	6 52	5 54	5 23
T 3	17 1	20 55	0 21	21 14	1 6	24 55	1 40	5 49	1 20	22 23	0 11	10 32	1 43	14 35	0 24	18 42	0 12	21 59	1 26	21 55	22 5	6 49	5 54	5 23
F 4	17 18	24 1	0n55	20 45	0 48	25 2	1 42	5 39	1 17	22 23	0 12	10 30	1 44	14 34	0 24	18 42	0 12	21 59	1 26	21 55	22 4	6 46	5 55	5 23
S 5	17 35	25 37	2 6	20 13	0 29	25 7	1 44	5 28	1 14	22 24	0 12	10 29	1 44	14 33	0 24	18 41	0 12	21 59	1 26	21 55	22 4	6 43	5 55	5 22
S 6	17 51	25 44	3 8	19 38	0 9	25 12	1 46	5 18	1 11	22 24	0 12	10 28	1 44	14 32	0 24	18 41	0 12	21 59	1 26	21 55	22 3	6 40	5 55	5 22
M 7	18 7	24 28	4 0	19 0	0n11	25 17	1 48	5 7	1 8	22 24	0 12	10 27	1 44	14 32	0 24	18 41	0 12	21 59	1 26	21 55	22 3	6 37	5 56	5 22
T 8	18 23	22 3	4 38	18 20	0 32	25 20	1 49	4 56	1 5	22 25	0 12	10 25	1 45	14 31	0 24	18 41	0 12	21 59	1 26	21 56	22 2	6 34	5 56	5 21
W 9	18 39	18 41	5 3	17 40	0 52	25 23	1 51	4 45	1 2	22 25	0 12	10 24	1 45	14 30	0 24	18 40	0 12	21 59	1 26	21 56	22 2	6 31	5 56	5 21
T 10	18 54	14 37	5 15	17 0	1 11	25 25	1 53	4 34	0 59	22 26	0 13	10 23	1 45	14 29	0 24	18 40	0 12	22 0	1 26	21 56	22 1	6 28	5 57	5 20
F 11	19 9	10 2	5 13	16 23	1 29	25 27	1 54	4 23	0 57	22 26	0 13	10 22	1 45	14 29	0 24	18 40	0 12	22 0	1 26	21 55	22 1	6 26	5 57	5 20
S 12	19 23	5 5	4 58	15 47	1 46	25 27	1 55	4 11	0 54	22 27	0 13	10 21	1 46	14 28	0 24	18 40	0 12	22 0	1 26	21 55	22 0	6 23	5 57	5 20
S 13	19 37	0s 5	4 30	15 16	2 0	25 27	1 57	4 0	0 51	22 27	0 13	10 20	1 46	14 27	0 24	18 40	0 12	22 0	1 26	21 55	22 0	6 20	5 57	5 19
M14	19 51	5 17	3 50	14 50	2 12	25 26	1 58	3 48	0 49	22 28	0 13	10 19	1 46	14 26	0 24	18 39	0 12	22 0	1 26	21 55	21 59	6 17	5 57	5 19
T 15	20 5	10 22	2 58	14 28	2 22	25 24	1 59	3 36	0 46	22 28	0 13	10 18	1 46	14 26	0 24	18 39	0 12	22 0	1 26	21 54	21 59	6 14	5 58	5 19
W16	20 18	15 8	1 58	14 11	2 30	25 22	2 0	3 24	0 44	22 29	0 14	10 18	1 47	14 25	0 24	18 39	0 12	22 0	1 26	21 54	21 58	6 11	5 58	5 18
T 17	20 30	19 21	0 51	14 0	2 36	25 19	2 1	3 12	0 41	22 29	0 14	10 17	1 47	14 24	0 24	18 38	0 12	22 0	1 26	21 54	21 58	6 8	5 58	5 18
F 18	20 43	22 43	0s19	13 54	2 40	25 15	2 2	3 0	0 39	22 30	0 14	10 16	1 47	14 24	0 24	18 38	0 12	22 0	1 26	21 54	21 58	6 5	5 58	5 18
S 19	20 55	24 59	1 30	13 52	2 42	25 10	2 3	2 48	0 36	22 31	0 14	10 15	1 47	14 23	0 24	18 38	0 12	22 0	1 26	21 54	21 57	6 2	5 58	5 17
S 20	21 6	25 52	2 38	13 55	2 42	25 4	2 4	2 36	0 34	22 31	0 14	10 15	1 48	14 22	0 24	18 37	0 13	22 0	1 26	21 54	21 57	5 59	5 58	5 17
M21	21 17	25 16	3 38	14 2	2 42	24 58	2 5	2 24	0 32	22 32	0 14	10 14	1 48	14 22	0 24	18 37	0 13	22 0	1 26	21 54	21 56	5 56	5 58	5 16
T 22	21 28	23 9	4 26	14 12	2 40	24 51	2 5	2 11	0 30	22 33	0 15	10 13	1 48	14 21	0 24	18 37	0 13	22 1	1 26	21 54	21 56	5 54	5 58	5 16
W23	21 38	19 40	4 59	14 26	2 37	24 44	2 6	1 58	0 27	22 34	0 15	10 13	1 48	14 20	0 23	18 37	0 13	22 1	1 26	21 54	21 55	5 51	5 58	5 16
T 24	21 48	15 3	5 16	14 41	2 33	24 35	2 6	1 46	0 25	22 35	0 15	10 12	1 49	14 20	0 23	18 36	0 13	22 1	1 25	21 54	21 55	5 48	5 58	5 15
F 25	21 58	9 34	5 13	14 59	2 28	24 26	2 6	1 33	0 23	22 35	0 15	10 12	1 49	14 19	0 23	18 36	0 13	22 1	1 25	21 54	21 54	5 45	5 58	5 15
S 26	22 7	3 34	4 52	15 19	2 23	24 16	2 7	1 20	0 21	22 36	0 15	10 11	1 49	14 18	0 23	18 35	0 13	22 1	1 25	21 54	21 54	5 42	5 58	5 15
S 27	22 15	2n40	4 12	15 41	2 17	24 6	2 7	1 7	0 19	22 37	0 15	10 11	1 49	14 18	0 23	18 35	0 13	22 1	1 25	21 54	21 53	5 39	5 58	5 14
M28	22 23	8 47	3 16	16 3	2 11	23 54	2 7	0 54	0 17	22 38	0 16	10 10	1 50	14 17	0 23	18 35	0 13	22 1	1 25	21 55	21 53	5 36	5 58	5 14
T 29	22 31	14 25	2 9	16 26	2 4	23 43	2 7	0 41	0 15	22 39	0 16	10 10	1 50	14 16	0 23	18 34	0 13	22 1	1 25	21 55	21 52	5 33	5 57	5 14
W30	22s38	19n14	0s54	16s51	1n57	23s30	2s 7	0s28	0s13	22n40	0n16	10n10	1n50	14n16	0s23	18s34	0s13	22n 1	1s25	21n55	21n52	5n30	5s57	5n13

Julian Day Number = 2153452.5, Delta T = 13m57s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'37, Lahiri = 12°28'37 Julian Calendar 1 Nov. 1183 == Greg. Calendar 8 Nov. 1183

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ASTRODIENST EPHEMERIS for the year 1183
geocentric

DECEMBER 1183 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 53	15♐31'25	13♊19	24♏42	25♑ 7	29♓48	17°R23	8♍25	9°R12	7♒58	5°R17	9°R 5	8♊42	27♍32	1♓58	T 1
F 2	5 7 49	16°32'33	27° 0	25°56	26°19	0♈17	17♋17	8°26	9♉10	8° 0	5♋15	9♊ 5	8°39	27°38	1°59	F 2
S 3	5 11 46	17°33'41	10♋23	27°12	27°31	0°46	17°11	8°27	9° 8	8° 1	5°14	9° 4	8°36	27°45	2° 1	S 3
S 4	5 15 43	18°34'49	23°26	28°30	28°43	1°15	17° 4	8°28	9° 6	8° 3	5°13	9° 3	8°33	27°52	2° 2	S 4
M 5	5 19 39	19°35'59	6♌10	29°49	29°55	1°45	16°58	8°29	9° 5	8° 4	5°12	9° 1	8°30	27°59	2° 4	M 5
T 6	5 23 36	20°37'08	18°36	1♐10	1♒ 7	2°15	16°51	8°30	9° 3	8° 6	5°11	9° 0	8°27	28° 5	2° 6	T 6
W 7	5 27 32	21°38'18	0♍47	2°32	2°19	2°45	16°45	8°30	9° 1	8° 8	5° 9	8°58	8°23	28°12	2° 7	W 7
T 8	5 31 29	22°39'29	12°47	3°55	3°31	3°15	16°38	8°31	9° 0	8°10	5° 8	8°57	8°20	28°19	2° 9	T 8
F 9	5 35 25	23°40'40	24°41	5°19	4°42	3°45	16°31	8°31	8°58	8°11	5° 7	8°D57	8°17	28°25	2°11	F 9
S 10	5 39 22	24°41'52	6♎33	6°44	5°54	4°16	16°24	8°32	8°56	8°13	5° 6	8°58	8°14	28°32	2°13	S 10
S 11	5 43 18	25°43'04	18°27	8° 9	7° 5	4°47	16°17	8°32	8°55	8°15	5° 4	8°59	8°11	28°39	2°15	S 11
M12	5 47 15	26°44'16	0♏30	9°36	8°16	5°18	16°10	8°R32	8°53	8°17	5° 3	9° 0	8° 8	28°46	2°17	M12
T 13	5 51 12	27°45'29	12°44	11° 3	9°28	5°49	16° 3	8°32	8°52	8°18	5° 2	9° 2	8° 4	28°52	2°19	T 13
W14	5 55 8	28°46'42	25°14	12°30	10°39	6°20	15°55	8°32	8°51	8°20	5° 1	9° 3	8° 1	28°59	2°21	W14
T 15	5 59 5	29°47'56	8♐ 1	13°59	11°50	6°52	15°48	8°32	8°49	8°22	4°59	9°R 4	7°58	29° 6	2°23	T 15
F 16	6 3 1	0♑49'09	21° 8	15°27	13° 1	7°23	15°40	8°31	8°48	8°24	4°58	9° 3	7°55	29°12	2°26	F 16
S 17	6 6 58	1°50'23	4♑33	16°57	14°12	7°55	15°33	8°31	8°47	8°26	4°57	9° 1	7°52	29°19	2°28	S 17
S 18	6 10 54	2°51'36	18°16	18°26	15°22	8°27	15°25	8°30	8°46	8°28	4°56	8°59	7°48	29°26	2°30	S 18
M19	6 14 51	3°52'49	2♒12	19°57	16°33	8°59	15°17	8°30	8°44	8°30	4°54	8°55	7°45	29°33	2°33	M19
T 20	6 18 47	4°54'02	16°20	21°27	17°44	9°32	15° 9	8°29	8°43	8°32	4°53	8°51	7°42	29°39	2°35	T 20
W21	6 22 44	5°55'14	0♓33	22°58	18°54	10° 4	15° 2	8°28	8°42	8°34	4°52	8°47	7°39	29°46	2°38	W21
T 22	6 26 41	6°56'25	14°48	24°30	20° 4	10°37	14°54	8°27	8°41	8°36	4°51	8°44	7°36	29°53	2°40	T 22
F 23	6 30 37	7°57'36	29° 2	26° 2	21°14	11° 9	14°46	8°26	8°40	8°38	4°49	8°43	7°33	29°59	2°43	F 23
S 24	6 34 34	8°58'47	13♈12	27°34	22°24	11°42	14°38	8°25	8°39	8°40	4°48	8°D43	7°29	0♎ 6	2°45	S 24
S 25	6 38 30	9°59'56	27°16	29° 7	23°34	12°15	14°30	8°23	8°39	8°42	4°47	8°43	7°26	0°13	2°48	S 25
M26	6 42 27	11° 1'05	11♉13	0♑41	24°44	12°48	14°22	8°22	8°38	8°44	4°46	8°45	7°23	0°20	2°50	M26
T 27	6 46 23	12° 2'14	25° 2	2°15	25°53	13°22	14°14	8°21	8°37	8°46	4°44	8°46	7°20	0°26	2°53	T 27
W28	6 50 20	13° 3'21	8♊42	3°49	27° 3	13°55	14° 6	8°19	8°36	8°48	4°43	8°R47	7°17	0°33	2°56	W28
T 29	6 54 16	14° 4'28	22°11	5°24	28°12	14°29	13°57	8°17	8°36	8°50	4°42	8°46	7°14	0°40	2°59	T 29
F 30	6 58 13	15° 5'34	5♋29	6°59	29°21	15° 2	13°49	8°15	8°35	8°52	4°41	8°44	7°10	0°46	3° 2	F 30
S 31	7 2 10	16♑ 6'40	18♋35	8♑35	0♓30	15♈36	13♋41	8♍13	8♉35	8♒54	4♋39	8♊39	7♊ 7	0♎53	3♓ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s45	22n53	0n23	17s15	1n50	23s17	2s 7	0s15	0s11	22n41	0n16	10n10	1n51	14n15	0s23	18s34	0s13	22n 1	1s25	21n55	21n51	5n27	5s57	5n13
F 2	22 52	25 8	1 38	17 40	1 43	23 3	2 6	0 2	0 9	22 42	0 16	10 9	1 51	14 15	0 23	18 33	0 13	22 1	1 25	21 55	21 51	5 24	5 57	5 13
S 3	22 58	25 53	2 45	18 5	1 35	22 48	2 6	0n11	0 8	22 42	0 16	10 9	1 51	14 14	0 23	18 33	0 13	22 2	1 25	21 54	21 50	5 21	5 57	5 12
S 4	23 3	25 8	3 42	18 30	1 27	22 33	2 5	0 25	0 6	22 43	0 17	10 9	1 51	14 14	0 23	18 32	0 13	22 2	1 25	21 54	21 50	5 18	5 56	5 12
M 5	23 8	23 6	4 26	18 54	1 19	22 17	2 5	0 38	0 4	22 44	0 17	10 9	1 52	14 13	0 23	18 32	0 13	22 2	1 25	21 54	21 49	5 15	5 56	5 12
T 6	23 13	20 1	4 57	19 19	1 12	22 1	2 4	0 52	0 2	22 45	0 17	10 9	1 52	14 13	0 23	18 31	0 13	22 2	1 25	21 54	21 49	5 12	5 56	5 11
W 7	23 17	16 7	5 13	19 43	1 4	21 44	2 3	1 5	0 1	22 46	0 17	10 9	1 52	14 12	0 23	18 31	0 13	22 2	1 25	21 54	21 48	5 9	5 55	5 11
T 8	23 20	11 38	5 15	20 7	0 56	21 26	2 2	1 19	0n 1	22 47	0 17	10 9	1 52	14 12	0 23	18 31	0 13	22 2	1 25	21 53	21 48	5 6	5 55	5 11
F 9	23 24	6 46	5 4	20 30	0 48	21 8	2 1	1 32	0 3	22 48	0 17	10 9	1 53	14 11	0 23	18 30	0 13	22 2	1 25	21 53	21 47	5 4	5 55	5 10
S 10	23 26	1 41	4 40	20 52	0 40	20 49	2 0	1 46	0 4	22 49	0 18	10 9	1 53	14 11	0 23	18 30	0 13	22 2	1 25	21 53	21 47	5 1	5 54	5 10
S 11	23 29	3s30	4 4	21 14	0 32	20 30	1 59	2 0	0 6	22 50	0 18	10 9	1 53	14 10	0 23	18 29	0 13	22 2	1 25	21 54	21 46	4 58	5 54	5 10
M12	23 30	8 37	3 17	21 35	0 25	20 10	1 57	2 13	0 7	22 51	0 18	10 9	1 53	14 10	0 23	18 29	0 13	22 2	1 25	21 54	21 46	4 55	5 53	5 9
T 13	23 32	13 30	2 20	21 55	0 17	19 49	1 56	2 27	0 9	22 52	0 18	10 10	1 54	14 9	0 23	18 28	0 13	22 3	1 25	21 54	21 45	4 52	5 53	5 9
W14	23 32	17 56	1 16	22 14	0 10	19 29	1 54	2 41	0 10	22 54	0 18	10 10	1 54	14 9	0 23	18 28	0 13	22 3	1 24	21 54	21 45	4 49	5 53	5 9
T 15	23 33	21 39	0 6	22 33	0 2	19 7	1 53	2 55	0 12	22 55	0 18	10 10	1 54	14 8	0 23	18 27	0 13	22 3	1 24	21 54	21 44	4 46	5 52	5 8
F 16	23 33	24 21	1s 6	22 50	0s 5	18 45	1 51	3 9	0 13	22 56	0 18	10 11	1 55	14 8	0 23	18 27	0 13	22 3	1 24	21 54	21 44	4 43	5 52	5 8
S 17	23 32	25 44	2 16	23 6	0 12	18 23	1 49	3 23	0 15	22 57	0 19	10 11	1 55	14 8	0 23	18 26	0 13	22 3	1 24	21 54	21 43	4 40	5 51	5 8
S 18	23 31	25 35	3 19	23 22	0 19	18 0	1 47	3 37	0 16	22 58	0 19	10 12	1 55	14 7	0 23	18 26	0 13	22 3	1 24	21 54	21 43	4 37	5 51	5 8
M19	23 29	23 50	4 12	23 36	0 26	17 37	1 45	3 51	0 17	22 59	0 19	10 12	1 55	14 7	0 23	18 25	0 13	22 3	1 24	21 53	21 42	4 34	5 50	5 7
T 20	23 27	20 36	4 49	23 49	0 33	17 13	1 43	4 5	0 19	23 0	0 19	10 13	1 56	14 7	0 23	18 25	0 13	22 3	1 24	21 52	21 42	4 31	5 49	5 7
W21	23 25	16 9	5 10	24 1	0 40	16 49	1 40	4 19	0 20	23 1	0 19	10 13	1 56	14 6	0 23	18 24	0 13	22 3	1 24	21 52	21 41	4 28	5 49	5 7
T 22	23 22	10 47	5 11	24 12	0 46	16 24	1 38	4 33	0 21	23 2	0 19	10 14	1 56	14 6	0 23	18 24	0 13	22 4	1 24	21 51	21 40	4 25	5 48	5 6
F 23	23 18	4 52	4 54	24 21	0 52	15 59	1 35	4 47	0 22	23 3	0 20	10 14	1 56	14 6	0 23	18 23	0 13	22 4	1 24	21 51	21 40	4 22	5 48	5 6
S 24	23 14	1n16	4 18	24 30	0 58	15 34	1 33	5 1	0 24	23 4	0 20	10 15	1 57	14 5	0 23	18 23	0 13	22 4	1 24	21 51	21 39	4 19	5 47	5 6
S 25	23 10	7 19	3 28	24 37	1 4	15 8	1 30	5 15	0 25	23 5	0 20	10 16	1 57	14 5	0 23	18 22	0 13	22 4	1 24	21 51	21 39	4 16	5 46	5 6
M26	23 5	12 58	2 25	24 42	1 10	14 42	1 27	5 29	0 26	23 6	0 20	10 17	1 57	14 5	0 23	18 22	0 13	22 4	1 24	21 52	21 38	4 13	5 45	5 5
T 27	23 0	17 54	1 14	24 47	1 15	14 16	1 24	5 43	0 27	23 7	0 20	10 17	1 57	14 5	0 23	18 21	0 13	22 4	1 24	21 52	21 38	4 10	5 45	5 5
W28	22 54	21 51	0 0	24 50	1 20	13 49	1 21	5 57	0 28	23 8	0 20	10 18	1 58	14 5	0 23	18 21	0 13	22 4	1 24	21 52	21 37	4 7	5 44	5 5
T 29	22 48	24 31	1n12	24 51	1 25	13 22	1 18	6 11	0 29	23 9	0 20	10 19	1 58	14 4	0 23	18 20	0 13	22 4	1 24	21 52	21 37	4 4	5 43	5 4
F 30	22 41	25 46	2 20	24 51	1 30	12 55	1 14	6 25	0 30	23 10	0 21	10 20	1 58	14 4	0 23	18 20	0 13	22 4	1 23	21 51	21 36	4 1	5 42	5 4
S 31	22s34	25n32	3n19	24s50	1s34	12s27	1s11	6n39	0n32	23n11	0n21	10n21	1n58	14n 4	0s23	18s19	0s13	22n 4	1s23	21n51	21n36	3n58	5s42	5n 4

Julian Day Number = 2153482.5, Delta T = 13m56s
Ecliptic obliquity = 23°32'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'41, Lahiri = 12°28'42 Julian Calendar 1 Dec. 1183 == Greg. Calendar 8 Dec. 1183

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1184
geocentric

JANUARY 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 6 6	17♉ 7'45	1♌26	10♉12	1♓39	16♈10	13°R33	8°R11	8°R34	8♒57	4°R38	8°R33	7♊ 4	1♎ 0	3♓ 7	S 1
M 2	7 10 3	18° 8'49	14° 3	11°49	2°47	16°44	13♋25	8♍ 9	8♉34	8°59	4♋37	8♊25	7° 1	1° 7	3°10	M 2
T 3	7 13 59	19° 9'53	26°25	13°26	3°56	17°18	13°17	8° 7	8°33	9° 1	4°36	8°18	6°58	1°13	3°13	T 3
W 4	7 17 56	20°10'56	8♍36	15° 4	5° 4	17°52	13° 9	8° 5	8°33	9° 3	4°34	8°11	6°55	1°20	3°16	W 4
T 5	7 21 52	21°11'58	20°36	16°43	6°12	18°26	13° 1	8° 2	8°33	9° 5	4°33	8° 5	6°51	1°27	3°19	T 5
F 6	7 25 49	22°13'00	2♎29	18°22	7°20	19° 0	12°53	8° 0	8°32	9° 7	4°32	8° 0	6°48	1°33	3°23	F 6
S 7	7 29 46	23°14'01	14°20	20° 2	8°27	19°35	12°46	7°57	8°32	9°10	4°31	7°58	6°45	1°40	3°26	S 7
S 8	7 33 42	24°15'02	26°13	21°43	9°35	20° 9	12°38	7°54	8°32	9°12	4°30	7°D57	6°42	1°47	3°29	S 8
M 9	7 37 39	25°16'01	8♏13	23°24	10°42	20°44	12°30	7°52	8°32	9°14	4°28	7°58	6°39	1°54	3°32	M 9
T 10	7 41 35	26°17'01	20°26	25° 6	11°49	21°18	12°22	7°49	8°D32	9°16	4°27	8° 0	6°35	2° 0	3°35	T 10
W11	7 45 32	27°17'59	2♐57	26°49	12°55	21°53	12°15	7°46	8°32	9°18	4°26	8°R 1	6°32	2° 7	3°39	W11
T 12	7 49 28	28°18'57	15°49	28°32	14° 2	22°28	12° 7	7°43	8°32	9°21	4°25	8° 0	6°29	2°14	3°42	T 12
F 13	7 53 25	29°19'54	29° 5	0♒16	15° 8	23° 3	12° 0	7°40	8°32	9°23	4°24	7°58	6°26	2°20	3°45	F 13
S 14	7 57 21	0♒20'50	12♉46	2° 0	16°14	23°38	11°53	7°36	8°32	9°25	4°23	7°54	6°23	2°27	3°49	S 14
S 15	8 1 18	1°21'45	26°51	3°46	17°20	24°13	11°45	7°33	8°33	9°28	4°22	7°47	6°20	2°34	3°52	S 15
M16	8 5 15	2°22'39	11♒15	5°32	18°26	24°48	11°38	7°30	8°33	9°30	4°20	7°38	6°16	2°41	3°55	M16
T 17	8 9 11	3°23'31	25°52	7°18	19°31	25°23	11°31	7°26	8°33	9°32	4°19	7°29	6°13	2°47	3°59	T 17
W18	8 13 8	4°24'22	10♓34	9° 5	20°36	25°58	11°24	7°23	8°34	9°34	4°18	7°20	6°10	2°54	4° 2	W18
T 19	8 17 4	5°25'12	25°14	10°53	21°40	26°34	11°17	7°19	8°34	9°37	4°17	7°13	6° 7	3° 1	4° 6	T 19
F 20	8 21 1	6°26'00	9♈46	12°41	22°45	27° 9	11°11	7°15	8°35	9°39	4°16	7° 7	6° 4	3° 7	4° 9	F 20
S 21	8 24 57	7°26'46	24° 4	14°29	23°49	27°44	11° 4	7°12	8°35	9°41	4°15	7° 4	6° 0	3°14	4°13	S 21
S 22	8 28 54	8°27'31	8♉ 7	16°18	24°53	28°20	10°58	7° 8	8°36	9°43	4°14	7°D 3	5°57	3°21	4°16	S 22
M23	8 32 50	9°28'14	21°54	18° 7	25°56	28°55	10°51	7° 4	8°36	9°46	4°13	7° 4	5°54	3°27	4°20	M23
T 24	8 36 47	10°28'55	5♊26	19°56	26°59	29°31	10°45	7° 0	8°37	9°48	4°12	7°R 4	5°51	3°34	4°23	T 24
W25	8 40 44	11°29'35	18°44	21°45	28° 2	0♉ 7	10°39	6°56	8°38	9°50	4°11	7° 4	5°48	3°41	4°27	W25
T 26	8 44 40	12°30'13	1♋50	23°33	29° 4	0°42	10°33	6°52	8°39	9°53	4°10	7° 1	5°45	3°48	4°31	T 26
F 27	8 48 37	13°30'49	14°45	25°21	0♈ 6	1°18	10°28	6°48	8°39	9°55	4° 9	6°56	5°41	3°54	4°34	F 27
S 28	8 52 33	14°31'24	27°29	27° 8	1° 7	1°54	10°22	6°44	8°40	9°57	4° 8	6°47	5°38	4° 1	4°38	S 28
S 29	8 56 30	15°31'57	10♌ 3	28°54	2° 9	2°30	10°17	6°39	8°41	9°59	4° 7	6°36	5°35	4° 8	4°42	S 29
M30	9 0 26	16°32'28	22°27	0♓38	3° 9	3° 6	10°11	6°35	8°42	10° 2	4° 6	6°24	5°32	4°14	4°45	M30
T 31	9 4 23	17♒32'58	4♍41	2♓20	4♈10	3♉42	10♋ 6	6♍31	8♉43	10♒ 4	4♋ 6	6♊10	5♊29	4♎21	4♓49	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s27	23n57	4n 7	24s47	1s39	11s59	1s 7	6n53	0n33	23n12	0n21	10n22	1n59	14n 4	0s23	18s18	0s13	22n 5	1s23	21n50	21n35	3n55	5s41	5n 4
M 2	22 19	21 11	4 42	24 43	1 42	11 31	1 4	7 7	0 34	23 13	0 21	10 23	1 59	14 4	0 23	18 18	0 13	22 5	1 23	21 48	21 35	3 52	5 40	5 3
T 3	22 10	17 30	5 2	24 37	1 46	11 3	1 0	7 21	0 35	23 14	0 21	10 24	1 59	14 4	0 23	18 17	0 13	22 5	1 23	21 47	21 34	3 49	5 39	5 3
W 4	22 1	13 9	5 9	24 30	1 49	10 34	0 56	7 35	0 36	23 15	0 21	10 25	1 59	14 4	0 22	18 17	0 13	22 5	1 23	21 46	21 34	3 46	5 38	5 3
T 5	21 52	8 21	5 2	24 21	1 52	10 5	0 52	7 49	0 37	23 16	0 21	10 26	2 0	14 4	0 22	18 16	0 13	22 5	1 23	21 45	21 33	3 43	5 38	5 3
F 6	21 42	3 18	4 41	24 11	1 55	9 36	0 48	8 3	0 38	23 16	0 21	10 28	2 0	14 3	0 22	18 16	0 13	22 5	1 23	21 44	21 33	3 40	5 37	5 3
S 7	21 32	1s51	4 9	23 59	1 57	9 7	0 44	8 17	0 39	23 17	0 22	10 29	2 0	14 3	0 22	18 15	0 13	22 5	1 23	21 44	21 32	3 37	5 36	5 2
S 8	21 22	6 58	3 26	23 45	1 59	8 38	0 40	8 31	0 39	23 18	0 22	10 30	2 0	14 3	0 22	18 14	0 13	22 5	1 23	21 44	21 31	3 34	5 35	5 2
M 9	21 11	11 53	2 34	23 30	2 1	8 8	0 36	8 45	0 40	23 19	0 22	10 31	2 1	14 3	0 22	18 14	0 13	22 6	1 23	21 44	21 31	3 31	5 34	5 2
T 10	20 59	16 26	1 33	23 13	2 2	7 38	0 31	8 59	0 41	23 20	0 22	10 33	2 1	14 3	0 22	18 13	0 13	22 6	1 23	21 44	21 30	3 28	5 33	5 2
W11	20 48	20 24	0 27	22 54	2 3	7 9	0 27	9 13	0 42	23 21	0 22	10 34	2 1	14 3	0 22	18 13	0 13	22 6	1 23	21 45	21 30	3 25	5 32	5 1
T 12	20 35	23 29	0s42	22 34	2 4	6 39	0 22	9 27	0 43	23 22	0 22	10 35	2 1	14 4	0 22	18 12	0 13	22 6	1 23	21 44	21 29	3 22	5 31	5 1
F 13	20 23	25 23	1 51	22 12	2 4	6 9	0 17	9 40	0 44	23 22	0 22	10 37	2 1	14 4	0 22	18 12	0 13	22 6	1 22	21 44	21 29	3 19	5 30	5 1
S 14	20 10	25 50	2 55	21 48	2 3	5 38	0 12	9 54	0 45	23 23	0 22	10 38	2 2	14 4	0 22	18 11	0 13	22 6	1 22	21 43	21 28	3 16	5 29	5 1
S 15	19 57	24 40	3 51	21 23	2 3	5 8	0 7	10 8	0 45	23 24	0 23	10 39	2 2	14 4	0 22	18 10	0 13	22 6	1 22	21 42	21 28	3 13	5 28	5 1
M16	19 43	21 51	4 33	20 56	2 1	4 38	0 2	10 22	0 46	23 25	0 23	10 41	2 2	14 4	0 22	18 10	0 13	22 6	1 22	21 41	21 27	3 10	5 27	5 0
T 17	19 29	17 38	4 59	20 27	1 59	4 8	0n 3	10 35	0 47	23 25	0 23	10 42	2 2	14 4	0 22	18 9	0 13	22 6	1 22	21 39	21 27	3 7	5 26	5 0
W18	19 15	12 19	5 4	19 57	1 57	3 37	0 8	10 49	0 48	23 26	0 23	10 44	2 2	14 4	0 22	18 9	0 13	22 7	1 22	21 38	21 26	3 3	5 25	5 0
T 19	19 0	6 20	4 50	19 24	1 54	3 7	0 13	11 2	0 48	23 27	0 23	10 45	2 3	14 4	0 22	18 8	0 13	22 7	1 22	21 37	21 25	3 0	5 24	5 0
F 20	18 45	0 3	4 17	18 51	1 51	2 36	0 19	11 16	0 49	23 27	0 23	10 47	2 3	14 5	0 22	18 7	0 13	22 7	1 22	21 36	21 25	2 57	5 23	5 0
S 21	18 29	6n 9	3 28	18 15	1 46	2 6	0 24	11 29	0 50	23 28	0 23	10 49	2 3	14 5	0 22	18 7	0 13	22 7	1 22	21 35	21 24	2 54	5 21	5 0
S 22	18 14	11 56	2 28	17 38	1 42	1 35	0 30	11 43	0 51	23 29	0 23	10 50	2 3	14 5	0 22	18 6	0 13	22 7	1 22	21 35	21 24	2 51	5 20	4 59
M23	17 58	17 2	1 20	17 0	1 36	1 5	0 36	11 56	0 51	23 29	0 23	10 52	2 3	14 5	0 22	18 6	0 13	22 7	1 22	21 35	21 23	2 48	5 19	4 59
T 24	17 41	21 10	0 9	16 20	1 30	0 34	0 41	12 10	0 52	23 30	0 23	10 53	2 4	14 5	0 22	18 5	0 13	22 7	1 22	21 35	21 23	2 45	5 18	4 59
W25	17 25	24 5	1n 2	15 39	1 24	0 4	0 47	12 23	0 53	23 30	0 24	10 55	2 4	14 6	0 22	18 4	0 13	22 7	1 21	21 35	21 22	2 42	5 17	4 59
T 26	17 8	25 40	2 8	14 56	1 17	0n26	0 53	12 36	0 53	23 31	0 24	10 57	2 4	14 6	0 22	18 4	0 13	22 7	1 21	21 35	21 22	2 39	5 16	4 59
F 27	16 50	25 48	3 6	14 12	1 8	0 57	0 59	12 49	0 54	23 32	0 24	10 59	2 4	14 6	0 22	18 3	0 13	22 8	1 21	21 34	21 21	2 36	5 15	4 59
S 28	16 33	24 35	3 54	13 27	1 0	1 27	1 5	13 2	0 54	23 32	0 24	11 0	2 4	14 7	0 22	18 3	0 13	22 8	1 21	21 32	21 20	2 33	5 13	4 58
S 29	16 15	22 8	4 30	12 42	0 50	1 57	1 12	13 15	0 55	23 33	0 24	11 2	2 4	14 7	0 22	18 2	0 13	22 8	1 21	21 31	21 20	2 30	5 12	4 58
M30	15 57	18 41	4 52	11 55	0 40	2 27	1 18	13 28	0 56	23 33	0 24	11 4	2 5	14 7	0 22	18 1	0 13	22 8	1 21	21 28	21 19	2 27	5 11	4 58
T 31	15s39	14n30	5n 1	11s 9	0s29	2n57	1n24	13n41	0n56	23n34	0n24	11n 5	2n 5	14n 8	0s22	18s 1	0s13	22n 8	1s21	21n26	21n19	2n24	5s10	4n58

Julian Day Number = 2153513.5, Delta T = 13m56s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'45, Lahiri = 12°28'46 Julian Calendar 1 Jan. 1184 == Greg. Calendar 8 Jan. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

FEBRUARY 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 8 19	18♒33'26	16♍46	4♓ 0	5♈ 9	4♉18	10°R 1	6°R26	8♉45	10♒ 6	4°R 5	5°R57	5♊26	4♎28	4♓53	W 1
T 2	9 12 16	19°33'53	28°43	5°36	6° 9	4°54	9♋56	6♍22	8°46	10° 8	4♋ 4	5♊46	5°22	4°35	4°57	T 2
F 3	9 16 13	20°34'18	10♎35	7° 9	7° 8	5°30	9°52	6°17	8°47	10°11	4° 3	5°37	5°19	4°41	5° 0	F 3
S 4	9 20 9	21°34'42	22°24	8°39	8° 6	6° 6	9°47	6°13	8°48	10°13	4° 2	5°30	5°16	4°48	5° 4	S 4
S 5	9 24 6	22°35'04	4♏15	10° 3	9° 4	6°42	9°43	6° 8	8°50	10°15	4° 1	5°27	5°13	4°55	5° 8	S 5
M 6	9 28 2	23°35'25	16°13	11°22	10° 1	7°18	9°39	6° 4	8°51	10°17	4° 1	5°25	5°10	5° 1	5°12	M 6
T 7	9 31 59	24°35'44	28°23	12°35	10°58	7°55	9°35	5°59	8°52	10°20	4° 0	5°25	5° 6	5° 8	5°15	T 7
W 8	9 35 55	25°36'02	10♐49	13°41	11°55	8°31	9°31	5°55	8°54	10°22	3°59	5°25	5° 3	5°15	5°19	W 8
T 9	9 39 52	26°36'19	23°38	14°40	12°50	9° 7	9°28	5°50	8°55	10°24	3°59	5°24	5° 0	5°21	5°23	T 9
F 10	9 43 48	27°36'33	6♑54	15°31	13°45	9°44	9°24	5°45	8°57	10°26	3°58	5°21	4°57	5°28	5°27	F 10
S 11	9 47 45	28°36'47	20°38	16°15	14°40	10°20	9°21	5°40	8°58	10°28	3°57	5°15	4°54	5°35	5°31	S 11
S 12	9 51 42	29°36'58	4♒52	16°49	15°34	10°56	9°18	5°36	9° 0	10°31	3°57	5° 7	4°51	5°42	5°35	S 12
M13	9 55 38	0♓37'08	19°30	17°14	16°27	11°33	9°15	5°31	9° 2	10°33	3°56	4°56	4°47	5°48	5°38	M13
T 14	9 59 35	1°37'16	4♓27	17°30	17°19	12° 9	9°13	5°26	9° 4	10°35	3°55	4°44	4°44	5°55	5°42	T 14
W15	10 3 31	2°37'22	19°33	17°R37	18°11	12°46	9°10	5°22	9° 5	10°37	3°55	4°32	4°41	6° 2	5°46	W15
T 16	10 7 28	3°37'26	4♈38	17°35	19° 2	13°22	9° 8	5°17	9° 7	10°39	3°54	4°22	4°38	6° 8	5°50	T 16
F 17	10 11 24	4°37'28	19°33	17°23	19°53	13°59	9° 6	5°12	9° 9	10°41	3°54	4°15	4°35	6°15	5°54	F 17
S 18	10 15 21	5°37'28	4♉ 9	17° 3	20°42	14°35	9° 4	5° 7	9°11	10°44	3°53	4°10	4°32	6°22	5°58	S 18
S 19	10 19 17	6°37'25	18°23	16°35	21°31	15°12	9° 3	5° 2	9°13	10°46	3°53	4° 8	4°28	6°28	6° 2	S 19
M20	10 23 14	7°37'20	2♊15	15°59	22°19	15°49	9° 1	4°58	9°15	10°48	3°52	4° 8	4°25	6°35	6° 5	M20
T 21	10 27 11	8°37'13	15°44	15°17	23° 6	16°25	9° 0	4°53	9°17	10°50	3°52	4° 8	4°22	6°42	6° 9	T 21
W22	10 31 7	9°37'04	28°53	14°30	23°51	17° 2	8°59	4°48	9°19	10°52	3°51	4° 7	4°19	6°49	6°13	W22
T 23	10 35 4	10°36'53	11♋46	13°38	24°36	17°39	8°58	4°43	9°21	10°54	3°51	4° 4	4°16	6°55	6°17	T 23
F 24	10 39 0	11°36'39	24°25	12°43	25°20	18°15	8°57	4°39	9°23	10°56	3°50	3°58	4°12	7° 2	6°21	F 24
S 25	10 42 57	12°36'23	6♌53	11°46	26° 3	18°52	8°57	4°34	9°26	10°58	3°50	3°49	4° 9	7° 9	6°25	S 25
S 26	10 46 53	13°36'05	19°11	10°49	26°45	19°29	8°57	4°29	9°28	11° 0	3°50	3°38	4° 6	7°15	6°29	S 26
M27	10 50 50	14°35'44	1♍22	9°53	27°26	20° 6	8°D56	4°25	9°30	11° 2	3°49	3°24	4° 3	7°22	6°32	M27
T 28	10 54 46	15°35'22	13°25	8°58	28° 5	20°43	8°57	4°20	9°33	11° 4	3°49	3°10	4° 0	7°29	6°36	T 28
W29	10 58 43	16♓34'57	25♍23	8♓ 6	28♈44	21♉19	8♋57	4♍15	9♉35	11♒ 6	3♋49	2♊57	3♊57	7♎36	6♓40	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s20	9n47	4n56	10s22	0s18	3n26	1n30	13n54	0n57	23n34	0n24	11n 7	2n 5	14n 8	0s22	18s 0	0s13	22n 8	1s21	21n24	21n18	2n21	5s 8	4n58
T 2	15 1	4 45	4 38	9 35	0 5	3 56	1 37	14 7	0 57	23 34	0 24	11 9	2 5	14 9	0 22	18 0	0 13	22 8	1 21	21 22	21 18	2 18	5 7	4 58
F 3	14 42	0s25	4 7	8 48	0n 7	4 25	1 43	14 19	0 58	23 35	0 24	11 11	2 5	14 9	0 22	17 59	0 13	22 8	1 21	21 20	21 17	2 15	5 6	4 58
S 4	14 22	5 34	3 27	8 3	0 21	4 55	1 50	14 32	0 59	23 35	0 24	11 13	2 5	14 9	0 22	17 58	0 13	22 8	1 21	21 19	21 16	2 12	5 5	4 58
S 5	14 3	10 32	2 37	7 18	0 35	5 24	1 57	14 45	0 59	23 36	0 24	11 14	2 5	14 10	0 22	17 58	0 13	22 9	1 21	21 18	21 16	2 9	5 3	4 57
M 6	13 43	15 10	1 40	6 35	0 49	5 53	2 3	14 57	1 0	23 36	0 24	11 16	2 6	14 10	0 22	17 57	0 13	22 9	1 20	21 18	21 15	2 6	5 2	4 57
T 7	13 23	19 17	0 37	5 53	1 4	6 21	2 10	15 9	1 0	23 36	0 25	11 18	2 6	14 11	0 22	17 57	0 13	22 9	1 20	21 18	21 15	2 2	5 1	4 57
W 8	13 3	22 38	0s29	5 14	1 18	6 50	2 17	15 22	1 1	23 37	0 25	11 20	2 6	14 11	0 22	17 56	0 13	22 9	1 20	21 18	21 14	1 59	5 0	4 57
T 9	12 42	24 58	1 35	4 38	1 33	7 18	2 24	15 34	1 1	23 37	0 25	11 22	2 6	14 12	0 22	17 55	0 13	22 9	1 20	21 18	21 14	1 56	4 58	4 57
F 10	12 21	26 0	2 38	4 4	1 48	7 46	2 31	15 46	1 2	23 37	0 25	11 24	2 6	14 12	0 21	17 55	0 13	22 9	1 20	21 17	21 13	1 53	4 57	4 57
S 11	12 1	25 29	3 35	3 34	2 3	8 14	2 38	15 58	1 2	23 38	0 25	11 25	2 6	14 13	0 21	17 54	0 13	22 9	1 20	21 16	21 12	1 50	4 56	4 57
S 12	11 39	23 20	4 20	3 7	2 17	8 41	2 45	16 10	1 2	23 38	0 25	11 27	2 6	14 13	0 21	17 54	0 13	22 9	1 20	21 15	21 12	1 47	4 54	4 57
M13	11 18	19 37	4 49	2 45	2 31	9 8	2 52	16 22	1 3	23 38	0 25	11 29	2 6	14 14	0 21	17 53	0 13	22 9	1 20	21 13	21 11	1 44	4 53	4 57
T 14	10 57	14 34	5 0	2 26	2 44	9 35	2 59	16 33	1 3	23 38	0 25	11 31	2 6	14 15	0 21	17 52	0 13	22 10	1 20	21 11	21 11	1 41	4 52	4 57
W15	10 35	8 35	4 50	2 12	2 57	10 2	3 6	16 45	1 4	23 39	0 25	11 33	2 7	14 15	0 21	17 52	0 13	22 10	1 20	21 9	21 10	1 38	4 50	4 57
T 16	10 13	2 7	4 20	2 3	3 8	10 28	3 13	16 57	1 4	23 39	0 25	11 35	2 7	14 16	0 21	17 51	0 13	22 10	1 20	21 7	21 10	1 35	4 49	4 57
F 17	9 51	4n25	3 32	1 58	3 18	10 54	3 20	17 8	1 5	23 39	0 25	11 37	2 7	14 16	0 21	17 51	0 13	22 10	1 19	21 5	21 9	1 32	4 48	4 57
S 18	9 29	10 35	2 31	1 59	3 26	11 19	3 28	17 19	1 5	23 39	0 25	11 38	2 7	14 17	0 21	17 50	0 13	22 10	1 19	21 4	21 8	1 29	4 46	4 56
S 19	9 7	16 4	1 22	2 3	3 33	11 44	3 35	17 31	1 5	23 39	0 25	11 40	2 7	14 18	0 21	17 50	0 13	22 10	1 19	21 4	21 8	1 26	4 45	4 56
M20	8 45	20 32	0 10	2 13	3 38	12 9	3 42	17 42	1 6	23 40	0 25	11 42	2 7	14 18	0 21	17 49	0 13	22 10	1 19	21 4	21 7	1 22	4 43	4 56
T 21	8 22	23 47	1n 1	2 26	3 41	12 34	3 49	17 53	1 6	23 40	0 25	11 44	2 7	14 19	0 21	17 49	0 13	22 10	1 19	21 4	21 7	1 19	4 42	4 56
W22	8 0	25 39	2 7	2 43	3 42	12 58	3 57	18 4	1 7	23 40	0 25	11 46	2 7	14 20	0 21	17 48	0 13	22 10	1 19	21 4	21 6	1 16	4 41	4 56
T 23	7 37	26 5	3 5	3 4	3 41	13 21	4 4	18 14	1 7	23 40	0 25	11 47	2 7	14 20	0 21	17 47	0 13	22 10	1 19	21 3	21 5	1 13	4 39	4 56
F 24	7 14	25 8	3 52	3 28	3 38	13 44	4 11	18 25	1 7	23 40	0 26	11 49	2 7	14 21	0 21	17 47	0 13	22 11	1 19	21 2	21 5	1 10	4 38	4 56
S 25	6 52	22 57	4 28	3 54	3 33	14 7	4 19	18 36	1 8	23 40	0 26	11 51	2 7	14 22	0 21	17 46	0 13	22 11	1 19	21 0	21 4	1 7	4 37	4 56
S 26	6 29	19 44	4 51	4 21	3 27	14 29	4 26	18 46	1 8	23 40	0 26	11 53	2 7	14 23	0 21	17 46	0 13	22 11	1 19	20 58	21 4	1 4	4 35	4 56
M27	6 5	15 42	5 0	4 51	3 18	14 51	4 33	18 56	1 8	23 40	0 26	11 54	2 7	14 23	0 21	17 45	0 13	22 11	1 19	20 56	21 3	1 1	4 34	4 56
T 28	5 42	11 5	4 55	5 20	3 8	15 12	4 40	19 7	1 9	23 40	0 26	11 56	2 7	14 24	0 21	17 45	0 13	22 11	1 18	20 53	21 3	0 58	4 32	4 56
W29	5s19	6n 5	4n38	5s50	2n57	15n32	4n47	19n17	1n 9	23n40	0n26	11n58	2n 7	14n25	0s21	17s44	0s13	22n11	1s18	20n50	21n 2	0n55	4s31	4n56

Julian Day Number = 2153544.5, Delta T = 13m56s
Ecliptic obliquity = 23°32'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'50, Lahiri = 12°28'50 Julian Calendar 1 Feb. 1184 == Greg. Calendar 8 Feb. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

MARCH 1184 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 39	17♓34'30	7♎16	7°R18	29♈21	21♉56	8♋57	4°R11	9♉37	11♒ 8	3°R49	2°R44	3♊53	7♎42	6♓44	T 1
F 2	11 6 36	18°34'01	19° 6	6♓35	29°56	22°33	8°58	4♍ 6	9°40	11°10	3♋48	2♊35	3°50	7°49	6°48	F 2
S 3	11 10 33	19°33'31	0♏56	5°57	0♉31	23°10	8°59	4° 2	9°42	11°12	3°48	2°28	3°47	7°56	6°51	S 3
S 4	11 14 29	20°32'58	12°48	5°24	1° 4	23°47	9° 0	3°57	9°45	11°13	3°48	2°23	3°44	8° 2	6°55	S 4
M 5	11 18 26	21°32'24	24°46	4°57	1°35	24°24	9° 1	3°53	9°47	11°15	3°48	2°22	3°41	8° 9	6°59	M 5
T 6	11 22 22	22°31'48	6♐55	4°35	2° 5	25° 0	9° 3	3°48	9°50	11°17	3°48	2°D21	3°38	8°16	7° 3	T 6
W 7	11 26 19	23°31'10	19°19	4°20	2°33	25°37	9° 4	3°44	9°52	11°19	3°48	2°R22	3°34	8°22	7° 6	W 7
T 8	11 30 15	24°30'30	2♑ 3	4°11	3° 0	26°14	9° 6	3°40	9°55	11°21	3°48	2°22	3°31	8°29	7°10	T 8
F 9	11 34 12	25°29'49	15°13	4°D 7	3°25	26°51	9° 8	3°36	9°58	11°23	3°48	2°20	3°28	8°36	7°14	F 9
S 10	11 38 8	26°29'06	28°52	4°10	3°48	27°28	9°10	3°31	10° 1	11°24	3°D48	2°16	3°25	8°42	7°17	S 10
S 11	11 42 5	27°28'20	13♒ 0	4°17	4°10	28° 5	9°13	3°27	10° 3	11°26	3°48	2°10	3°22	8°49	7°21	S 11
M12	11 46 2	28°27'33	27°37	4°31	4°29	28°42	9°15	3°23	10° 6	11°28	3°48	2° 1	3°18	8°56	7°25	M12
T 13	11 49 58	29°26'44	12♓37	4°49	4°47	29°19	9°18	3°19	10° 9	11°29	3°48	1°52	3°15	9° 3	7°28	T 13
W14	11 53 55	0♈25'53	27°51	5°12	5° 2	29°56	9°21	3°15	10°12	11°31	3°48	1°42	3°12	9° 9	7°32	W14
T 15	11 57 51	1°25'00	13♈ 8	5°39	5°16	0♊33	9°24	3°11	10°15	11°33	3°48	1°34	3° 9	9°16	7°36	T 15
F 16	12 1 48	2°24'05	28°18	6°11	5°27	1°10	9°27	3° 7	10°17	11°34	3°48	1°28	3° 6	9°23	7°39	F 16
S 17	12 5 44	3°23'08	13♉11	6°47	5°37	1°47	9°31	3° 3	10°20	11°36	3°48	1°24	3° 3	9°29	7°43	S 17
S 18	12 9 41	4°22'08	27°41	7°28	5°44	2°24	9°34	3° 0	10°23	11°37	3°48	1°D23	2°59	9°36	7°46	S 18
M19	12 13 37	5°21'06	11♊45	8°11	5°48	3° 1	9°38	2°56	10°26	11°39	3°48	1°23	2°56	9°43	7°50	M19
T 20	12 17 34	6°20'02	25°21	8°59	5°R51	3°38	9°42	2°53	10°29	11°40	3°49	1°24	2°53	9°49	7°53	T 20
W21	12 21 31	7°18'55	8♋33	9°49	5°51	4°15	9°46	2°49	10°32	11°42	3°49	1°R24	2°50	9°56	7°57	W21
T 22	12 25 27	8°17'46	21°24	10°43	5°48	4°53	9°51	2°46	10°35	11°43	3°49	1°24	2°47	10° 3	8° 0	T 22
F 23	12 29 24	9°16'35	3♌58	11°40	5°43	5°30	9°55	2°42	10°39	11°45	3°49	1°21	2°43	10°10	8° 4	F 23
S 24	12 33 20	10°15'21	16°17	12°40	5°36	6° 7	10° 0	2°39	10°42	11°46	3°50	1°15	2°40	10°16	8° 7	S 24
S 25	12 37 17	11°14'05	28°26	13°42	5°26	6°44	10° 5	2°36	10°45	11°48	3°50	1° 8	2°37	10°23	8°10	S 25
M26	12 41 13	12°12'47	10♍27	14°47	5°14	7°21	10°10	2°33	10°48	11°49	3°51	1° 0	2°34	10°30	8°14	M26
T 27	12 45 10	13°11'27	22°22	15°55	4°59	7°58	10°15	2°30	10°51	11°50	3°51	0°50	2°31	10°36	8°17	T 27
W28	12 49 6	14°10'05	4♎15	17° 5	4°41	8°35	10°20	2°27	10°54	11°52	3°51	0°41	2°28	10°43	8°20	W28
T 29	12 53 3	15° 8'40	16° 6	18°17	4°22	9°12	10°26	2°24	10°57	11°53	3°52	0°33	2°24	10°50	8°24	T 29
F 30	12 57 0	16° 7'14	27°56	19°32	4° 0	9°49	10°31	2°21	11° 1	11°54	3°52	0°27	2°21	10°56	8°27	F 30
S 31	13 0 56	17♈ 5'46	9♏49	20♓49	3♉36	10♊26	10♋37	2♍18	11♉ 4	11♒55	3♋53	0♊23	2♊18	11♎ 3	8♓30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s56	0n54	4n 8	6s19	2n44	15n52	4n55	19n27	1n 9	23n40	0n26	12n 0	2n 7	14n26	0s21	17s44	0s13	22n11	1s18	20n48	21n 1	0n52	4s30	4n56
F 2	4 33	4s19	3 28	6 48	2 31	16 12	5 2	19 37	1 9	23 40	0 26	12 1	2 7	14 26	0 21	17 43	0 14	22 11	1 18	20 46	21 1	0 48	4 28	4 56
S 3	4 9	9 23	2 38	7 15	2 17	16 31	5 9	19 46	1 10	23 40	0 26	12 3	2 7	14 27	0 21	17 43	0 14	22 11	1 18	20 45	21 0	0 45	4 27	4 56
S 4	3 46	14 8	1 42	7 41	2 2	16 49	5 16	19 56	1 10	23 40	0 26	12 5	2 7	14 28	0 21	17 42	0 14	22 11	1 18	20 44	21 0	0 42	4 25	4 56
M 5	3 22	18 24	0 40	8 5	1 47	17 7	5 23	20 5	1 10	23 40	0 26	12 6	2 7	14 29	0 21	17 42	0 14	22 12	1 18	20 44	20 59	0 39	4 24	4 56
T 6	2 59	21 58	0s24	8 27	1 32	17 23	5 29	20 15	1 11	23 40	0 26	12 8	2 7	14 30	0 21	17 41	0 14	22 12	1 18	20 44	20 58	0 36	4 23	4 56
W 7	2 35	24 36	1 29	8 47	1 16	17 40	5 36	20 24	1 11	23 40	0 26	12 9	2 7	14 31	0 21	17 41	0 14	22 12	1 18	20 44	20 58	0 33	4 21	4 56
T 8	2 11	26 3	2 31	9 4	1 1	17 55	5 43	20 33	1 11	23 40	0 26	12 11	2 7	14 31	0 21	17 40	0 14	22 12	1 18	20 44	20 57	0 30	4 20	4 56
F 9	1 48	26 6	3 27	9 19	0 46	18 10	5 49	20 42	1 11	23 40	0 26	12 12	2 7	14 32	0 21	17 40	0 14	22 12	1 18	20 43	20 56	0 27	4 18	4 56
S 10	1 24	24 37	4 14	9 32	0 32	18 24	5 55	20 51	1 12	23 40	0 26	12 14	2 7	14 33	0 21	17 39	0 14	22 12	1 17	20 42	20 56	0 24	4 17	4 56
S 11	1 1	21 34	4 47	9 43	0 17	18 37	6 1	20 59	1 12	23 40	0 26	12 15	2 7	14 34	0 21	17 39	0 14	22 12	1 17	20 41	20 55	0 21	4 16	4 56
M12	0 37	17 5	5 3	9 51	0 4	18 49	6 7	21 8	1 12	23 39	0 26	12 17	2 7	14 35	0 21	17 38	0 14	22 12	1 17	20 40	20 55	0 17	4 14	4 57
T 13	0 13	11 27	4 58	9 56	0s10	19 1	6 13	21 16	1 12	23 39	0 26	12 18	2 7	14 36	0 21	17 38	0 14	22 12	1 17	20 38	20 54	0 14	4 13	4 57
W14	0n10	5 2	4 33	10 0	0 23	19 11	6 19	21 24	1 13	23 39	0 26	12 20	2 7	14 37	0 21	17 37	0 14	22 12	1 17	20 36	20 53	0 11	4 11	4 57
T 15	0 34	1n43	3 48	10 1	0 35	19 21	6 24	21 33	1 13	23 39	0 26	12 21	2 7	14 38	0 21	17 37	0 14	22 13	1 17	20 34	20 53	0 8	4 10	4 57
F 16	0 58	8 19	2 47	10 0	0 47	19 30	6 29	21 41	1 13	23 39	0 26	12 23	2 7	14 39	0 21	17 37	0 14	22 13	1 17	20 33	20 52	0 5	4 9	4 57
S 17	1 21	14 21	1 36	9 57	0 58	19 37	6 34	21 48	1 13	23 38	0 26	12 24	2 7	14 40	0 21	17 36	0 14	22 13	1 17	20 32	20 52	0 2	4 7	4 57
S 18	1 45	19 25	0 20	9 52	1 9	19 44	6 38	21 56	1 13	23 38	0 26	12 25	2 7	14 41	0 21	17 36	0 14	22 13	1 17	20 32	20 51	0s 1	4 6	4 57
M19	2 8	23 12	0n55	9 45	1 19	19 50	6 42	22 3	1 14	23 38	0 26	12 26	2 7	14 42	0 21	17 35	0 14	22 13	1 17	20 32	20 50	0 4	4 5	4 57
T 20	2 32	25 33	2 5	9 36	1 28	19 54	6 46	22 11	1 14	23 38	0 26	12 28	2 7	14 42	0 21	17 35	0 14	22 13	1 17	20 32	20 50	0 7	4 3	4 57
W21	2 55	26 21	3 6	9 25	1 37	19 57	6 49	22 18	1 14	23 37	0 26	12 29	2 7	14 43	0 21	17 35	0 14	22 13	1 16	20 32	20 49	0 11	4 2	4 57
T 22	3 18	25 43	3 55	9 12	1 45	19 59	6 52	22 25	1 14	23 37	0 27	12 30	2 7	14 44	0 21	17 34	0 14	22 13	1 16	20 32	20 49	0 14	4 0	4 57
F 23	3 42	23 46	4 33	8 58	1 53	20 0	6 55	22 32	1 14	23 37	0 27	12 31	2 6	14 45	0 21	17 34	0 14	22 13	1 16	20 31	20 48	0 17	3 59	4 57
S 24	4 5	20 44	4 56	8 41	2 0	19 59	6 57	22 39	1 14	23 37	0 27	12 32	2 6	14 46	0 21	17 33	0 14	22 13	1 16	20 30	20 47	0 20	3 58	4 57
S 25	4 28	16 51	5 6	8 23	2 7	19 57	6 58	22 45	1 15	23 36	0 27	12 33	2 6	14 47	0 21	17 33	0 14	22 13	1 16	20 29	20 47	0 23	3 56	4 58
M26	4 51	12 20	5 2	8 3	2 13	19 53	6 59	22 52	1 15	23 36	0 27	12 34	2 6	14 48	0 21	17 33	0 14	22 13	1 16	20 27	20 46	0 26	3 55	4 58
T 27	5 14	7 24	4 45	7 42	2 18	19 49	7 0	22 58	1 15	23 36	0 27	12 36	2 6	14 49	0 21	17 32	0 14	22 14	1 16	20 25	20 45	0 29	3 54	4 58
W28	5 37	2 13	4 16	7 19	2 23	19 42	6 59	23 4	1 15	23 35	0 27	12 36	2 6	14 50	0 20	17 32	0 14	22 14	1 16	20 23	20 45	0 32	3 52	4 58
T 29	5 59	3s 2	3 36	6 54	2 27	19 35	6 58	23 10	1 15	23 35	0 27	12 37	2 6	14 51	0 20	17 32	0 14	22 14	1 16	20 21	20 44	0 36	3 51	4 58
F 30	6 22	8 12	2 46	6 28	2 31	19 26	6 57	23 16	1 15	23 34	0 27	12 38	2 6	14 52	0 20	17 31	0 14	22 14	1 16	20 20	20 43	0 39	3 50	4 58
S 31	6n45	13s 6	1n49	6s 1	2s34	19n15	6n54	23n21	1n15	23n34	0n27	12n39	2n 6	14n53	0s20	17s31	0s14	22n14	1s16	20n19	20n43	0s42	3s49	4n58

Julian Day Number = 2153573.5, Delta T = 13m56s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'54, Lahiri = 12°28'54 Julian Calendar 1 March 1184 == Greg. Calendar 8 March 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

APRIL 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 53	18♈ 4'16	21♏46	22♓ 7	3°R 9	11♊ 4	10♋43	2°R16	11♉ 7	11♒57	3♋53	0°R21	2♊15	11♎10	8♓33	S 1
M 2	13 8 49	19° 2'44	3♐50	23°28	2♉41	11°41	10°49	2♍13	11°10	11°58	3°54	0°D20	2°12	11°16	8°36	M 2
T 3	13 12 46	20° 1'10	16° 3	24°51	2°11	12°18	10°55	2°11	11°14	11°59	3°54	0♊21	2° 9	11°23	8°39	T 3
W 4	13 16 42	20°59'35	28°31	26°16	1°39	12°55	11° 2	2° 8	11°17	12° 0	3°55	0°23	2° 5	11°30	8°42	W 4
T 5	13 20 39	21°57'59	11♑16	27°43	1° 6	13°32	11° 8	2° 6	11°20	12° 1	3°55	0°24	2° 2	11°37	8°46	T 5
F 6	13 24 35	22°56'20	24°23	29°12	0°31	14° 9	11°15	2° 4	11°24	12° 2	3°56	0°R24	1°59	11°43	8°49	F 6
S 7	13 28 32	23°54'40	7♒55	0♈43	29♈55	14°46	11°22	2° 2	11°27	12° 3	3°57	0°24	1°56	11°50	8°51	S 7
S 8	13 32 29	24°52'59	21°54	2°15	29°18	15°24	11°28	2° 0	11°30	12° 4	3°57	0°21	1°53	11°57	8°54	S 8
M 9	13 36 25	25°51'16	6♓18	3°50	28°41	16° 1	11°36	1°58	11°34	12° 5	3°58	0°17	1°49	12° 3	8°57	M 9
T 10	13 40 22	26°49'31	21° 6	5°26	28° 4	16°38	11°43	1°56	11°37	12° 6	3°59	0°13	1°46	12°10	9° 0	T 10
W11	13 44 18	27°47'44	6♈10	7° 4	27°26	17°15	11°50	1°55	11°41	12° 7	3°59	0° 8	1°43	12°17	9° 3	W11
T 12	13 48 15	28°45'56	21°22	8°44	26°48	17°52	11°58	1°53	11°44	12° 8	4° 0	0° 4	1°40	12°23	9° 6	T 12
F 13	13 52 11	29°44'07	6♉32	10°26	26°11	18°29	12° 5	1°52	11°47	12° 8	4° 1	0° 1	1°37	12°30	9° 9	F 13
S 14	13 56 8	0♉42'15	21°30	12° 9	25°34	19° 7	12°13	1°50	11°51	12° 9	4° 2	29♉59	1°34	12°37	9°11	S 14
S 15	14 0 4	1°40'22	6♊ 8	13°55	24°58	19°44	12°21	1°49	11°54	12°10	4° 2	29°D59	1°30	12°43	9°14	S 15
M16	14 4 1	2°38'27	20°22	15°42	24°23	20°21	12°29	1°48	11°58	12°11	4° 3	0♊ 0	1°27	12°50	9°17	M16
T 17	14 7 58	3°36'30	4♋ 8	17°31	23°49	20°58	12°37	1°47	12° 1	12°11	4° 4	0° 2	1°24	12°57	9°19	T 17
W18	14 11 54	4°34'31	17°28	19°22	23°16	21°35	12°45	1°46	12° 5	12°12	4° 5	0° 3	1°21	13° 4	9°22	W18
T 19	14 15 51	5°32'31	0♌24	21°15	22°46	22°13	12°54	1°45	12° 8	12°13	4° 6	0°R 4	1°18	13°10	9°24	T 19
F 20	14 19 47	6°30'28	12°59	23°10	22°17	22°50	13° 2	1°44	12°12	12°13	4° 7	0° 4	1°15	13°17	9°27	F 20
S 21	14 23 44	7°28'23	25°17	25° 6	21°49	23°27	13°11	1°44	12°15	12°14	4° 8	0° 3	1°11	13°24	9°29	S 21
S 22	14 27 40	8°26'17	7♍23	27° 4	21°24	24° 4	13°19	1°43	12°19	12°14	4° 9	0° 1	1° 8	13°30	9°31	S 22
M23	14 31 37	9°24'08	19°20	29° 5	21° 1	24°42	13°28	1°43	12°22	12°15	4°10	29♉58	1° 5	13°37	9°34	M23
T 24	14 35 33	10°21'58	1♎12	1♉ 6	20°41	25°19	13°37	1°42	12°26	12°15	4°11	29°55	1° 2	13°44	9°36	T 24
W25	14 39 30	11°19'47	13° 2	3°10	20°22	25°56	13°46	1°42	12°29	12°16	4°12	29°52	0°59	13°50	9°38	W25
T 26	14 43 26	12°17'33	24°53	5°15	20° 6	26°33	13°55	1°42	12°33	12°16	4°13	29°49	0°55	13°57	9°40	T 26
F 27	14 47 23	13°15'18	6♏47	7°21	19°53	27°10	14° 5	1°D42	12°36	12°17	4°14	29°47	0°52	14° 4	9°43	F 27
S 28	14 51 20	14°13'02	18°46	9°29	19°41	27°48	14°14	1°42	12°40	12°17	4°15	29°46	0°49	14°10	9°45	S 28
S 29	14 55 16	15°10'45	0♐53	11°38	19°33	28°25	14°24	1°42	12°43	12°17	4°16	29°D46	0°46	14°17	9°47	S 29
M30	14 59 13	16♉ 8'26	13♐ 8	13♉48	19♈26	29♊ 2	14♋33	1♍42	12♉47	12♒18	4♋17	29♉46	0♊43	14♎24	9♓49	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 7	17s32	0n46	5s32	2s36	19n 3	6n51	23n27	1n16	23n33	0n27	12n40	2n 6	14n54	0s20	17s31	0s14	22n14	1s15	20n19	20n42	0s45	3s47	4n58
M 2	7 29	21 19	0s19	5 1	2 38	18 49	6 48	23 32	1 16	23 33	0 27	12 41	2 5	14 56	0 20	17 30	0 14	22 14	1 15	20 19	20 42	0 48	3 46	4 59
T 3	7 52	24 13	1 24	4 29	2 39	18 34	6 43	23 37	1 16	23 32	0 27	12 42	2 5	14 57	0 20	17 30	0 14	22 14	1 15	20 19	20 41	0 51	3 45	4 59
W 4	8 14	25 59	2 27	3 56	2 40	18 18	6 38	23 42	1 16	23 32	0 27	12 42	2 5	14 58	0 20	17 30	0 14	22 14	1 15	20 19	20 40	0 54	3 43	4 59
T 5	8 36	26 27	3 24	3 22	2 41	18 1	6 32	23 47	1 16	23 31	0 27	12 43	2 5	14 59	0 20	17 29	0 14	22 14	1 15	20 20	20 40	0 57	3 42	4 59
F 6	8 57	25 28	4 12	2 46	2 40	17 42	6 25	23 52	1 16	23 31	0 27	12 44	2 5	15 0	0 20	17 29	0 14	22 14	1 15	20 20	20 39	1 1	3 41	4 59
S 7	9 19	23 0	4 48	2 9	2 39	17 22	6 17	23 56	1 16	23 30	0 27	12 44	2 5	15 1	0 20	17 29	0 14	22 14	1 15	20 19	20 38	1 4	3 40	4 59
S 8	9 41	19 8	5 8	1 31	2 38	17 1	6 9	24 0	1 16	23 30	0 27	12 45	2 5	15 2	0 20	17 29	0 14	22 14	1 15	20 19	20 38	1 7	3 38	4 59
M 9	10 2	14 2	5 10	0 51	2 36	16 39	6 0	24 4	1 16	23 29	0 27	12 46	2 5	15 3	0 20	17 28	0 14	22 14	1 15	20 18	20 37	1 10	3 37	5 0
T 10	10 23	8 0	4 51	0 11	2 34	16 16	5 50	24 8	1 16	23 29	0 27	12 46	2 5	15 4	0 20	17 28	0 14	22 15	1 15	20 17	20 37	1 13	3 36	5 0
W11	10 44	1 24	4 13	0n31	2 31	15 52	5 39	24 12	1 17	23 28	0 27	12 47	2 4	15 5	0 20	17 28	0 14	22 15	1 15	20 16	20 36	1 16	3 35	5 0
T 12	11 5	5n21	3 16	1 14	2 27	15 28	5 28	24 16	1 17	23 27	0 27	12 47	2 4	15 6	0 20	17 28	0 14	22 15	1 14	20 15	20 35	1 19	3 34	5 0
F 13	11 26	11 48	2 5	1 58	2 23	15 3	5 17	24 19	1 17	23 27	0 27	12 47	2 4	15 7	0 20	17 28	0 14	22 15	1 14	20 15	20 35	1 23	3 32	5 0
S 14	11 46	17 28	0 46	2 42	2 18	14 38	5 4	24 22	1 17	23 26	0 27	12 48	2 4	15 8	0 20	17 27	0 14	22 15	1 14	20 14	20 34	1 26	3 31	5 0
S 15	12 6	21 59	0n34	3 28	2 13	14 13	4 52	24 25	1 17	23 25	0 27	12 48	2 4	15 9	0 20	17 27	0 14	22 15	1 14	20 14	20 33	1 29	3 30	5 1
M16	12 27	25 1	1 50	4 15	2 7	13 48	4 39	24 28	1 17	23 25	0 27	12 48	2 4	15 10	0 20	17 27	0 14	22 15	1 14	20 15	20 33	1 32	3 29	5 1
T 17	12 47	26 25	2 57	5 2	2 1	13 23	4 25	24 31	1 17	23 24	0 27	12 49	2 4	15 11	0 20	17 27	0 14	22 15	1 14	20 15	20 32	1 35	3 28	5 1
W18	13 6	26 14	3 52	5 51	1 55	12 58	4 12	24 33	1 17	23 23	0 27	12 49	2 3	15 12	0 20	17 27	0 14	22 15	1 14	20 15	20 31	1 38	3 27	5 1
T 19	13 26	24 36	4 33	6 40	1 47	12 34	3 58	24 36	1 17	23 22	0 27	12 49	2 3	15 14	0 20	17 26	0 14	22 15	1 14	20 15	20 31	1 41	3 26	5 1
F 20	13 45	21 47	5 1	7 30	1 40	12 10	3 43	24 38	1 17	23 21	0 27	12 49	2 3	15 15	0 20	17 26	0 14	22 15	1 14	20 15	20 30	1 45	3 24	5 1
S 21	14 4	18 4	5 13	8 20	1 32	11 46	3 29	24 40	1 17	23 21	0 27	12 49	2 3	15 16	0 20	17 26	0 14	22 15	1 14	20 15	20 29	1 48	3 23	5 2
S 22	14 23	13 39	5 12	9 11	1 23	11 23	3 15	24 42	1 17	23 20	0 27	12 49	2 3	15 17	0 20	17 26	0 14	22 15	1 14	20 15	20 29	1 51	3 22	5 2
M23	14 41	8 47	4 57	10 2	1 14	11 2	3 1	24 43	1 17	23 19	0 27	12 49	2 3	15 18	0 20	17 26	0 14	22 15	1 14	20 14	20 28	1 54	3 21	5 2
T 24	15 0	3 38	4 29	10 54	1 5	10 40	2 46	24 45	1 17	23 18	0 27	12 49	2 3	15 19	0 20	17 26	0 14	22 15	1 13	20 13	20 27	1 57	3 20	5 2
W25	15 18	1s38	3 50	11 45	0 56	10 20	2 32	24 46	1 17	23 17	0 27	12 49	2 2	15 20	0 20	17 26	0 14	22 15	1 13	20 13	20 27	2 0	3 19	5 2
T 26	15 36	6 52	3 1	12 37	0 46	10 1	2 18	24 47	1 17	23 16	0 28	12 49	2 2	15 21	0 20	17 26	0 14	22 15	1 13	20 12	20 26	2 3	3 18	5 3
F 27	15 53	11 54	2 4	13 28	0 36	9 43	2 4	24 48	1 17	23 15	0 28	12 49	2 2	15 22	0 20	17 25	0 15	22 16	1 13	20 12	20 25	2 7	3 17	5 3
S 28	16 11	16 31	1 0	14 19	0 25	9 26	1 50	24 49	1 17	23 14	0 28	12 49	2 2	15 23	0 20	17 25	0 15	22 16	1 13	20 11	20 25	2 10	3 16	5 3
S 29	16 28	20 32	0s 6	15 9	0 15	9 10	1 37	24 49	1 17	23 13	0 28	12 49	2 2	15 24	0 20	17 25	0 15	22 16	1 13	20 11	20 24	2 13	3 15	5 3
M30	16n44	23s41	1s13	15n59	0s 4	8n56	1n24	24n50	1n17	23n12	0n28	12n48	2n 2	15n25	0s20	17s25	0s15	22n16	1s13	20n12	20n23	2s16	3s14	5n 3

Julian Day Number = 2153604.5, Delta T = 13m56s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°21'58, Lahiri = 12°28'58 Julian Calendar 1 Apr. 1184 == Greg. Calendar 8 Apr. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

MAY 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 9	17♉ 6'06	25♐35	15♉58	19°R22	29♊39	14♋43	1♍43	12♉50	12♒18	4♋18	29♉47	0♊40	14♎30	9♓51	T 1
W 2	15 7 6	18° 3'44	8♑14	18°10	19°D21	0♋17	14°53	1°43	12°54	12°18	4°19	29°48	0°36	14°37	9°53	W 2
T 3	15 11 2	19° 1'22	21° 9	20°21	19♈22	0°54	15° 2	1°44	12°57	12°18	4°20	29°49	0°33	14°44	9°54	T 3
F 4	15 14 59	19°58'59	4♒21	22°33	19°25	1°31	15°12	1°45	13° 0	12°18	4°21	29°50	0°30	14°51	9°56	F 4
S 5	15 18 56	20°56'34	17°52	24°44	19°30	2° 8	15°22	1°45	13° 4	12°18	4°23	29°R50	0°27	14°57	9°58	S 5
S 6	15 22 52	21°54'09	1♓44	26°55	19°38	2°46	15°33	1°46	13° 7	12°19	4°24	29°50	0°24	15° 4	10° 0	S 6
M 7	15 26 49	22°51'43	15°56	29° 5	19°48	3°23	15°43	1°47	13°11	12°19	4°25	29°50	0°20	15°11	10° 1	M 7
T 8	15 30 45	23°49'16	0♈26	1♊14	20° 0	4° 0	15°53	1°48	13°14	12°R19	4°26	29°49	0°17	15°17	10° 3	T 8
W 9	15 34 42	24°46'47	15°10	3°21	20°14	4°37	16° 4	1°49	13°18	12°19	4°27	29°48	0°14	15°24	10° 5	W 9
T 10	15 38 38	25°44'19	0♉ 3	5°27	20°30	5°15	16°14	1°51	13°21	12°19	4°29	29°48	0°11	15°31	10° 6	T 10
F 11	15 42 35	26°41'49	14°56	7°32	20°48	5°52	16°25	1°52	13°25	12°18	4°30	29°48	0° 8	15°37	10° 8	F 11
S 12	15 46 31	27°39'18	29°44	9°34	21° 7	6°29	16°35	1°54	13°28	12°18	4°31	29°D48	0° 5	15°44	10° 9	S 12
S 13	15 50 28	28°36'46	14♊17	11°34	21°29	7° 6	16°46	1°55	13°31	12°18	4°32	29°48	0° 1	15°51	10°10	S 13
M14	15 54 25	29°34'13	28°30	13°32	21°52	7°44	16°57	1°57	13°35	12°18	4°34	29°R48	29♉58	15°57	10°12	M14
T 15	15 58 21	0♊31'39	12♋20	15°28	22°17	8°21	17° 8	1°59	13°38	12°18	4°35	29°48	29°55	16° 4	10°13	T 15
W16	16 2 18	1°29'04	25°46	17°22	22°43	8°58	17°19	2° 1	13°42	12°18	4°36	29°48	29°52	16°11	10°14	W16
T 17	16 6 14	2°26'28	8♌46	19°13	23°11	9°36	17°30	2° 3	13°45	12°17	4°38	29°47	29°49	16°17	10°15	T 17
F 18	16 10 11	3°23'51	21°25	21° 1	23°41	10°13	17°41	2° 5	13°48	12°17	4°39	29°47	29°46	16°24	10°16	F 18
S 19	16 14 7	4°21'12	3♍46	22°47	24°12	10°50	17°52	2° 7	13°52	12°17	4°40	29°D47	29°42	16°31	10°17	S 19
S 20	16 18 4	5°18'32	15°52	24°30	24°44	11°28	18° 4	2° 9	13°55	12°16	4°42	29°47	29°39	16°37	10°18	S 20
M21	16 22 0	6°15'51	27°49	26°11	25°18	12° 5	18°15	2°12	13°58	12°16	4°43	29°48	29°36	16°44	10°19	M21
T 22	16 25 57	7°13'10	9♎40	27°49	25°53	12°42	18°26	2°14	14° 2	12°15	4°45	29°48	29°33	16°51	10°20	T 22
W23	16 29 54	8°10'27	21°30	29°24	26°29	13°20	18°38	2°17	14° 5	12°15	4°46	29°49	29°30	16°57	10°21	W23
T 24	16 33 50	9° 7'43	3♏23	0♋56	27° 6	13°57	18°49	2°20	14° 8	12°14	4°47	29°50	29°26	17° 4	10°22	T 24
F 25	16 37 47	10° 4'59	15°22	2°26	27°45	14°34	19° 1	2°22	14°11	12°14	4°49	29°51	29°23	17°11	10°23	F 25
S 26	16 41 43	11° 2'14	27°31	3°54	28°24	15°12	19°13	2°25	14°14	12°13	4°50	29°R51	29°20	17°18	10°23	S 26
S 27	16 45 40	11°59'28	9♐50	5°18	29° 5	15°49	19°25	2°28	14°18	12°13	4°52	29°51	29°17	17°24	10°24	S 27
M28	16 49 36	12°56'41	22°21	6°40	29°47	16°26	19°36	2°31	14°21	12°12	4°53	29°50	29°14	17°31	10°24	M28
T 29	16 53 33	13°53'55	5♑ 7	7°58	0♉29	17° 4	19°48	2°34	14°24	12°12	4°55	29°49	29°11	17°38	10°25	T 29
W30	16 57 29	14°51'08	18° 6	9°14	1°13	17°41	20° 0	2°38	14°27	12°11	4°56	29°47	29° 7	17°44	10°25	W30
T 31	17 1 26	15♊48'20	1♒19	10♋27	1♉57	18♋18	20♋12	2♍41	14♉30	12♒10	4♋58	29♉45	29♉ 4	17♎51	10♓26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 1	25s46	2s18	16n48	0n 6	8n42	1n11	24n50	1n17	23n11	0n28	12n48	2n 2	15n26	0s20	17s25	0s15	22n16	1s13	20n12	20n23	2s19	3s13	5n 4
W 2	17 17	26 34	3 17	17 35	0 17	8 30	0 58	24 50	1 17	23 10	0 28	12 48	2 1	15 27	0 20	17 25	0 15	22 16	1 13	20 12	20 22	2 22	3 12	5 4
T 3	17 33	25 57	4 8	18 21	0 27	8 19	0 46	24 50	1 17	23 9	0 28	12 48	2 1	15 29	0 20	17 25	0 15	22 16	1 13	20 12	20 21	2 25	3 12	5 4
F 4	17 49	23 53	4 46	19 6	0 37	8 9	0 34	24 49	1 17	23 8	0 28	12 47	2 1	15 30	0 20	17 25	0 15	22 16	1 13	20 12	20 21	2 29	3 11	5 4
S 5	18 4	20 27	5 10	19 48	0 47	8 0	0 22	24 49	1 17	23 7	0 28	12 47	2 1	15 31	0 20	17 25	0 15	22 16	1 13	20 12	20 20	2 32	3 10	5 5
S 6	18 19	15 50	5 17	20 29	0 57	7 53	0 11	24 48	1 17	23 6	0 28	12 46	2 1	15 32	0 20	17 25	0 15	22 16	1 12	20 12	20 19	2 35	3 9	5 5
M 7	18 34	10 15	5 5	21 7	1 6	7 46	0s 0	24 47	1 17	23 5	0 28	12 46	2 1	15 33	0 20	17 25	0 15	22 16	1 12	20 12	20 19	2 38	3 8	5 5
T 8	18 49	4 0	4 33	21 43	1 15	7 41	0 11	24 46	1 17	23 3	0 28	12 45	2 0	15 34	0 20	17 25	0 15	22 16	1 12	20 12	20 18	2 41	3 7	5 5
W 9	19 3	2n34	3 43	22 17	1 23	7 37	0 21	24 45	1 17	23 2	0 28	12 45	2 0	15 35	0 20	17 25	0 15	22 16	1 12	20 12	20 17	2 44	3 7	5 6
T 10	19 17	9 5	2 38	22 48	1 31	7 34	0 31	24 44	1 17	23 1	0 28	12 44	2 0	15 36	0 20	17 25	0 15	22 16	1 12	20 12	20 17	2 47	3 6	5 6
F 11	19 30	15 6	1 22	23 16	1 38	7 32	0 41	24 42	1 17	23 0	0 28	12 43	2 0	15 37	0 20	17 25	0 15	22 16	1 12	20 12	20 16	2 51	3 5	5 6
S 12	19 43	20 11	0 0	23 42	1 44	7 31	0 50	24 40	1 17	22 59	0 28	12 43	2 0	15 38	0 20	17 25	0 15	22 16	1 12	20 12	20 15	2 54	3 4	5 6
S 13	19 56	23 56	1n20	24 5	1 50	7 30	0 59	24 38	1 17	22 57	0 28	12 42	2 0	15 39	0 20	17 25	0 15	22 16	1 12	20 12	20 15	2 57	3 3	5 6
M14	20 9	26 5	2 33	24 25	1 54	7 31	1 7	24 36	1 17	22 56	0 28	12 41	2 0	15 40	0 20	17 25	0 15	22 16	1 12	20 12	20 14	3 0	3 3	5 7
T 15	20 21	26 32	3 35	24 43	1 59	7 33	1 15	24 34	1 17	22 55	0 28	12 40	1 59	15 41	0 20	17 25	0 15	22 16	1 12	20 12	20 13	3 3	3 2	5 7
W16	20 33	25 24	4 23	24 58	2 2	7 35	1 23	24 31	1 17	22 53	0 28	12 40	1 59	15 42	0 20	17 26	0 15	22 16	1 12	20 12	20 13	3 6	3 1	5 7
T 17	20 45	22 54	4 56	25 11	2 5	7 39	1 31	24 28	1 17	22 52	0 28	12 39	1 59	15 43	0 20	17 26	0 15	22 16	1 12	20 12	20 12	3 10	3 1	5 7
F 18	20 56	19 22	5 14	25 21	2 7	7 43	1 38	24 26	1 17	22 50	0 28	12 38	1 59	15 44	0 20	17 26	0 15	22 16	1 12	20 12	20 11	3 13	3 0	5 8
S 19	21 7	15 5	5 16	25 29	2 8	7 48	1 45	24 23	1 17	22 49	0 28	12 37	1 59	15 45	0 20	17 26	0 15	22 16	1 11	20 12	20 11	3 16	2 59	5 8
S 20	21 17	10 16	5 5	25 34	2 8	7 54	1 52	24 19	1 17	22 47	0 28	12 36	1 59	15 46	0 20	17 26	0 15	22 16	1 11	20 12	20 10	3 19	2 59	5 8
M21	21 27	5 9	4 40	25 37	2 8	8 0	1 58	24 16	1 17	22 46	0 28	12 35	1 59	15 47	0 20	17 26	0 15	22 16	1 11	20 12	20 9	3 22	2 58	5 8
T 22	21 37	0s 7	4 4	25 38	2 7	8 7	2 4	24 12	1 17	22 44	0 28	12 34	1 58	15 48	0 20	17 26	0 15	22 16	1 11	20 12	20 9	3 25	2 58	5 9
W23	21 46	5 23	3 17	25 38	2 5	8 15	2 10	24 9	1 16	22 43	0 29	12 33	1 58	15 49	0 20	17 26	0 15	22 16	1 11	20 12	20 8	3 28	2 57	5 9
T 24	21 55	10 29	2 21	25 35	2 2	8 23	2 15	24 5	1 16	22 41	0 29	12 32	1 58	15 50	0 20	17 27	0 15	22 16	1 11	20 12	20 7	3 32	2 57	5 9
F 25	22 4	15 15	1 19	25 30	1 59	8 32	2 20	24 1	1 16	22 40	0 29	12 31	1 58	15 51	0 20	17 27	0 15	22 16	1 11	20 12	20 7	3 35	2 56	5 9
S 26	22 12	19 29	0 13	25 24	1 55	8 42	2 25	23 56	1 16	22 38	0 29	12 29	1 58	15 52	0 20	17 27	0 15	22 17	1 11	20 13	20 6	3 38	2 56	5 10
S 27	22 20	22 56	0s55	25 17	1 50	8 52	2 30	23 52	1 16	22 36	0 29	12 28	1 58	15 53	0 20	17 27	0 15	22 17	1 11	20 12	20 5	3 41	2 55	5 10
M28	22 27	25 21	2 1	25 7	1 45	9 2	2 34	23 47	1 16	22 35	0 29	12 27	1 57	15 54	0 20	17 27	0 15	22 17	1 11	20 12	20 5	3 44	2 55	5 10
T 29	22 34	26 30	3 3	24 57	1 39	9 13	2 38	23 43	1 16	22 33	0 29	12 26	1 57	15 55	0 20	17 28	0 15	22 17	1 11	20 12	20 4	3 47	2 54	5 10
W30	22 41	26 13	3 56	24 45	1 32	9 25	2 42	23 38	1 16	22 31	0 29	12 24	1 57	15 56	0 20	17 28	0 15	22 17	1 11	20 12	20 3	3 51	2 54	5 11
T 31	22n47	24s28	4s38	24n32	1n25	9n37	2s46	23n32	1n16	22n30	0n29	12n23	1n57	15n57	0s20	17s28	0s15	22n17	1s11	20n11	20n 2	3s54	2s54	5n11

Julian Day Number = 2153634.5, Delta T = 13m56s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'02, Lahiri = 12°29'02 Julian Calendar 1 May 1184 == Greg. Calendar 8 May 1184

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1184
geocentric

JUNE 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 5 23	16♊45'32	14♒46	11♋37	2♉43	18♋56	20♋24	2♍44	14♉33	12°R 9	4♋59	29°R42	29♉ 1	17♎58	10♓26	F 1
S 2	17 9 19	17°42'44	28°27	12°44	3°29	19°33	20°36	2°48	14°36	12♒ 9	5° 0	29♉41	28°58	18° 4	10°26	S 2
S 3	17 13 16	18°39'56	12♓20	13°48	4°16	20°11	20°48	2°51	14°39	12° 8	5° 2	29°D40	28°55	18°11	10°27	S 3
M 4	17 17 12	19°37'08	26°26	14°49	5° 4	20°48	21° 1	2°55	14°42	12° 7	5° 3	29°40	28°52	18°18	10°27	M 4
T 5	17 21 9	20°34'20	10♈41	15°46	5°52	21°25	21°13	2°59	14°45	12° 6	5° 5	29°41	28°48	18°24	10°27	T 5
W 6	17 25 5	21°31'31	25° 5	16°40	6°42	22° 3	21°25	3° 3	14°48	12° 5	5° 7	29°42	28°45	18°31	10°R27	W 6
T 7	17 29 2	22°28'43	9♉33	17°30	7°31	22°40	21°37	3° 6	14°51	12° 4	5° 8	29°43	28°42	18°38	10°27	T 7
F 8	17 32 58	23°25'55	24° 2	18°17	8°22	23°18	21°50	3°10	14°54	12° 4	5°10	29°R44	28°39	18°44	10°27	F 8
S 9	17 36 55	24°23'07	8♊27	19° 1	9°13	23°55	22° 2	3°15	14°57	12° 3	5°11	29°44	28°36	18°51	10°27	S 9
S 10	17 40 52	25°20'19	22°42	19°40	10° 5	24°32	22°15	3°19	15° 0	12° 2	5°13	29°43	28°32	18°58	10°26	S 10
M11	17 44 48	26°17'31	6♋43	20°15	10°58	25°10	22°27	3°23	15° 3	12° 1	5°14	29°40	28°29	19° 4	10°26	M11
T 12	17 48 45	27°14'42	20°26	20°47	11°51	25°47	22°40	3°27	15° 6	12° 0	5°16	29°36	28°26	19°11	10°26	T 12
W13	17 52 41	28°11'54	3♌48	21°14	12°44	26°25	22°52	3°32	15° 8	11°59	5°17	29°32	28°23	19°18	10°26	W13
T 14	17 56 38	29° 9'05	16°49	21°37	13°39	27° 2	23° 5	3°36	15°11	11°58	5°19	29°28	28°20	19°24	10°25	T 14
F 15	18 0 34	0♍ 6'16	29°29	21°55	14°33	27°40	23°18	3°41	15°14	11°56	5°20	29°24	28°17	19°31	10°25	F 15
S 16	18 4 31	1° 3'27	11♍51	22° 9	15°28	28°17	23°30	3°45	15°17	11°55	5°22	29°21	28°13	19°38	10°24	S 16
S 17	18 8 28	2° 0'37	23°58	22°18	16°24	28°55	23°43	3°50	15°19	11°54	5°23	29°19	28°10	19°44	10°24	S 17
M18	18 12 24	2°57'48	5♎55	22°R23	17°20	29°32	23°56	3°55	15°22	11°53	5°25	29°D19	28° 7	19°51	10°23	M18
T 19	18 16 21	3°54'58	17°46	22°23	18°17	0♌10	24° 9	4° 0	15°24	11°52	5°27	29°20	28° 4	19°58	10°22	T 19
W20	18 20 17	4°52'08	29°37	22°18	19°14	0°48	24°21	4° 5	15°27	11°51	5°28	29°21	28° 1	20° 5	10°22	W20
T 21	18 24 14	5°49'18	11♏32	22° 9	20°11	1°25	24°34	4°10	15°29	11°49	5°30	29°23	27°58	20°11	10°21	T 21
F 22	18 28 10	6°46'29	23°35	21°54	21° 9	2° 3	24°47	4°15	15°32	11°48	5°31	29°R24	27°54	20°18	10°20	F 22
S 23	18 32 7	7°43'39	5♐52	21°36	22° 7	2°40	25° 0	4°20	15°34	11°47	5°33	29°24	27°51	20°25	10°19	S 23
S 24	18 36 3	8°40'50	18°23	21°13	23° 5	3°18	25°13	4°25	15°37	11°46	5°34	29°22	27°48	20°31	10°18	S 24
M25	18 40 0	9°38'01	1♑12	20°46	24° 4	3°55	25°26	4°30	15°39	11°44	5°36	29°19	27°45	20°38	10°17	M25
T 26	18 43 57	10°35'12	14°18	20°16	25° 4	4°33	25°39	4°36	15°42	11°43	5°37	29°14	27°42	20°45	10°16	T 26
W27	18 47 53	11°32'23	27°41	19°42	26° 3	5°11	25°52	4°41	15°44	11°42	5°39	29° 8	27°38	20°51	10°15	W27
T 28	18 51 50	12°29'35	11♒20	19° 5	27° 3	5°48	26° 5	4°46	15°46	11°40	5°40	29° 1	27°35	20°58	10°14	T 28
F 29	18 55 46	13°26'48	25°10	18°27	28° 4	6°26	26°18	4°52	15°48	11°39	5°42	28°54	27°32	21° 5	10°13	F 29
S 30	18 59 43	14♋24'01	9♓10	17♋46	29♉ 5	7♌ 3	26♋31	4♍57	15♉51	11♒37	5♋44	28♉48	27♉29	21♎11	10♓12	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n53	21s20	5s 5	24n18	1n17	9n49	2s49	23n27	1n16	22n28	0n29	12n22	1n57	15n57	0s20	17s28	0s15	22n17	1s11	20n11	20n 2	3s57	2s53	5n11
S 2	22 59	16 59	5 15	24 3	1 8	10 2	2 52	23 22	1 16	22 26	0 29	12 20	1 57	15 58	0 20	17 28	0 15	22 17	1 10	20 10	20 1	4 0	2 53	5 11
S 3	23 4	11 42	5 8	23 48	0 58	10 15	2 55	23 16	1 16	22 24	0 29	12 19	1 57	15 59	0 20	17 29	0 15	22 17	1 10	20 10	20 0	4 3	2 53	5 12
M 4	23 8	5 44	4 42	23 31	0 48	10 28	2 58	23 10	1 15	22 23	0 29	12 17	1 57	16 0	0 20	17 29	0 15	22 17	1 10	20 10	20 0	4 6	2 52	5 12
T 5	23 13	0n36	3 58	23 14	0 38	10 42	3 1	23 4	1 15	22 21	0 29	12 16	1 56	16 1	0 20	17 29	0 15	22 17	1 10	20 10	19 59	4 9	2 52	5 12
W 6	23 16	6 58	2 59	22 57	0 27	10 56	3 3	22 58	1 15	22 19	0 29	12 14	1 56	16 2	0 20	17 29	0 15	22 17	1 10	20 11	19 58	4 13	2 52	5 12
T 7	23 20	13 1	1 49	22 39	0 15	11 10	3 5	22 52	1 15	22 17	0 29	12 13	1 56	16 3	0 20	17 30	0 15	22 17	1 10	20 11	19 58	4 16	2 52	5 13
F 8	23 23	18 22	0 31	22 20	0 3	11 25	3 7	22 45	1 15	22 15	0 29	12 11	1 56	16 4	0 20	17 30	0 15	22 17	1 10	20 11	19 57	4 19	2 51	5 13
S 9	23 26	22 36	0n48	22 2	0s10	11 39	3 9	22 39	1 15	22 13	0 29	12 10	1 56	16 5	0 20	17 30	0 15	22 17	1 10	20 11	19 56	4 22	2 51	5 13
S 10	23 28	25 23	2 3	21 43	0 23	11 54	3 10	22 32	1 15	22 11	0 29	12 8	1 56	16 5	0 20	17 31	0 15	22 17	1 10	20 11	19 55	4 25	2 51	5 13
M11	23 30	26 31	3 9	21 25	0 37	12 9	3 11	22 25	1 15	22 9	0 29	12 6	1 56	16 6	0 20	17 31	0 15	22 17	1 10	20 10	19 55	4 28	2 51	5 14
T 12	23 31	25 59	4 3	21 6	0 51	12 24	3 13	22 18	1 15	22 7	0 30	12 5	1 55	16 7	0 20	17 31	0 15	22 17	1 10	20 9	19 54	4 32	2 51	5 14
W13	23 32	23 57	4 42	20 48	1 5	12 39	3 14	22 11	1 14	22 5	0 30	12 3	1 55	16 8	0 20	17 31	0 15	22 17	1 10	20 8	19 53	4 35	2 51	5 14
T 14	23 33	20 42	5 5	20 29	1 20	12 55	3 14	22 3	1 14	22 3	0 30	12 1	1 55	16 9	0 20	17 32	0 15	22 17	1 10	20 8	19 53	4 38	2 51	5 14
F 15	23 33	16 35	5 13	20 12	1 35	13 10	3 15	21 56	1 14	22 1	0 30	11 59	1 55	16 9	0 20	17 32	0 15	22 17	1 10	20 7	19 52	4 41	2 51	5 15
S 16	23 33	11 51	5 5	19 55	1 50	13 26	3 15	21 48	1 14	21 59	0 30	11 58	1 55	16 10	0 20	17 32	0 15	22 17	1 10	20 6	19 51	4 44	2 50	5 15
S 17	23 32	6 45	4 44	19 38	2 5	13 41	3 16	21 40	1 14	21 57	0 30	11 56	1 55	16 11	0 20	17 33	0 15	22 17	1 10	20 6	19 50	4 47	2 50	5 15
M18	23 31	1 29	4 11	19 22	2 20	13 57	3 16	21 32	1 14	21 54	0 30	11 54	1 55	16 12	0 20	17 33	0 16	22 17	1 9	20 6	19 50	4 51	2 50	5 15
T 19	23 29	3s48	3 28	19 7	2 36	14 13	3 16	21 24	1 14	21 52	0 30	11 52	1 55	16 12	0 20	17 33	0 16	22 17	1 9	20 6	19 49	4 54	2 51	5 16
W20	23 27	8 58	2 35	18 53	2 51	14 28	3 16	21 16	1 13	21 50	0 30	11 50	1 55	16 13	0 20	17 34	0 16	22 17	1 9	20 6	19 48	4 57	2 51	5 16
T 21	23 25	13 50	1 36	18 40	3 5	14 44	3 16	21 7	1 13	21 48	0 30	11 48	1 54	16 14	0 20	17 34	0 16	22 17	1 9	20 7	19 48	5 0	2 51	5 16
F 22	23 22	18 15	0 32	18 28	3 20	14 59	3 15	20 59	1 13	21 46	0 30	11 46	1 54	16 15	0 20	17 34	0 16	22 17	1 9	20 7	19 47	5 3	2 51	5 16
S 23	23 19	21 57	0s35	18 17	3 34	15 15	3 15	20 50	1 13	21 43	0 30	11 44	1 54	16 15	0 20	17 35	0 16	22 17	1 9	20 7	19 46	5 6	2 51	5 17
S 24	23 16	24 43	1 41	18 8	3 47	15 30	3 14	20 41	1 13	21 41	0 30	11 42	1 54	16 16	0 20	17 35	0 16	22 17	1 9	20 6	19 45	5 9	2 51	5 17
M25	23 12	26 16	2 44	17 59	3 59	15 45	3 13	20 32	1 13	21 39	0 30	11 40	1 54	16 17	0 20	17 36	0 16	22 17	1 9	20 6	19 45	5 13	2 51	5 17
T 26	23 7	26 24	3 39	17 53	4 11	16 1	3 12	20 23	1 13	21 36	0 30	11 38	1 54	16 17	0 20	17 36	0 16	22 17	1 9	20 5	19 44	5 16	2 51	5 17
W27	23 3	25 1	4 24	17 47	4 21	16 16	3 11	20 14	1 12	21 34	0 30	11 36	1 54	16 18	0 20	17 36	0 16	22 17	1 9	20 3	19 43	5 19	2 52	5 17
T 28	22 57	22 10	4 54	17 43	4 30	16 31	3 10	20 4	1 12	21 32	0 30	11 34	1 54	16 19	0 20	17 37	0 16	22 17	1 9	20 2	19 43	5 22	2 52	5 18
F 29	22 52	18 1	5 8	17 41	4 38	16 45	3 9	19 55	1 12	21 29	0 31	11 32	1 54	16 19	0 20	17 37	0 16	22 17	1 9	20 0	19 42	5 25	2 52	5 18
S 30	22n46	12s51	5s 3	17n40	4s44	17n 0	3s 7	19n45	1n12	21n27	0n31	11n30	1n54	16n20	0s20	17s38	0s16	22n17	1s 9	19n59	19n41	5s28	2s52	5n18

Julian Day Number = 2153665.5, Delta T = 13m55s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'06, Lahiri = 12°29'07 Julian Calendar 1 June 1184 == Greg. Calendar 8 June 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

JULY 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 39	15♋21'15	23♓15	17°R 5	0♊ 6	7♌41	26♋44	5♍ 3	15♉53	11°R36	5♋45	28°R45	27♉26	21♎18	10°R10	S 1
M 2	19 7 36	16°18'30	7♈24	16♋24	1° 7	8°19	26°57	5° 9	15°55	11♒35	5°47	28♉43	27°23	21°25	10♓ 9	M 2
T 3	19 11 32	17°15'46	21°35	15°43	2° 8	8°57	27°11	5°15	15°57	11°33	5°48	28°D42	27°19	21°31	10° 8	T 3
W 4	19 15 29	18°13'03	5♉44	15° 3	3°10	9°34	27°24	5°20	15°59	11°32	5°50	28°43	27°16	21°38	10° 6	W 4
T 5	19 19 26	19°10'21	19°52	14°26	4°13	10°12	27°37	5°26	16° 1	11°30	5°51	28°44	27°13	21°45	10° 5	T 5
F 6	19 23 22	20° 7'39	3♊57	13°51	5°15	10°50	27°50	5°32	16° 3	11°29	5°53	28°R44	27°10	21°51	10° 3	F 6
S 7	19 27 19	21° 4'59	17°55	13°19	6°18	11°27	28° 3	5°38	16° 5	11°27	5°54	28°43	27° 7	21°58	10° 1	S 7
S 8	19 31 15	22° 2'20	1♋46	12°51	7°21	12° 5	28°16	5°44	16° 7	11°26	5°56	28°39	27° 4	22° 5	10° 0	S 8
M 9	19 35 12	22°59'41	15°26	12°28	8°24	12°43	28°30	5°50	16° 8	11°24	5°57	28°33	27° 0	22°11	9°58	M 9
T 10	19 39 8	23°57'04	28°52	12°10	9°28	13°21	28°43	5°57	16°10	11°23	5°59	28°24	26°57	22°18	9°56	T 10
W11	19 43 5	24°54'27	12♌ 2	11°57	10°31	13°59	28°56	6° 3	16°12	11°21	6° 0	28°15	26°54	22°25	9°55	W11
T 12	19 47 1	25°51'51	24°54	11°50	11°35	14°36	29° 9	6° 9	16°14	11°20	6° 2	28° 5	26°51	22°31	9°53	T 12
F 13	19 50 58	26°49'16	7♍30	11°D49	12°39	15°14	29°22	6°15	16°15	11°18	6° 3	27°56	26°48	22°38	9°51	F 13
S 14	19 54 55	27°46'41	19°49	11°54	13°44	15°52	29°36	6°22	16°17	11°16	6° 5	27°48	26°44	22°45	9°49	S 14
S 15	19 58 51	28°44'07	1♎54	12° 6	14°48	16°30	29°49	6°28	16°18	11°15	6° 6	27°42	26°41	22°51	9°47	S 15
M16	20 2 48	29°41'34	13°50	12°24	15°53	17° 8	0♌ 2	6°34	16°20	11°13	6° 8	27°39	26°38	22°58	9°45	M16
T 17	20 6 44	0♌39'01	25°40	12°49	16°58	17°46	0°15	6°41	16°21	11°12	6° 9	27°D38	26°35	23° 5	9°43	T 17
W18	20 10 41	1°36'30	7♏31	13°20	18° 3	18°24	0°29	6°47	16°23	11°10	6°10	27°38	26°32	23°11	9°41	W18
T 19	20 14 37	2°33'59	19°26	13°58	19° 9	19° 2	0°42	6°54	16°24	11° 8	6°12	27°38	26°29	23°18	9°39	T 19
F 20	20 18 34	3°31'29	1♐31	14°42	20°14	19°40	0°55	7° 1	16°26	11° 7	6°13	27°R38	26°25	23°25	9°37	F 20
S 21	20 22 30	4°29'00	13°52	15°33	21°20	20°17	1° 8	7° 7	16°27	11° 5	6°15	27°37	26°22	23°31	9°35	S 21
S 22	20 26 27	5°26'32	26°31	16°30	22°26	20°55	1°21	7°14	16°28	11° 4	6°16	27°34	26°19	23°38	9°32	S 22
M23	20 30 24	6°24'06	9♑33	17°33	23°32	21°33	1°35	7°21	16°29	11° 2	6°17	27°28	26°16	23°45	9°30	M23
T 24	20 34 20	7°21'40	22°57	18°42	24°39	22°11	1°48	7°28	16°30	11° 0	6°19	27°20	26°13	23°51	9°28	T 24
W25	20 38 17	8°19'15	6♒43	19°57	25°45	22°49	2° 1	7°34	16°32	10°59	6°20	27°10	26°10	23°58	9°26	W25
T 26	20 42 13	9°16'52	20°47	21°17	26°52	23°28	2°14	7°41	16°33	10°57	6°22	26°59	26° 6	24° 5	9°23	T 26
F 27	20 46 10	10°14'29	5♓ 4	22°43	27°59	24° 6	2°27	7°48	16°34	10°55	6°23	26°48	26° 3	24°11	9°21	F 27
S 28	20 50 6	11°12'09	19°29	24°13	29° 6	24°44	2°41	7°55	16°35	10°54	6°24	26°39	26° 0	24°18	9°19	S 28
S 29	20 54 3	12° 9'49	3♈56	25°48	0♋13	25°22	2°54	8° 2	16°36	10°52	6°25	26°32	25°57	24°25	9°16	S 29
M30	20 57 59	13° 7'32	18°19	27°27	1°20	26° 0	3° 7	8° 9	16°36	10°50	6°27	26°28	25°54	24°31	9°14	M30
T 31	21 1 56	14♌ 5'16	2♉35	29♋10	2♋28	26♌38	3♌20	8♍16	16♉37	10♒49	6♋28	26♉26	25♉50	24♎38	9♓11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n39	6s59	4s41	17n41	4s48	17n14	3s 6	19n35	1n12	21n24	0n31	11n28	1n53	16n21	0s20	17s38	0s16	22n17	1s 9	19n58	19n40	5s32	2s53	5n18
M 2	22 33	0 44	4 1	17 43	4 51	17 28	3 4	19 25	1 12	21 22	0 31	11 25	1 53	16 21	0 20	17 38	0 16	22 17	1 9	19 58	19 40	5 35	2 53	5 18
T 3	22 26	5n34	3 7	17 47	4 52	17 42	3 2	19 15	1 11	21 19	0 31	11 23	1 53	16 22	0 20	17 39	0 16	22 17	1 9	19 58	19 39	5 38	2 53	5 19
W 4	22 18	11 36	2 1	17 52	4 52	17 56	3 0	19 5	1 11	21 17	0 31	11 21	1 53	16 22	0 20	17 39	0 16	22 17	1 9	19 58	19 38	5 41	2 54	5 19
T 5	22 10	17 1	0 48	17 58	4 50	18 10	2 58	18 54	1 11	21 14	0 31	11 19	1 53	16 23	0 20	17 40	0 16	22 17	1 9	19 58	19 38	5 44	2 54	5 19
F 6	22 2	21 29	0n28	18 5	4 46	18 23	2 56	18 44	1 11	21 12	0 31	11 16	1 53	16 24	0 20	17 40	0 16	22 17	1 8	19 58	19 37	5 47	2 54	5 19
S 7	21 53	24 41	1 41	18 14	4 40	18 36	2 54	18 33	1 11	21 9	0 31	11 14	1 53	16 24	0 20	17 41	0 16	22 17	1 8	19 58	19 36	5 50	2 55	5 19
S 8	21 44	26 20	2 48	18 24	4 33	18 48	2 52	18 22	1 10	21 7	0 31	11 12	1 53	16 25	0 20	17 41	0 16	22 16	1 8	19 57	19 35	5 54	2 55	5 20
M 9	21 35	26 21	3 43	18 34	4 24	19 1	2 50	18 12	1 10	21 4	0 31	11 9	1 53	16 25	0 20	17 41	0 16	22 16	1 8	19 55	19 35	5 57	2 56	5 20
T 10	21 25	24 49	4 26	18 46	4 14	19 13	2 47	18 0	1 10	21 1	0 31	11 7	1 53	16 26	0 20	17 42	0 16	22 16	1 8	19 54	19 34	6 0	2 56	5 20
W11	21 15	21 56	4 53	18 58	4 3	19 25	2 45	17 49	1 10	20 59	0 31	11 5	1 53	16 26	0 20	17 42	0 16	22 16	1 8	19 52	19 33	6 3	2 57	5 20
T 12	21 4	18 3	5 4	19 11	3 51	19 36	2 42	17 38	1 10	20 56	0 32	11 2	1 53	16 27	0 20	17 43	0 16	22 16	1 8	19 49	19 32	6 6	2 57	5 20
F 13	20 53	13 26	5 0	19 24	3 38	19 47	2 39	17 27	1 10	20 53	0 32	11 0	1 53	16 27	0 20	17 43	0 16	22 16	1 8	19 47	19 32	6 9	2 58	5 21
S 14	20 42	8 23	4 43	19 37	3 24	19 57	2 37	17 15	1 9	20 51	0 32	10 57	1 52	16 28	0 20	17 44	0 16	22 16	1 8	19 45	19 31	6 13	2 58	5 21
S 15	20 30	3 6	4 13	19 51	3 10	20 8	2 34	17 4	1 9	20 48	0 32	10 55	1 52	16 28	0 20	17 44	0 16	22 16	1 8	19 44	19 30	6 16	2 59	5 21
M16	20 18	2s14	3 32	20 4	2 55	20 17	2 31	16 52	1 9	20 45	0 32	10 53	1 52	16 28	0 20	17 45	0 16	22 16	1 8	19 43	19 29	6 19	2 59	5 21
T 17	20 6	7 27	2 42	20 17	2 39	20 27	2 28	16 40	1 9	20 42	0 32	10 50	1 52	16 29	0 20	17 45	0 16	22 16	1 8	19 43	19 29	6 22	3 0	5 21
W18	19 53	12 25	1 45	20 30	2 23	20 36	2 25	16 28	1 8	20 40	0 32	10 48	1 52	16 29	0 20	17 45	0 16	22 16	1 8	19 43	19 28	6 25	3 1	5 21
T 19	19 40	16 58	0 44	20 42	2 7	20 44	2 22	16 16	1 8	20 37	0 32	10 45	1 52	16 30	0 20	17 46	0 16	22 16	1 8	19 43	19 27	6 28	3 1	5 21
F 20	19 27	20 54	0s21	20 53	1 51	20 52	2 19	16 4	1 8	20 34	0 32	10 43	1 52	16 30	0 20	17 46	0 16	22 16	1 8	19 43	19 26	6 31	3 2	5 22
S 21	19 14	23 59	1 25	21 4	1 35	21 0	2 16	15 52	1 8	20 31	0 32	10 40	1 52	16 30	0 20	17 47	0 16	22 16	1 8	19 43	19 26	6 35	3 3	5 22
S 22	19 0	25 57	2 27	21 13	1 19	21 7	2 13	15 39	1 8	20 28	0 32	10 38	1 52	16 31	0 20	17 47	0 16	22 16	1 8	19 42	19 25	6 38	3 3	5 22
M23	18 45	26 35	3 23	21 20	1 4	21 14	2 9	15 27	1 7	20 26	0 32	10 35	1 52	16 31	0 20	17 48	0 16	22 16	1 8	19 41	19 24	6 41	3 4	5 22
T 24	18 31	25 41	4 10	21 26	0 48	21 20	2 6	15 14	1 7	20 23	0 33	10 32	1 52	16 31	0 20	17 48	0 16	22 16	1 8	19 39	19 23	6 44	3 5	5 22
W25	18 16	23 14	4 43	21 30	0 33	21 26	2 3	15 1	1 7	20 20	0 33	10 30	1 52	16 32	0 20	17 49	0 16	22 16	1 8	19 37	19 23	6 47	3 6	5 22
T 26	18 1	19 22	5 0	21 33	0 19	21 31	1 59	14 49	1 7	20 17	0 33	10 27	1 52	16 32	0 20	17 49	0 16	22 16	1 7	19 34	19 22	6 50	3 6	5 22
F 27	17 45	14 19	4 59	21 33	0 5	21 36	1 56	14 36	1 6	20 14	0 33	10 25	1 52	16 32	0 20	17 50	0 16	22 16	1 7	19 32	19 21	6 53	3 7	5 22
S 28	17 30	8 26	4 38	21 30	0n 8	21 40	1 53	14 23	1 6	20 11	0 33	10 22	1 52	16 33	0 20	17 50	0 16	22 16	1 7	19 30	19 20	6 57	3 8	5 23
S 29	17 13	2 6	4 0	21 25	0 21	21 44	1 49	14 10	1 6	20 8	0 33	10 19	1 52	16 33	0 20	17 51	0 16	22 16	1 7	19 28	19 20	7 0	3 9	5 23
M30	16 57	4n20	3 7	21 18	0 33	21 47	1 46	13 56	1 6	20 5	0 33	10 17	1 52	16 33	0 20	17 51	0 16	22 16	1 7	19 27	19 19	7 3	3 10	5 23
T 31	16n41	10n30	2s 3	21n 8	0n44	21n49	1s42	13n43	1n 6	20n 2	0n33	10n14	1n52	16n33	0s20	17s51	0s16	22n16	1s 7	19n27	19n18	7s 6	3s10	5n23

Julian Day Number = 2153695.5, Delta T = 13m55s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'10, Lahiri = 12°29'11 Julian Calendar 1 July 1184 == Greg. Calendar 8 July 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

AUGUST 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 5 53	15♌ 3'02	16♉42	0♌57	3♋36	27♌16	3♌33	8♍23	16♉38	10°R47	6♋29	26°D26	25♉47	24♎45	9°R 9	W 1
T 2	21 9 49	16° 0'49	0♊39	2°46	4°44	27°54	3°46	8°30	16°39	10♒46	6°31	26°R26	25°44	24°51	9♓ 6	T 2
F 3	21 13 46	16°58'39	14°25	4°38	5°52	28°33	3°59	8°37	16°39	10°44	6°32	26♉25	25°41	24°58	9° 3	F 3
S 4	21 17 42	17°56'30	28° 2	6°32	7° 0	29°11	4°12	8°44	16°40	10°42	6°33	26°22	25°38	25° 5	9° 1	S 4
S 5	21 21 39	18°54'23	11♋29	8°27	8° 8	29°49	4°25	8°51	16°40	10°41	6°34	26°16	25°35	25°11	8°58	S 5
M 6	21 25 35	19°52'18	24°46	10°24	9°16	0♍27	4°38	8°59	16°41	10°39	6°35	26° 8	25°31	25°18	8°56	M 6
T 7	21 29 32	20°50'14	7♌50	12°22	10°25	1° 6	4°51	9° 6	16°41	10°38	6°37	25°57	25°28	25°25	8°53	T 7
W 8	21 33 28	21°48'12	20°42	14°21	11°34	1°44	5° 4	9°13	16°42	10°36	6°38	25°44	25°25	25°31	8°50	W 8
T 9	21 37 25	22°46'12	3♍21	16°20	12°43	2°22	5°17	9°20	16°42	10°34	6°39	25°30	25°22	25°38	8°48	T 9
F 10	21 41 22	23°44'13	15°46	18°18	13°52	3° 1	5°30	9°28	16°43	10°33	6°40	25°18	25°19	25°45	8°45	F 10
S 11	21 45 18	24°42'16	27°58	20°17	15° 1	3°39	5°43	9°35	16°43	10°31	6°41	25° 7	25°16	25°51	8°42	S 11
S 12	21 49 15	25°40'20	9♎59	22°15	16°10	4°17	5°56	9°42	16°43	10°30	6°42	24°58	25°12	25°58	8°39	S 12
M13	21 53 11	26°38'25	21°52	24°13	17°19	4°56	6° 8	9°50	16°43	10°28	6°43	24°52	25° 9	26° 5	8°37	M13
T 14	21 57 8	27°36'33	3♏40	26°10	18°29	5°34	6°21	9°57	16°43	10°26	6°44	24°49	25° 6	26°11	8°34	T 14
W15	22 1 4	28°34'41	15°28	28° 6	19°38	6°13	6°34	10° 4	16°43	10°25	6°46	24°48	25° 3	26°18	8°31	W15
T 16	22 5 1	29°32'52	27°22	0♍ 1	20°48	6°51	6°47	10°12	16°R43	10°23	6°47	24°48	25° 0	26°25	8°28	T 16
F 17	22 8 57	0♍31'03	9♐26	1°55	21°58	7°30	6°59	10°19	16°43	10°22	6°48	24°47	24°56	26°31	8°25	F 17
S 18	22 12 54	1°29'17	21°46	3°48	23° 8	8° 8	7°12	10°26	16°43	10°20	6°49	24°46	24°53	26°38	8°22	S 18
S 19	22 16 51	2°27'31	4♑27	5°41	24°18	8°47	7°24	10°34	16°43	10°19	6°50	24°43	24°50	26°45	8°20	S 19
M20	22 20 47	3°25'48	17°33	7°32	25°28	9°25	7°37	10°41	16°43	10°17	6°51	24°37	24°47	26°51	8°17	M20
T 21	22 24 44	4°24'06	1♒ 6	9°21	26°38	10° 4	7°49	10°49	16°43	10°16	6°51	24°29	24°44	26°58	8°14	T 21
W22	22 28 40	5°22'26	15° 6	11°10	27°49	10°43	8° 2	10°56	16°42	10°14	6°52	24°19	24°41	27° 5	8°11	W22
T 23	22 32 37	6°20'47	29°29	12°58	28°59	11°21	8°14	11° 4	16°42	10°13	6°53	24° 7	24°37	27°11	8° 8	T 23
F 24	22 36 33	7°19'10	14♓ 9	14°44	0♌10	12° 0	8°26	11°11	16°41	10°12	6°54	23°56	24°34	27°18	8° 5	F 24
S 25	22 40 30	8°17'35	28°59	16°30	1°21	12°39	8°39	11°18	16°41	10°10	6°55	23°47	24°31	27°25	8° 3	S 25
S 26	22 44 26	9°16'02	13♈50	18°14	2°32	13°17	8°51	11°26	16°41	10° 9	6°56	23°40	24°28	27°31	8° 0	S 26
M27	22 48 23	10°14'32	28°34	19°57	3°42	13°56	9° 3	11°33	16°40	10° 7	6°57	23°35	24°25	27°38	7°57	M27
T 28	22 52 20	11°13'03	13♉ 6	21°39	4°54	14°35	9°15	11°41	16°39	10° 6	6°57	23°33	24°22	27°45	7°54	T 28
W29	22 56 16	12°11'37	27°22	23°21	6° 5	15°14	9°27	11°48	16°39	10° 5	6°58	23°D33	24°18	27°51	7°51	W29
T 30	23 0 13	13°10'13	11♊20	25° 1	7°16	15°52	9°40	11°56	16°38	10° 3	6°59	23°R33	24°15	27°58	7°48	T 30
F 31	23 4 9	14♍ 8'51	25♊ 0	26♍40	8♌27	16♍31	9♌51	12♍ 3	16♉37	10♒ 2	7♋ 0	23♉33	24♉12	28♎ 5	7♓45	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n24	16n 5	0s51	20n55	0n54	21n51	1s38	13n30	1n 5	19n59	0n33	10n11	1n52	16n33	0s20	17s52	0s16	22n16	1s 7	19n27	19n17	7s 9	3s11	5n23
T 2	16 6	20 44	0n22	20 39	1 3	21 53	1 35	13 16	1 5	19 56	0 33	10 9	1 52	16 34	0 20	17 52	0 16	22 16	1 7	19 27	19 17	7 12	3 12	5 23
F 3	15 49	24 11	1 34	20 21	1 11	21 54	1 31	13 3	1 5	19 53	0 34	10 6	1 52	16 34	0 20	17 53	0 16	22 16	1 7	19 26	19 16	7 15	3 13	5 23
S 4	15 31	26 11	2 39	20 0	1 19	21 54	1 28	12 49	1 5	19 50	0 34	10 3	1 52	16 34	0 20	17 53	0 16	22 16	1 7	19 26	19 15	7 19	3 14	5 23
S 5	15 13	26 36	3 34	19 36	1 25	21 54	1 24	12 35	1 4	19 47	0 34	10 1	1 52	16 34	0 20	17 54	0 16	22 16	1 7	19 24	19 14	7 22	3 15	5 23
M 6	14 55	25 29	4 17	19 10	1 31	21 53	1 20	12 22	1 4	19 44	0 34	9 58	1 52	16 34	0 20	17 54	0 16	22 16	1 7	19 22	19 14	7 25	3 16	5 23
T 7	14 37	22 59	4 45	18 42	1 36	21 52	1 17	12 8	1 4	19 41	0 34	9 55	1 52	16 34	0 20	17 55	0 16	22 16	1 7	19 20	19 13	7 28	3 17	5 23
W 8	14 18	19 22	4 59	18 11	1 39	21 50	1 13	11 54	1 4	19 38	0 34	9 52	1 52	16 35	0 20	17 55	0 16	22 16	1 7	19 17	19 12	7 31	3 18	5 23
T 9	13 59	14 56	4 57	17 38	1 42	21 47	1 9	11 40	1 3	19 35	0 34	9 50	1 52	16 35	0 20	17 56	0 16	22 16	1 7	19 13	19 11	7 34	3 19	5 23
F 10	13 40	9 57	4 41	17 4	1 45	21 44	1 5	11 25	1 3	19 32	0 34	9 47	1 52	16 35	0 20	17 56	0 16	22 16	1 7	19 10	19 11	7 37	3 20	5 23
S 11	13 21	4 40	4 13	16 28	1 46	21 41	1 2	11 11	1 3	19 29	0 34	9 44	1 52	16 35	0 20	17 56	0 16	22 16	1 7	19 8	19 10	7 41	3 21	5 24
S 12	13 1	0s42	3 33	15 50	1 47	21 36	0 58	10 57	1 2	19 26	0 35	9 41	1 52	16 35	0 20	17 57	0 16	22 16	1 7	19 6	19 9	7 44	3 22	5 24
M13	12 41	6 1	2 45	15 11	1 47	21 31	0 54	10 43	1 2	19 23	0 35	9 38	1 52	16 35	0 20	17 57	0 16	22 16	1 7	19 4	19 8	7 47	3 23	5 24
T 14	12 21	11 5	1 49	14 31	1 46	21 26	0 51	10 28	1 2	19 20	0 35	9 36	1 52	16 35	0 21	17 58	0 16	22 16	1 7	19 3	19 8	7 50	3 24	5 24
W15	12 1	15 46	0 49	13 50	1 45	21 20	0 47	10 14	1 2	19 17	0 35	9 33	1 52	16 35	0 21	17 58	0 16	22 16	1 7	19 3	19 7	7 53	3 25	5 24
T 16	11 41	19 53	0s14	13 7	1 43	21 13	0 43	9 59	1 1	19 14	0 35	9 30	1 52	16 35	0 21	17 59	0 16	22 16	1 7	19 3	19 6	7 56	3 26	5 24
F 17	11 20	23 14	1 17	12 24	1 41	21 6	0 40	9 44	1 1	19 10	0 35	9 27	1 52	16 35	0 21	17 59	0 16	22 16	1 7	19 3	19 5	7 59	3 27	5 24
S 18	11 0	25 35	2 18	11 41	1 38	20 58	0 36	9 30	1 1	19 7	0 35	9 25	1 52	16 35	0 21	17 59	0 16	22 16	1 7	19 3	19 4	8 2	3 28	5 24
S 19	10 39	26 42	3 14	10 56	1 35	20 49	0 32	9 15	1 1	19 4	0 35	9 22	1 52	16 35	0 21	18 0	0 16	22 16	1 6	19 2	19 4	8 6	3 29	5 24
M20	10 18	26 22	4 1	10 11	1 31	20 40	0 29	9 0	1 0	19 1	0 35	9 19	1 52	16 35	0 21	18 0	0 16	22 16	1 6	19 1	19 3	8 9	3 30	5 24
T 21	9 56	24 30	4 37	9 26	1 27	20 31	0 25	8 45	1 0	18 58	0 36	9 16	1 52	16 35	0 21	18 1	0 16	22 16	1 6	18 59	19 2	8 12	3 31	5 23
W22	9 35	21 6	4 57	8 40	1 22	20 21	0 21	8 30	1 0	18 55	0 36	9 13	1 52	16 34	0 21	18 1	0 16	22 16	1 6	18 56	19 1	8 15	3 32	5 23
T 23	9 13	16 23	5 0	7 55	1 17	20 10	0 18	8 15	0 59	18 52	0 36	9 10	1 52	16 34	0 21	18 1	0 16	22 16	1 6	18 53	19 1	8 18	3 33	5 23
F 24	8 52	10 36	4 43	7 9	1 12	19 58	0 14	8 0	0 59	18 49	0 36	9 8	1 52	16 34	0 21	18 2	0 16	22 16	1 6	18 51	19 0	8 21	3 34	5 23
S 25	8 30	4 10	4 7	6 23	1 7	19 46	0 11	7 45	0 59	18 46	0 36	9 5	1 52	16 34	0 21	18 2	0 16	22 16	1 6	18 48	18 59	8 24	3 35	5 23
S 26	8 8	2n30	3 14	5 37	1 1	19 34	0 7	7 30	0 58	18 43	0 36	9 2	1 52	16 34	0 21	18 3	0 16	22 16	1 6	18 46	18 58	8 27	3 37	5 23
M27	7 46	9 1	2 8	4 50	0 55	19 21	0 4	7 14	0 58	18 39	0 36	8 59	1 52	16 34	0 21	18 3	0 16	22 16	1 6	18 45	18 57	8 31	3 38	5 23
T 28	7 23	14 58	0 55	4 4	0 49	19 7	0 0	6 59	0 58	18 36	0 36	8 56	1 52	16 34	0 21	18 3	0 16	22 16	1 6	18 45	18 57	8 34	3 39	5 23
W29	7 1	19 59	0n20	3 18	0 43	18 53	0n 3	6 44	0 58	18 33	0 37	8 54	1 52	16 33	0 21	18 4	0 16	22 16	1 6	18 45	18 56	8 37	3 40	5 23
T 30	6 39	23 46	1 33	2 33	0 36	18 38	0 6	6 28	0 57	18 30	0 37	8 51	1 52	16 33	0 21	18 4	0 16	22 16	1 6	18 45	18 55	8 40	3 41	5 23
F 31	6n16	26n 6	2n39	1n47	0n29	18n23	0n10	6n13	0n57	18n27	0n37	8n48	1n52	16n33	0s21	18s 4	0s16	22n16	1s 6	18n45	18n54	8s43	3s42	5n23

Julian Day Number = 2153726.5, Delta T = 13m55s
Ecliptic obliquity = 23°32'47, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'15, Lahiri = 12°29'15 Julian Calendar 1 Aug. 1184 == Greg. Calendar 8 Aug. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

SEPTEMBER 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 6	15♍ 7'32	8♋25	28♍18	9♌39	17♍10	10♌ 3	12♍11	16°R36	10°R 1	7♋ 0	23°R30	24♉ 9	28♎11	7°R43	S 1
S 2	23 12 2	16° 6'15	21°35	29°55	10°50	17°49	10°15	12°18	16♉36	10♒ 0	7° 1	23♉26	24° 6	28°18	7♓40	S 2
M 3	23 15 59	17° 5'00	4♌32	1♎31	12° 2	18°28	10°27	12°26	16°35	9°58	7° 2	23°18	24° 2	28°25	7°37	M 3
T 4	23 19 55	18° 3'47	17°17	3° 6	13°14	19° 7	10°39	12°33	16°34	9°57	7° 2	23° 9	23°59	28°31	7°34	T 4
W 5	23 23 52	19° 2'36	29°50	4°40	14°26	19°46	10°51	12°40	16°33	9°56	7° 3	22°57	23°56	28°38	7°31	W 5
T 6	23 27 49	20° 1'28	12♍13	6°13	15°38	20°25	11° 2	12°48	16°32	9°55	7° 4	22°46	23°53	28°45	7°29	T 6
F 7	23 31 45	21° 0'21	24°25	7°46	16°50	21° 4	11°14	12°55	16°31	9°54	7° 4	22°34	23°50	28°51	7°26	F 7
S 8	23 35 42	21°59'17	6♎28	9°17	18° 2	21°43	11°25	13° 3	16°30	9°53	7° 5	22°24	23°47	28°58	7°23	S 8
S 9	23 39 38	22°58'14	18°23	10°47	19°14	22°22	11°37	13°10	16°28	9°51	7° 5	22°17	23°43	29° 4	7°20	S 9
M10	23 43 35	23°57'14	0♏12	12°17	20°26	23° 1	11°48	13°17	16°27	9°50	7° 6	22°12	23°40	29°11	7°18	M10
T 11	23 47 31	24°56'15	11°59	13°45	21°39	23°40	11°59	13°25	16°26	9°49	7° 6	22° 9	23°37	29°18	7°15	T 11
W12	23 51 28	25°55'19	23°46	15°13	22°51	24°20	12°10	13°32	16°25	9°48	7° 7	22°D 8	23°34	29°24	7°12	W12
T 13	23 55 24	26°54'24	5♐38	16°40	24° 4	24°59	12°21	13°39	16°23	9°47	7° 7	22° 9	23°31	29°31	7°10	T 13
F 14	23 59 21	27°53'31	17°40	18° 5	25°16	25°38	12°33	13°47	16°22	9°46	7° 8	22°10	23°27	29°38	7° 7	F 14
S 15	0 3 17	28°52'40	29°57	19°30	26°29	26°17	12°43	13°54	16°20	9°45	7° 8	22°R11	23°24	29°44	7° 4	S 15
S 16	0 7 14	29°51'50	12♑35	20°54	27°42	26°57	12°54	14° 1	16°19	9°45	7° 8	22°10	23°21	29°51	7° 2	S 16
M17	0 11 11	0♎51'03	25°38	22°17	28°55	27°36	13° 5	14° 9	16°18	9°44	7° 9	22° 7	23°18	29°58	6°59	M17
T 18	0 15 7	1°50'17	9♒ 9	23°38	0♍ 7	28°15	13°16	14°16	16°16	9°43	7° 9	22° 2	23°15	0♏ 4	6°57	T 18
W19	0 19 4	2°49'33	23° 9	24°59	1°20	28°55	13°26	14°23	16°14	9°42	7° 9	21°55	23°12	0°11	6°54	W19
T 20	0 23 0	3°48'51	7♓37	26°18	2°33	29°34	13°37	14°30	16°13	9°41	7°10	21°48	23° 8	0°18	6°52	T 20
F 21	0 26 57	4°48'11	22°27	27°36	3°47	0♎14	13°47	14°37	16°11	9°40	7°10	21°40	23° 5	0°24	6°49	F 21
S 22	0 30 53	5°47'33	7♈32	28°53	5° 0	0°53	13°58	14°45	16° 9	9°40	7°10	21°34	23° 2	0°31	6°47	S 22
S 23	0 34 50	6°46'56	22°42	0♏ 9	6°13	1°32	14° 8	14°52	16° 8	9°39	7°10	21°29	22°59	0°38	6°45	S 23
M24	0 38 46	7°46'22	7♉47	1°23	7°26	2°12	14°18	14°59	16° 6	9°38	7°11	21°26	22°56	0°44	6°42	M24
T 25	0 42 43	8°45'51	22°39	2°35	8°40	2°52	14°28	15° 6	16° 4	9°38	7°11	21°D26	22°53	0°51	6°40	T 25
W26	0 46 40	9°45'21	7♊12	3°46	9°53	3°31	14°38	15°13	16° 2	9°37	7°11	21°26	22°49	0°58	6°38	W26
T 27	0 50 36	10°44'55	21°21	4°55	11° 7	4°11	14°48	15°20	16° 0	9°36	7°11	21°28	22°46	1° 4	6°35	T 27
F 28	0 54 33	11°44'30	5♋ 7	6° 2	12°20	4°50	14°58	15°27	15°58	9°36	7°11	21°29	22°43	1°11	6°33	F 28
S 29	0 58 29	12°44'08	18°31	7° 6	13°34	5°30	15° 8	15°34	15°56	9°35	7°11	21°R29	22°40	1°18	6°31	S 29
S 30	1 2 26	13♎43'48	1♌35	8♏ 9	14♍48	6♎10	15♌17	15♍41	15♉54	9♒35	7♋11	21♉27	22♉37	1♏24	6♓29	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n53	26n51	3n35	1n 2	0n23	18n 7	0n13	5n57	0n57	18n24	0n37	8n45	1n52	16n33	0s21	18s 5	0s16	22n16	1s 6	18n44	18n54	8s46	3s43	5n23
S 2	5 30	26 3	4 18	0 16	0 16	17 51	0 16	5 42	0 56	18 21	0 37	8 42	1 52	16 33	0 21	18 5	0 16	22 16	1 6	18 43	18 53	8 49	3 44	5 23
M 3	5 7	23 51	4 47	0s28	0 9	17 34	0 19	5 26	0 56	18 18	0 37	8 40	1 52	16 32	0 21	18 5	0 16	22 16	1 6	18 41	18 52	8 52	3 46	5 23
T 4	4 44	20 30	5 1	1 13	0 2	17 17	0 22	5 11	0 56	18 15	0 37	8 37	1 53	16 32	0 21	18 6	0 16	22 16	1 6	18 39	18 51	8 55	3 47	5 22
W 5	4 21	16 16	5 1	1 57	0s 6	16 59	0 25	4 55	0 55	18 12	0 38	8 34	1 53	16 32	0 21	18 6	0 16	22 16	1 6	18 36	18 50	8 59	3 48	5 22
T 6	3 58	11 25	4 46	2 41	0 13	16 41	0 28	4 39	0 55	18 9	0 38	8 31	1 53	16 31	0 21	18 6	0 16	22 16	1 6	18 33	18 50	9 2	3 49	5 22
F 7	3 35	6 10	4 18	3 24	0 20	16 22	0 31	4 24	0 55	18 6	0 38	8 28	1 53	16 31	0 21	18 7	0 16	22 16	1 6	18 30	18 49	9 5	3 50	5 22
S 8	3 12	0 46	3 39	4 7	0 28	16 2	0 34	4 8	0 54	18 2	0 38	8 26	1 53	16 31	0 21	18 7	0 16	22 16	1 6	18 27	18 48	9 8	3 51	5 22
S 9	2 48	4s37	2 50	4 50	0 35	15 43	0 37	3 52	0 54	17 59	0 38	8 23	1 53	16 30	0 21	18 7	0 16	22 16	1 6	18 25	18 47	9 11	3 52	5 22
M10	2 25	9 48	1 55	5 32	0 42	15 22	0 40	3 36	0 54	17 56	0 38	8 20	1 53	16 30	0 21	18 8	0 16	22 16	1 6	18 24	18 46	9 14	3 53	5 22
T 11	2 1	14 38	0 54	6 13	0 50	15 2	0 43	3 20	0 53	17 53	0 38	8 17	1 53	16 30	0 21	18 8	0 16	22 16	1 6	18 23	18 46	9 17	3 55	5 22
W12	1 38	18 56	0s 9	6 54	0 57	14 41	0 46	3 4	0 53	17 50	0 39	8 14	1 53	16 29	0 21	18 8	0 16	22 16	1 6	18 23	18 45	9 20	3 56	5 21
T 13	1 14	22 31	1 12	7 34	1 5	14 19	0 48	2 48	0 53	17 47	0 39	8 12	1 53	16 29	0 21	18 8	0 16	22 16	1 6	18 23	18 44	9 23	3 57	5 21
F 14	0 51	25 11	2 13	8 14	1 12	13 57	0 51	2 32	0 52	17 44	0 39	8 9	1 53	16 29	0 21	18 9	0 16	22 16	1 6	18 24	18 43	9 27	3 58	5 21
S 15	0 27	26 42	3 9	8 53	1 19	13 35	0 53	2 16	0 52	17 41	0 39	8 6	1 53	16 28	0 21	18 9	0 16	22 16	1 6	18 24	18 42	9 30	3 59	5 21
S 16	0 3	26 54	3 58	9 31	1 26	13 12	0 56	2 0	0 51	17 39	0 39	8 3	1 53	16 28	0 21	18 9	0 16	22 16	1 5	18 23	18 42	9 33	4 0	5 21
M17	0s20	25 38	4 36	10 9	1 33	12 49	0 58	1 44	0 51	17 36	0 39	8 1	1 54	16 27	0 21	18 10	0 16	22 16	1 5	18 23	18 41	9 36	4 1	5 21
T 18	0 44	22 52	5 0	10 46	1 40	12 25	1 1	1 28	0 51	17 33	0 40	7 58	1 54	16 27	0 21	18 10	0 16	22 16	1 5	18 21	18 40	9 39	4 2	5 20
W19	1 8	18 42	5 8	11 22	1 47	12 2	1 3	1 12	0 50	17 30	0 40	7 55	1 54	16 26	0 21	18 10	0 17	22 16	1 5	18 20	18 39	9 42	4 4	5 20
T 20	1 31	13 20	4 56	11 58	1 54	11 37	1 5	0 56	0 50	17 27	0 40	7 53	1 54	16 26	0 21	18 10	0 17	22 16	1 5	18 18	18 38	9 45	4 5	5 20
F 21	1 55	7 4	4 25	12 33	2 1	11 13	1 7	0 40	0 50	17 24	0 40	7 50	1 54	16 25	0 21	18 10	0 17	22 16	1 5	18 16	18 38	9 48	4 6	5 20
S 22	2 19	0 17	3 35	13 6	2 7	10 48	1 9	0 24	0 49	17 21	0 40	7 47	1 54	16 25	0 21	18 11	0 17	22 16	1 5	18 14	18 37	9 51	4 7	5 20
S 23	2 42	6n34	2 29	13 39	2 13	10 23	1 11	0 8	0 49	17 18	0 40	7 45	1 54	16 24	0 21	18 11	0 17	22 16	1 5	18 13	18 36	9 54	4 8	5 19
M24	3 6	13 1	1 13	14 11	2 19	9 57	1 13	0s 8	0 49	17 16	0 41	7 42	1 54	16 24	0 21	18 11	0 17	22 16	1 5	18 12	18 35	9 57	4 9	5 19
T 25	3 29	18 37	0n 7	14 41	2 25	9 31	1 15	0 24	0 48	17 13	0 41	7 39	1 54	16 23	0 21	18 11	0 17	22 16	1 5	18 12	18 34	10 1	4 10	5 19
W26	3 53	23 0	1 25	15 11	2 31	9 5	1 17	0 40	0 48	17 10	0 41	7 37	1 55	16 23	0 21	18 11	0 17	22 16	1 5	18 12	18 34	10 4	4 11	5 19
T 27	4 16	25 51	2 35	15 40	2 36	8 39	1 19	0 57	0 47	17 7	0 41	7 34	1 55	16 22	0 21	18 11	0 17	22 16	1 5	18 13	18 33	10 7	4 12	5 18
F 28	4 40	27 2	3 35	16 7	2 41	8 12	1 20	1 13	0 47	17 5	0 41	7 31	1 55	16 22	0 21	18 12	0 17	22 16	1 5	18 13	18 32	10 10	4 13	5 18
S 29	5 3	26 34	4 21	16 33	2 45	7 45	1 22	1 29	0 47	17 2	0 42	7 29	1 55	16 21	0 21	18 12	0 17	22 16	1 5	18 13	18 31	10 13	4 14	5 18
S 30	5s26	24n39	4n53	16s57	2s49	7n18	1n23	1s45	0n46	16n59	0n42	7n26	1n55	16n21	0s21	18s12	0s17	22n16	1s 5	18n12	18n30	10s16	4s15	5n18

Julian Day Number = 2153757.5, Delta T = 13m55s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'19, Lahiri = 12°29'19 Julian Calendar 1 Sept. 1184 == Greg. Calendar 8 Sept. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

OCTOBER 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 6 22	14♎43'30	14♌21	9♏ 8	16♍ 2	6♎50	15♌27	15♍48	15°R52	9°R34	7°R11	21°R24	22♉33	1♏31	6°R27	M 1
T 2	1 10 19	15°43'15	26°52	10° 5	17°15	7°29	15°36	15°54	15♉50	9♒34	7♋11	21♉19	22°30	1°38	6♓25	T 2
W 3	1 14 15	16°43'02	9♍11	10°59	18°29	8° 9	15°45	16° 1	15°48	9°33	7°11	21°13	22°27	1°44	6°23	W 3
T 4	1 18 12	17°42'50	21°20	11°49	19°43	8°49	15°54	16° 8	15°46	9°33	7°11	21° 7	22°24	1°51	6°21	T 4
F 5	1 22 9	18°42'41	3♎20	12°35	20°57	9°29	16° 4	16°15	15°44	9°33	7°11	21° 1	22°21	1°58	6°19	F 5
S 6	1 26 5	19°42'34	15°15	13°17	22°11	10° 9	16°12	16°21	15°42	9°32	7°11	20°56	22°18	2° 4	6°17	S 6
S 7	1 30 2	20°42'30	27° 5	13°54	23°25	10°49	16°21	16°28	15°40	9°32	7°11	20°52	22°14	2°11	6°15	S 7
M 8	1 33 58	21°42'27	8♏52	14°26	24°40	11°29	16°30	16°35	15°37	9°32	7°11	20°50	22°11	2°18	6°14	M 8
T 9	1 37 55	22°42'25	20°39	14°52	25°54	12° 9	16°38	16°41	15°35	9°32	7°10	20°D49	22° 8	2°24	6°12	T 9
W10	1 41 51	23°42'26	2♐28	15°11	27° 8	12°49	16°47	16°48	15°33	9°31	7°10	20°50	22° 5	2°31	6°10	W10
T 11	1 45 48	24°42'29	14°23	15°24	28°22	13°29	16°55	16°54	15°31	9°31	7°10	20°51	22° 2	2°37	6° 8	T 11
F 12	1 49 44	25°42'33	26°27	15°R28	29°37	14° 9	17° 3	17° 0	15°28	9°31	7°10	20°53	21°59	2°44	6° 7	F 12
S 13	1 53 41	26°42'39	8♑44	15°25	0♎51	14°49	17°11	17° 7	15°26	9°31	7° 9	20°54	21°55	2°51	6° 5	S 13
S 14	1 57 38	27°42'47	21°19	15°12	2° 6	15°29	17°19	17°13	15°24	9°31	7° 9	20°55	21°52	2°57	6° 4	S 14
M15	2 1 34	28°42'56	4♒16	14°50	3°20	16° 9	17°27	17°19	15°21	9°D31	7° 9	20°R55	21°49	3° 4	6° 2	M15
T 16	2 5 31	29°43'07	17°39	14°19	4°35	16°50	17°35	17°25	15°19	9°31	7° 8	20°54	21°46	3°11	6° 1	T 16
W17	2 9 27	0♏43'19	1♓29	13°38	5°49	17°30	17°42	17°32	15°16	9°31	7° 8	20°53	21°43	3°17	6° 0	W17
T 18	2 13 24	1°43'33	15°47	12°47	7° 4	18°10	17°50	17°38	15°14	9°31	7° 8	20°50	21°39	3°24	5°58	T 18
F 19	2 17 20	2°43'48	0♈30	11°48	8°18	18°51	17°57	17°44	15°12	9°31	7° 7	20°48	21°36	3°31	5°57	F 19
S 20	2 21 17	3°44'05	15°33	10°40	9°33	19°31	18° 4	17°50	15° 9	9°32	7° 7	20°45	21°33	3°37	5°56	S 20
S 21	2 25 13	4°44'23	0♉46	9°27	10°48	20°11	18°11	17°55	15° 7	9°32	7° 6	20°44	21°30	3°44	5°55	S 21
M22	2 29 10	5°44'43	16° 1	8° 9	12° 2	20°52	18°18	18° 1	15° 4	9°32	7° 6	20°D43	21°27	3°51	5°54	M22
T 23	2 33 7	6°45'06	1♊ 7	6°49	13°17	21°32	18°25	18° 7	15° 2	9°32	7° 5	20°43	21°24	3°57	5°53	T 23
W24	2 37 3	7°45'30	15°56	5°29	14°32	22°13	18°31	18°13	14°59	9°33	7° 5	20°44	21°20	4° 4	5°52	W24
T 25	2 41 0	8°45'55	0♋21	4°13	15°47	22°53	18°37	18°18	14°57	9°33	7° 4	20°45	21°17	4°11	5°51	T 25
F 26	2 44 56	9°46'23	14°20	3° 2	17° 2	23°34	18°44	18°24	14°54	9°33	7° 4	20°46	21°14	4°17	5°50	F 26
S 27	2 48 53	10°46'53	27°53	1°59	18°17	24°14	18°50	18°30	14°52	9°34	7° 3	20°47	21°11	4°24	5°49	S 27
S 28	2 52 49	11°47'24	11♌ 0	1° 6	19°32	24°55	18°56	18°35	14°49	9°34	7° 2	20°R47	21° 8	4°31	5°49	S 28
M29	2 56 46	12°47'58	23°45	0°23	20°46	25°36	19° 1	18°40	14°47	9°35	7° 2	20°47	21° 4	4°37	5°48	M29
T 30	3 0 42	13°48'33	6♍11	29♎52	22° 1	26°16	19° 7	18°46	14°44	9°35	7° 1	20°46	21° 1	4°44	5°47	T 30
W31	3 4 39	14♏49'10	18♍22	29♎33	23♎16	26♎57	19♌12	18♍51	14♉42	9♒36	7♋ 0	20♉46	20♉58	4♏51	5♓47	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s50	21n31	5n 9	17s20	2s53	6n50	1n25	2s 1	0n46	16n57	0n42	7n24	1n55	16n20	0s21	18s12	0s17	22n16	1s 5	18n12	18n30	10s19	4s16	5n17
T 2	6 13	17 27	5 10	17 42	2 56	6 23	1 26	2 17	0 45	16 54	0 42	7 21	1 55	16 19	0 21	18 12	0 17	22 16	1 5	18 10	18 29	10 22	4 17	5 17
W 3	6 36	12 44	4 56	18 1	2 59	5 55	1 27	2 34	0 45	16 51	0 42	7 19	1 56	16 19	0 21	18 12	0 17	22 16	1 5	18 9	18 28	10 25	4 18	5 17
T 4	6 59	7 35	4 29	18 19	3 1	5 27	1 29	2 50	0 45	16 49	0 42	7 16	1 56	16 18	0 21	18 12	0 17	22 16	1 5	18 7	18 27	10 28	4 19	5 17
F 5	7 22	2 12	3 51	18 35	3 3	4 58	1 30	3 6	0 44	16 46	0 43	7 14	1 56	16 17	0 21	18 12	0 17	22 16	1 5	18 5	18 26	10 31	4 20	5 16
S 6	7 45	3s13	3 3	18 49	3 4	4 30	1 31	3 22	0 44	16 44	0 43	7 11	1 56	16 17	0 21	18 13	0 17	22 16	1 5	18 4	18 25	10 34	4 21	5 16
S 7	8 7	8 31	2 7	19 0	3 4	4 2	1 32	3 38	0 43	16 41	0 43	7 9	1 56	16 16	0 21	18 13	0 17	22 16	1 5	18 3	18 25	10 37	4 22	5 16
M 8	8 30	13 29	1 5	19 9	3 3	3 33	1 33	3 54	0 43	16 39	0 43	7 6	1 56	16 16	0 21	18 13	0 17	22 16	1 5	18 3	18 24	10 41	4 23	5 16
T 9	8 52	17 59	0 1	19 15	3 1	3 4	1 33	4 10	0 43	16 37	0 43	7 4	1 56	16 15	0 21	18 13	0 17	22 16	1 5	18 2	18 23	10 44	4 24	5 15
W10	9 15	21 47	1s 4	19 18	2 58	2 35	1 34	4 26	0 42	16 34	0 44	7 2	1 57	16 14	0 21	18 13	0 17	22 17	1 5	18 2	18 22	10 47	4 24	5 15
T 11	9 37	24 43	2 6	19 17	2 54	2 6	1 35	4 42	0 42	16 32	0 44	6 59	1 57	16 14	0 21	18 13	0 17	22 17	1 5	18 3	18 21	10 50	4 25	5 15
F 12	9 59	26 34	3 4	19 14	2 48	1 37	1 35	4 58	0 41	16 30	0 44	6 57	1 57	16 13	0 21	18 13	0 17	22 17	1 5	18 3	18 21	10 53	4 26	5 14
S 13	10 21	27 9	3 54	19 6	2 41	1 8	1 36	5 14	0 41	16 27	0 44	6 54	1 57	16 12	0 21	18 13	0 17	22 17	1 5	18 4	18 20	10 56	4 27	5 14
S 14	10 42	26 22	4 35	18 54	2 33	0 38	1 36	5 30	0 40	16 25	0 44	6 52	1 57	16 12	0 21	18 13	0 17	22 17	1 5	18 4	18 19	10 59	4 28	5 14
M15	11 4	24 10	5 3	18 38	2 23	0 9	1 37	5 46	0 40	16 23	0 45	6 50	1 57	16 11	0 21	18 13	0 17	22 17	1 4	18 4	18 18	11 2	4 29	5 14
T 16	11 25	20 36	5 15	18 17	2 11	0s21	1 37	6 2	0 39	16 21	0 45	6 48	1 58	16 10	0 21	18 13	0 17	22 17	1 4	18 4	18 17	11 5	4 29	5 13
W17	11 47	15 49	5 10	17 52	1 58	0 50	1 37	6 18	0 39	16 19	0 45	6 45	1 58	16 10	0 21	18 13	0 17	22 17	1 4	18 3	18 16	11 8	4 30	5 13
T 18	12 8	10 2	4 47	17 22	1 42	1 20	1 37	6 34	0 39	16 17	0 45	6 43	1 58	16 9	0 21	18 13	0 17	22 17	1 4	18 3	18 16	11 11	4 31	5 13
F 19	12 28	3 31	4 3	16 48	1 26	1 49	1 37	6 50	0 38	16 15	0 46	6 41	1 58	16 8	0 21	18 13	0 17	22 17	1 4	18 2	18 15	11 14	4 32	5 12
S 20	12 49	3n20	3 3	16 9	1 7	2 19	1 37	7 5	0 38	16 13	0 46	6 39	1 58	16 7	0 21	18 13	0 17	22 17	1 4	18 1	18 14	11 17	4 32	5 12
S 21	13 10	10 6	1 48	15 28	0 48	2 48	1 37	7 21	0 37	16 11	0 46	6 37	1 59	16 7	0 21	18 13	0 17	22 17	1 4	18 1	18 13	11 20	4 33	5 12
M22	13 30	16 17	0 26	14 43	0 28	3 17	1 37	7 37	0 37	16 9	0 46	6 35	1 59	16 6	0 21	18 13	0 17	22 17	1 4	18 1	18 12	11 23	4 34	5 11
T 23	13 50	21 25	0n57	13 58	0 7	3 47	1 37	7 52	0 36	16 7	0 46	6 32	1 59	16 5	0 21	18 13	0 17	22 17	1 4	18 1	18 11	11 26	4 34	5 11
W24	14 10	25 3	2 15	13 12	0n14	4 16	1 37	8 8	0 36	16 5	0 47	6 30	1 59	16 5	0 21	18 13	0 17	22 17	1 4	18 1	18 11	11 29	4 35	5 11
T 25	14 29	26 55	3 23	12 27	0 34	4 46	1 36	8 23	0 35	16 3	0 47	6 28	1 59	16 4	0 21	18 12	0 17	22 17	1 4	18 1	18 10	11 32	4 36	5 10
F 26	14 48	27 0	4 16	11 45	0 53	5 15	1 36	8 39	0 35	16 1	0 47	6 26	2 0	16 3	0 21	18 12	0 17	22 17	1 4	18 2	18 9	11 35	4 36	5 10
S 27	15 8	25 27	4 53	11 7	1 11	5 44	1 35	8 54	0 34	16 0	0 47	6 24	2 0	16 2	0 21	18 12	0 17	22 18	1 4	18 2	18 8	11 38	4 37	5 10
S 28	15 26	22 33	5 13	10 33	1 27	6 13	1 35	9 10	0 34	15 58	0 48	6 22	2 0	16 2	0 21	18 12	0 17	22 18	1 4	18 2	18 7	11 42	4 37	5 10
M29	15 45	18 39	5 17	10 5	1 41	6 42	1 34	9 25	0 33	15 57	0 48	6 20	2 0	16 1	0 21	18 12	0 17	22 18	1 4	18 2	18 6	11 45	4 38	5 9
T 30	16 3	14 1	5 6	9 42	1 53	7 11	1 33	9 40	0 33	15 55	0 48	6 19	2 0	16 0	0 21	18 12	0 17	22 18	1 4	18 2	18 6	11 48	4 39	5 9
W31	16s21	8n56	4n42	9s26	2n 4	7s39	1n32	9s56	0n32	15n54	0n48	6n17	2n 1	15n59	0s21	18s12	0s17	22n18	1s 4	18n 1	18n 5	11s51	4s39	5n 9

Julian Day Number = 2153787.5, Delta T = 13m55s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'23, Lahiri = 12°29'23 Julian Calendar 1 Oct. 1184 == Greg. Calendar 8 Oct. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

NOVEMBER 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 36	15♏49'48	0♎22	29°D25	24♎32	27♎38	19♌18	18♍56	14°R39	9♒36	7°R 0	20°R45	20♉55	4♏57	5°R46	T 1
F 2	3 12 32	16°50'29	12°15	29♎28	25°47	28°19	19°23	19° 1	14♉37	9°37	6♋59	20♉44	20°52	5° 4	5♓46	F 2
S 3	3 16 29	17°51'10	24° 4	29°42	27° 2	29° 0	19°28	19° 6	14°34	9°38	6°58	20°44	20°49	5°10	5°45	S 3
S 4	3 20 25	18°51'54	5♏52	0♏ 5	28°17	29°41	19°33	19°11	14°32	9°38	6°57	20°44	20°45	5°17	5°45	S 4
M 5	3 24 22	19°52'39	17°40	0°37	29°32	0♏21	19°37	19°16	14°29	9°39	6°57	20°D44	20°42	5°24	5°45	M 5
T 6	3 28 18	20°53'25	29°31	1°17	0♏47	1° 2	19°42	19°21	14°27	9°40	6°56	20°R44	20°39	5°30	5°44	T 6
W 7	3 32 15	21°54'13	11♐28	2° 4	2° 2	1°43	19°46	19°25	14°24	9°40	6°55	20°43	20°36	5°37	5°44	W 7
T 8	3 36 11	22°55'01	23°31	2°57	3°17	2°24	19°50	19°30	14°22	9°41	6°54	20°43	20°33	5°44	5°44	T 8
F 9	3 40 8	23°55'51	5♑44	3°56	4°33	3° 5	19°54	19°35	14°19	9°42	6°53	20°43	20°30	5°50	5°D44	F 9
S 10	3 44 5	24°56'43	18° 9	4°59	5°48	3°47	19°58	19°39	14°17	9°43	6°52	20°42	20°26	5°57	5°44	S 10
S 11	3 48 1	25°57'35	0♒49	6° 6	7° 3	4°28	20° 1	19°44	14°14	9°44	6°52	20°42	20°23	6° 4	5°44	S 11
M12	3 51 58	26°58'28	13°46	7°17	8°18	5° 9	20° 5	19°48	14°12	9°45	6°51	20°41	20°20	6°10	5°44	M12
T 13	3 55 54	27°59'21	27° 2	8°31	9°34	5°50	20° 8	19°52	14°10	9°46	6°50	20°D41	20°17	6°17	5°45	T 13
W14	3 59 51	29° 0'16	10♓41	9°48	10°49	6°31	20°11	19°56	14° 7	9°47	6°49	20°41	20°14	6°24	5°45	W14
T 15	4 3 47	0♐ 1'11	24°43	11° 6	12° 4	7°13	20°14	20° 0	14° 5	9°48	6°48	20°42	20°10	6°30	5°45	T 15
F 16	4 7 44	1° 2'07	9♈ 7	12°27	13°20	7°54	20°16	20° 4	14° 2	9°49	6°47	20°43	20° 7	6°37	5°45	F 16
S 17	4 11 40	2° 3'04	23°51	13°49	14°35	8°35	20°19	20° 8	14° 0	9°50	6°46	20°44	20° 4	6°44	5°46	S 17
S 18	4 15 37	3° 4'02	8♉49	15°13	15°50	9°17	20°21	20°12	13°58	9°51	6°45	20°44	20° 1	6°50	5°46	S 18
M19	4 19 34	4° 5'00	23°55	16°38	17° 5	9°58	20°23	20°16	13°55	9°52	6°44	20°R45	19°58	6°57	5°47	M19
T 20	4 23 30	5° 5'59	8♊58	18° 4	18°21	10°39	20°25	20°19	13°53	9°53	6°43	20°44	19°55	7° 4	5°47	T 20
W21	4 27 27	6° 7'00	23°51	19°31	19°36	11°21	20°27	20°23	13°51	9°55	6°42	20°43	19°51	7°10	5°48	W21
T 22	4 31 23	7° 8'01	8♋26	20°58	20°52	12° 2	20°28	20°26	13°49	9°56	6°41	20°41	19°48	7°17	5°49	T 22
F 23	4 35 20	8° 9'03	22°36	22°27	22° 7	12°44	20°30	20°29	13°46	9°57	6°40	20°38	19°45	7°23	5°50	F 23
S 24	4 39 16	9°10'07	6♌19	23°55	23°22	13°25	20°31	20°33	13°44	9°58	6°38	20°36	19°42	7°30	5°50	S 24
S 25	4 43 13	10°11'11	19°35	25°25	24°38	14° 7	20°32	20°36	13°42	10° 0	6°37	20°34	19°39	7°37	5°51	S 25
M26	4 47 10	11°12'16	2♍25	26°55	25°53	14°49	20°32	20°39	13°40	10° 1	6°36	20°33	19°36	7°43	5°52	M26
T 27	4 51 6	12°13'22	14°53	28°25	27° 9	15°30	20°33	20°42	13°38	10° 3	6°35	20°D32	19°32	7°50	5°53	T 27
W28	4 55 3	13°14'29	27° 4	29°55	28°24	16°12	20°33	20°45	13°36	10° 4	6°34	20°33	19°29	7°57	5°54	W28
T 29	4 58 59	14°15'36	9♎ 2	1♐26	29°39	16°54	20°R34	20°47	13°33	10° 5	6°33	20°35	19°26	8° 3	5°55	T 29
F 30	5 2 56	15♐16'45	20♎52	2♐57	0♐55	17♏36	20♌34	20♍50	13♉31	10♒ 7	6♋32	20♉36	19♉23	8♏10	5♓57	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s39	3n36	4n 5	9s15	2n12	8s 8	1n31	10s11	0n32	15n52	0n48	6n15	2n 1	15n59	0s21	18s12	0s17	22n18	1s 4	18n 1	18n 4	11s54	4s40	5n 8
F 2	16 57	1s50	3 18	9 11	2 18	8 36	1 30	10 26	0 31	15 51	0 49	6 13	2 1	15 58	0 21	18 11	0 17	22 18	1 4	18 1	18 3	11 57	4 40	5 8
S 3	17 14	7 10	2 23	9 11	2 23	9 4	1 29	10 41	0 31	15 49	0 49	6 11	2 1	15 57	0 21	18 11	0 17	22 18	1 4	18 1	18 2	12 0	4 41	5 8
S 4	17 31	12 15	1 22	9 16	2 26	9 32	1 28	10 56	0 30	15 48	0 49	6 10	2 1	15 56	0 21	18 11	0 17	22 18	1 4	18 1	18 1	12 3	4 41	5 7
M 5	17 47	16 54	0 17	9 26	2 28	10 0	1 27	11 11	0 30	15 47	0 49	6 8	2 2	15 56	0 21	18 11	0 17	22 18	1 4	18 1	18 1	12 6	4 41	5 7
T 6	18 3	20 56	0s49	9 39	2 29	10 27	1 26	11 26	0 29	15 46	0 50	6 6	2 2	15 55	0 21	18 11	0 17	22 18	1 4	18 1	18 0	12 9	4 42	5 6
W 7	18 19	24 7	1 53	9 56	2 28	10 55	1 25	11 40	0 29	15 45	0 50	6 5	2 2	15 54	0 21	18 10	0 17	22 18	1 4	18 1	17 59	12 12	4 42	5 6
T 8	18 35	26 16	2 52	10 16	2 26	11 21	1 24	11 55	0 28	15 43	0 50	6 3	2 2	15 54	0 21	18 10	0 17	22 18	1 4	18 1	17 58	12 15	4 42	5 6
F 9	18 50	27 10	3 45	10 38	2 23	11 48	1 22	12 10	0 28	15 42	0 50	6 1	2 3	15 53	0 21	18 10	0 17	22 19	1 3	18 1	17 57	12 18	4 43	5 5
S 10	19 5	26 44	4 28	11 3	2 20	12 15	1 21	12 24	0 27	15 42	0 51	6 0	2 3	15 52	0 21	18 10	0 17	22 19	1 3	18 1	17 56	12 21	4 43	5 5
S 11	19 20	24 55	4 59	11 29	2 16	12 41	1 19	12 39	0 27	15 41	0 51	5 58	2 3	15 51	0 21	18 10	0 17	22 19	1 3	18 0	17 55	12 24	4 43	5 5
M12	19 34	21 48	5 15	11 56	2 11	13 7	1 18	12 53	0 26	15 40	0 51	5 57	2 3	15 51	0 21	18 9	0 17	22 19	1 3	18 0	17 55	12 27	4 44	5 4
T 13	19 48	17 29	5 16	12 25	2 6	13 32	1 16	13 7	0 26	15 39	0 51	5 55	2 4	15 50	0 21	18 9	0 17	22 19	1 3	18 0	17 54	12 30	4 44	5 4
W14	20 2	12 11	4 59	12 55	2 0	13 57	1 14	13 21	0 25	15 38	0 52	5 54	2 4	15 49	0 21	18 9	0 17	22 19	1 3	18 0	17 53	12 33	4 44	5 4
T 15	20 15	6 8	4 24	13 25	1 54	14 22	1 13	13 35	0 25	15 38	0 52	5 53	2 4	15 49	0 21	18 9	0 17	22 19	1 3	18 0	17 52	12 36	4 44	5 3
F 16	20 28	0n24	3 31	13 56	1 48	14 47	1 11	13 49	0 24	15 37	0 52	5 51	2 4	15 48	0 20	18 8	0 17	22 19	1 3	18 1	17 51	12 39	4 45	5 3
S 17	20 40	7 4	2 24	14 26	1 42	15 11	1 9	14 3	0 24	15 36	0 52	5 50	2 5	15 47	0 20	18 8	0 17	22 19	1 3	18 1	17 50	12 42	4 45	5 3
S 18	20 52	13 28	1 6	14 58	1 35	15 35	1 7	14 17	0 23	15 36	0 53	5 49	2 5	15 46	0 20	18 8	0 17	22 19	1 3	18 1	17 49	12 45	4 45	5 2
M19	21 3	19 7	0n18	15 29	1 28	15 58	1 6	14 31	0 22	15 36	0 53	5 47	2 5	15 46	0 20	18 7	0 17	22 20	1 3	18 1	17 49	12 48	4 45	5 2
T 20	21 15	23 32	1 39	16 0	1 21	16 21	1 4	14 44	0 22	15 35	0 53	5 46	2 5	15 45	0 20	18 7	0 17	22 20	1 3	18 1	17 48	12 51	4 45	5 2
W21	21 26	26 17	2 53	16 30	1 14	16 43	1 2	14 58	0 21	15 35	0 53	5 45	2 6	15 44	0 20	18 7	0 17	22 20	1 3	18 1	17 47	12 54	4 45	5 1
T 22	21 36	27 11	3 54	17 1	1 7	17 5	1 0	15 11	0 21	15 35	0 54	5 44	2 6	15 44	0 20	18 6	0 17	22 20	1 3	18 0	17 46	12 57	4 45	5 1
F 23	21 46	26 14	4 39	17 30	0 59	17 27	0 58	15 24	0 20	15 34	0 54	5 43	2 6	15 43	0 20	18 6	0 17	22 20	1 3	17 59	17 45	13 0	4 45	5 1
S 24	21 55	23 43	5 6	18 0	0 52	17 48	0 56	15 38	0 20	15 34	0 54	5 42	2 6	15 43	0 20	18 6	0 17	22 20	1 3	17 59	17 44	13 3	4 45	5 0
S 25	22 5	20 0	5 16	18 29	0 45	18 9	0 54	15 51	0 19	15 34	0 54	5 41	2 7	15 42	0 20	18 5	0 17	22 20	1 3	17 58	17 43	13 6	4 45	5 0
M26	22 13	15 28	5 9	18 57	0 37	18 29	0 51	16 4	0 18	15 34	0 55	5 40	2 7	15 41	0 20	18 5	0 17	22 20	1 3	17 58	17 43	13 9	4 45	5 0
T 27	22 22	10 24	4 48	19 24	0 30	18 49	0 49	16 16	0 18	15 34	0 55	5 39	2 7	15 41	0 20	18 5	0 17	22 20	1 3	17 58	17 42	13 12	4 45	4 59
W28	22 29	5 3	4 14	19 51	0 23	19 8	0 47	16 29	0 17	15 35	0 55	5 38	2 7	15 40	0 20	18 4	0 17	22 20	1 3	17 58	17 41	13 15	4 45	4 59
T 29	22 37	0s23	3 30	20 17	0 16	19 26	0 45	16 42	0 17	15 35	0 56	5 37	2 8	15 39	0 20	18 4	0 17	22 21	1 3	17 58	17 40	13 18	4 45	4 59
F 30	22s44	5s45	2n37	20s42	0n 8	19s44	0n42	16s54	0n16	15n35	0n56	5n37	2n 8	15n39	0s20	18s 3	0s17	22n21	1s 2	17n59	17n39	13s21	4s45	4n58

Julian Day Number = 2153818.5, Delta T = 13m54s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'27, Lahiri = 12°29'28 Julian Calendar 1 Nov. 1184 == Greg. Calendar 8 Nov. 1184

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ASTRODIENST EPHEMERIS for the year 1184
geocentric

DECEMBER 1184 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 52	16♐17'54	2♏38	4♐29	2♐10	18♏18	20°R33	20♍52	13°R29	10♒ 8	6°R30	20♉38	19♉20	8♏17	5♓58	S 1
S 2	5 10 49	17°19'04	14°26	6° 0	3°26	19° 0	20♌33	20°55	13♉27	10°10	6♋29	20°39	19°16	8°23	5°59	S 2
M 3	5 14 45	18°20'15	26°17	7°32	4°41	19°41	20°32	20°57	13°26	10°12	6°28	20°R39	19°13	8°30	6° 1	M 3
T 4	5 18 42	19°21'26	8♐15	9° 4	5°57	20°23	20°31	20°59	13°24	10°13	6°27	20°38	19°10	8°37	6° 2	T 4
W 5	5 22 39	20°22'37	20°23	10°37	7°12	21° 5	20°30	21° 2	13°22	10°15	6°26	20°35	19° 7	8°43	6° 3	W 5
T 6	5 26 35	21°23'49	2♑41	12°10	8°27	21°47	20°29	21° 4	13°20	10°16	6°24	20°30	19° 4	8°50	6° 5	T 6
F 7	5 30 32	22°25'02	15°10	13°42	9°43	22°29	20°28	21° 5	13°18	10°18	6°23	20°25	19° 1	8°57	6° 6	F 7
S 8	5 34 28	23°26'14	27°52	15°16	10°58	23°12	20°26	21° 7	13°16	10°20	6°22	20°19	18°57	9° 3	6° 8	S 8
S 9	5 38 25	24°27'26	10♒47	16°49	12°14	23°54	20°24	21° 9	13°15	10°21	6°21	20°13	18°54	9°10	6°10	S 9
M10	5 42 21	25°28'38	23°54	18°23	13°29	24°36	20°22	21°11	13°13	10°23	6°20	20° 8	18°51	9°16	6°11	M10
T 11	5 46 18	26°29'51	7♓16	19°57	14°45	25°18	20°20	21°12	13°11	10°25	6°18	20° 5	18°48	9°23	6°13	T 11
W12	5 50 14	27°31'02	20°52	21°31	16° 0	26° 0	20°18	21°13	13°10	10°27	6°17	20° 3	18°45	9°30	6°15	W12
T 13	5 54 11	28°32'14	4♈44	23° 5	17°16	26°42	20°15	21°15	13° 8	10°28	6°16	20°D 3	18°42	9°36	6°17	T 13
F 14	5 58 8	29°33'25	18°50	24°40	18°31	27°25	20°13	21°16	13° 7	10°30	6°14	20° 4	18°38	9°43	6°19	F 14
S 15	6 2 4	0♑34'36	3♉11	26°16	19°47	28° 7	20°10	21°17	13° 5	10°32	6°13	20° 6	18°35	9°50	6°21	S 15
S 16	6 6 1	1°35'47	17°44	27°51	21° 2	28°49	20° 6	21°18	13° 4	10°34	6°12	20°R 7	18°32	9°56	6°23	S 16
M17	6 9 57	2°36'57	2♊25	29°27	22°17	29°32	20° 3	21°19	13° 2	10°36	6°11	20° 6	18°29	10° 3	6°25	M17
T 18	6 13 54	3°38'08	17° 8	1♑ 3	23°33	0♐14	20° 0	21°19	13° 1	10°38	6° 9	20° 3	18°26	10°10	6°27	T 18
W19	6 17 50	4°39'17	1♋47	2°40	24°48	0°57	19°56	21°20	13° 0	10°40	6° 8	19°59	18°22	10°16	6°29	W19
T 20	6 21 47	5°40'27	16°14	4°17	26° 4	1°39	19°52	21°21	12°58	10°42	6° 7	19°52	18°19	10°23	6°31	T 20
F 21	6 25 43	6°41'37	0♌23	5°55	27°19	2°22	19°48	21°21	12°57	10°43	6° 6	19°44	18°16	10°30	6°34	F 21
S 22	6 29 40	7°42'46	14° 9	7°33	28°35	3° 4	19°44	21°21	12°56	10°45	6° 4	19°36	18°13	10°36	6°36	S 22
S 23	6 33 37	8°43'55	27°29	9°11	29°50	3°47	19°40	21°22	12°55	10°47	6° 3	19°28	18°10	10°43	6°38	S 23
M24	6 37 33	9°45'04	10♍25	10°50	1♑ 5	4°30	19°35	21°R22	12°54	10°49	6° 2	19°22	18° 7	10°50	6°41	M24
T 25	6 41 30	10°46'12	22°57	12°29	2°21	5°12	19°30	21°22	12°53	10°51	6° 1	19°18	18° 3	10°56	6°43	T 25
W26	6 45 26	11°47'21	5♎11	14° 9	3°36	5°55	19°25	21°22	12°52	10°54	5°59	19°16	18° 0	11° 3	6°46	W26
T 27	6 49 23	12°48'29	17°10	15°49	4°52	6°38	19°20	21°21	12°51	10°56	5°58	19°D16	17°57	11° 9	6°48	T 27
F 28	6 53 19	13°49'37	29° 0	17°30	6° 7	7°20	19°15	21°21	12°50	10°58	5°57	19°17	17°54	11°16	6°51	F 28
S 29	6 57 16	14°50'45	10♏47	19°12	7°22	8° 3	19°10	21°20	12°49	11° 0	5°56	19°18	17°51	11°23	6°53	S 29
S 30	7 1 12	15°51'52	22°35	20°53	8°38	8°46	19° 4	21°20	12°48	11° 2	5°54	19°R18	17°48	11°29	6°56	S 30
M31	7 5 9	16♑52'59	4♐30	22♑35	9♑53	9♐29	18♌59	21♍19	12♉48	11♒ 4	5♋53	19♉17	17♉44	11♏36	6♓59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s50	10s55	1n38	21s 7	0n 1	20s 2	0n40	17s 6	0n16	15n35	0n56	5n36	2n 8	15n38	0s20	18s 3	0s17	22n21	1s 2	17n59	17n38	13s24	4s45	4n58
S 2	22 56	15 42	0 34	21 30	0s 6	20 19	0 38	17 18	0 15	15 36	0 56	5 35	2 9	15 38	0 20	18 3	0 17	22 21	1 2	18 0	17 37	13 27	4 45	4 58
M 3	23 2	19 55	0s31	21 52	0 13	20 35	0 36	17 30	0 14	15 36	0 57	5 34	2 9	15 37	0 20	18 2	0 17	22 21	1 2	18 0	17 37	13 29	4 44	4 57
T 4	23 7	23 21	1 35	22 14	0 19	20 51	0 33	17 42	0 14	15 37	0 57	5 34	2 9	15 37	0 20	18 2	0 17	22 21	1 2	17 59	17 36	13 32	4 44	4 57
W 5	23 12	25 47	2 36	22 34	0 26	21 6	0 31	17 54	0 13	15 37	0 57	5 33	2 9	15 36	0 20	18 1	0 17	22 21	1 2	17 59	17 35	13 35	4 44	4 57
T 6	23 16	27 1	3 30	22 53	0 33	21 21	0 28	18 6	0 12	15 38	0 57	5 33	2 10	15 35	0 20	18 1	0 17	22 21	1 2	17 57	17 34	13 38	4 44	4 56
F 7	23 20	26 54	4 15	23 12	0 39	21 35	0 26	18 17	0 12	15 39	0 58	5 32	2 10	15 35	0 20	18 0	0 17	22 21	1 2	17 56	17 33	13 41	4 43	4 56
S 8	23 23	25 23	4 48	23 29	0 45	21 48	0 24	18 28	0 11	15 39	0 58	5 32	2 10	15 34	0 20	18 0	0 17	22 22	1 2	17 54	17 32	13 44	4 43	4 56
S 9	23 26	22 32	5 7	23 45	0 51	22 1	0 21	18 40	0 11	15 40	0 58	5 31	2 10	15 34	0 20	18 0	0 17	22 22	1 2	17 53	17 31	13 47	4 43	4 55
M10	23 28	18 29	5 11	23 59	0 57	22 13	0 19	18 51	0 10	15 41	0 58	5 31	2 11	15 33	0 20	17 59	0 17	22 22	1 2	17 51	17 30	13 50	4 42	4 55
T 11	23 30	13 29	4 58	24 13	1 3	22 24	0 16	19 1	0 9	15 42	0 59	5 31	2 11	15 33	0 20	17 59	0 17	22 22	1 2	17 51	17 30	13 53	4 42	4 55
W12	23 31	7 44	4 28	24 25	1 9	22 35	0 14	19 12	0 9	15 43	0 59	5 30	2 11	15 32	0 20	17 58	0 17	22 22	1 2	17 50	17 29	13 56	4 42	4 55
T 13	23 32	1 30	3 42	24 36	1 14	22 45	0 11	19 23	0 8	15 44	0 59	5 30	2 12	15 32	0 20	17 58	0 17	22 22	1 2	17 50	17 28	13 59	4 41	4 54
F 14	23 33	4n55	2 42	24 46	1 19	22 54	0 9	19 33	0 7	15 45	0 59	5 30	2 12	15 32	0 20	17 57	0 17	22 22	1 2	17 50	17 27	14 2	4 41	4 54
S 15	23 33	11 13	1 31	24 54	1 24	23 2	0 7	19 43	0 7	15 46	1 0	5 30	2 12	15 31	0 20	17 57	0 17	22 22	1 2	17 51	17 26	14 5	4 40	4 54
S 16	23 32	16 59	0 13	25 1	1 29	23 10	0 4	19 53	0 6	15 48	1 0	5 29	2 12	15 31	0 20	17 56	0 17	22 23	1 2	17 51	17 25	14 8	4 40	4 53
M17	23 31	21 49	1n 6	25 6	1 33	23 18	0 2	20 3	0 5	15 49	1 0	5 29	2 13	15 30	0 20	17 56	0 17	22 23	1 2	17 51	17 24	14 11	4 40	4 53
T 18	23 30	25 16	2 21	25 10	1 38	23 24	0s 1	20 13	0 5	15 50	1 0	5 29	2 13	15 30	0 20	17 55	0 17	22 23	1 1	17 50	17 23	14 14	4 39	4 53
W19	23 28	26 58	3 26	25 13	1 42	23 30	0 3	20 22	0 4	15 52	1 1	5 29	2 13	15 30	0 20	17 55	0 17	22 23	1 1	17 49	17 22	14 17	4 38	4 52
T 20	23 25	26 48	4 17	25 14	1 45	23 35	0 6	20 32	0 3	15 53	1 1	5 29	2 14	15 29	0 20	17 54	0 17	22 23	1 1	17 47	17 22	14 19	4 38	4 52
F 21	23 23	24 53	4 51	25 14	1 49	23 39	0 8	20 41	0 3	15 55	1 1	5 30	2 14	15 29	0 20	17 54	0 17	22 23	1 1	17 45	17 21	14 22	4 37	4 52
S 22	23 19	21 32	5 6	25 12	1 52	23 43	0 10	20 50	0 2	15 56	1 1	5 30	2 14	15 29	0 20	17 53	0 17	22 23	1 1	17 43	17 20	14 25	4 37	4 52
S 23	23 15	17 10	5 5	25 8	1 55	23 46	0 13	20 59	0 1	15 58	1 2	5 30	2 14	15 28	0 20	17 52	0 17	22 23	1 1	17 41	17 19	14 28	4 36	4 51
M24	23 11	12 7	4 48	25 3	1 57	23 48	0 15	21 7	0 1	15 59	1 2	5 30	2 15	15 28	0 20	17 52	0 17	22 23	1 1	17 39	17 18	14 31	4 36	4 51
T 25	23 6	6 44	4 17	24 57	2 0	23 49	0 18	21 16	0 0	16 1	1 2	5 30	2 15	15 28	0 20	17 51	0 17	22 24	1 1	17 38	17 17	14 34	4 35	4 51
W26	23 1	1 13	3 35	24 48	2 2	23 50	0 20	21 24	0s 1	16 3	1 2	5 31	2 15	15 27	0 20	17 51	0 17	22 24	1 1	17 37	17 16	14 37	4 34	4 50
T 27	22 56	4s15	2 44	24 38	2 3	23 50	0 22	21 32	0 1	16 5	1 3	5 31	2 16	15 27	0 20	17 50	0 17	22 24	1 1	17 37	17 15	14 40	4 34	4 50
F 28	22 49	9 30	1 47	24 27	2 4	23 49	0 25	21 40	0 2	16 7	1 3	5 31	2 16	15 27	0 20	17 50	0 17	22 24	1 1	17 37	17 15	14 43	4 33	4 50
S 29	22 43	14 24	0 46	24 13	2 5	23 47	0 27	21 48	0 3	16 8	1 3	5 32	2 16	15 27	0 20	17 49	0 17	22 24	1 1	17 38	17 14	14 46	4 32	4 50
S 30	22 36	18 47	0s18	23 58	2 5	23 45	0 29	21 55	0 4	16 10	1 3	5 32	2 16	15 26	0 20	17 49	0 17	22 24	1 1	17 38	17 13	14 49	4 31	4 49
M31	22s28	22s28	1s21	23s42	2s 5	23s42	0s31	22s 3	0s 4	16n12	1n 4	5n33	2n17	15n26	0s20	17s48	0s17	22n24	1s 1	17n37	17n12	14s51	4s31	4n49

Julian Day Number = 2153848.5, Delta T = 13m54s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'31, Lahiri = 12°29'32 Julian Calendar 1 Dec. 1184 == Greg. Calendar 8 Dec. 1184

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

JANUARY 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 6	17♑54'06	16♐36	24♑18	11♑ 9	10♐12	18°R53	21°R18	12°R47	11♒ 6	5°R52	19°R13	17♉41	11♏43	7♓ 1	T 1
W 2	7 13 2	18°55'12	28°54	26° 1	12°24	10°55	18♌47	21♍18	12♉46	11° 8	5♋51	19♉ 6	17°38	11°49	7° 4	W 2
T 3	7 16 59	19°56'17	11♑28	27°44	13°39	11°38	18°41	21°17	12°46	11°10	5°49	18°58	17°35	11°56	7° 7	T 3
F 4	7 20 55	20°57'22	24°17	29°28	14°55	12°21	18°35	21°15	12°45	11°12	5°48	18°47	17°32	12° 3	7°10	F 4
S 5	7 24 52	21°58'26	7♒21	1♒11	16°10	13° 4	18°28	21°14	12°45	11°15	5°47	18°35	17°28	12° 9	7°13	S 5
S 6	7 28 48	22°59'29	20°39	2°55	17°25	13°47	18°22	21°13	12°44	11°17	5°46	18°24	17°25	12°16	7°16	S 6
M 7	7 32 45	24° 0'30	4♓ 9	4°39	18°41	14°30	18°15	21°12	12°44	11°19	5°44	18°13	17°22	12°23	7°19	M 7
T 8	7 36 42	25° 1'31	17°48	6°22	19°56	15°13	18° 8	21°10	12°44	11°21	5°43	18° 6	17°19	12°29	7°22	T 8
W 9	7 40 38	26° 2'30	1♈36	8° 6	21°12	15°57	18° 2	21° 8	12°43	11°23	5°42	18° 1	17°16	12°36	7°25	W 9
T 10	7 44 35	27° 3'28	15°30	9°48	22°27	16°40	17°55	21° 7	12°43	11°26	5°41	17°58	17°13	12°43	7°28	T 10
F 11	7 48 31	28° 4'25	29°31	11°30	23°42	17°23	17°48	21° 5	12°43	11°28	5°40	17°D58	17° 9	12°49	7°31	F 11
S 12	7 52 28	29° 5'20	13♉37	13°11	24°57	18° 6	17°41	21° 3	12°43	11°30	5°39	17°R58	17° 6	12°56	7°34	S 12
S 13	7 56 24	0♒ 6'15	27°49	14°50	26°13	18°50	17°33	21° 1	12°D43	11°32	5°37	17°58	17° 3	13° 2	7°37	S 13
M14	8 0 21	1° 7'07	12♊ 4	16°28	27°28	19°33	17°26	20°59	12°43	11°35	5°36	17°56	17° 0	13° 9	7°40	M14
T 15	8 4 17	2° 7'59	26°19	18° 4	28°43	20°16	17°19	20°57	12°43	11°37	5°35	17°51	16°57	13°16	7°44	T 15
W16	8 8 14	3° 8'49	10♋31	19°37	29°59	21° 0	17°11	20°54	12°43	11°39	5°34	17°43	16°54	13°22	7°47	W16
T 17	8 12 11	4° 9'37	24°36	21° 6	1♒14	21°43	17° 4	20°52	12°43	11°41	5°33	17°33	16°50	13°29	7°50	T 17
F 18	8 16 7	5°10'25	8♌28	22°32	2°29	22°27	16°56	20°49	12°44	11°44	5°32	17°21	16°47	13°36	7°54	F 18
S 19	8 20 4	6°11'11	22° 2	23°54	3°44	23°10	16°49	20°47	12°44	11°46	5°31	17° 8	16°44	13°42	7°57	S 19
S 20	8 24 0	7°11'55	5♍17	25°10	4°59	23°54	16°41	20°44	12°44	11°48	5°30	16°56	16°41	13°49	8° 0	S 20
M21	8 27 57	8°12'39	18°10	26°20	6°15	24°37	16°33	20°41	12°44	11°50	5°29	16°45	16°38	13°56	8° 4	M21
T 22	8 31 53	9°13'21	0♎42	27°24	7°30	25°21	16°25	20°38	12°45	11°53	5°28	16°37	16°34	14° 2	8° 7	T 22
W23	8 35 50	10°14'02	12°57	28°20	8°45	26° 4	16°17	20°36	12°45	11°55	5°27	16°32	16°31	14° 9	8°10	W23
T 24	8 39 46	11°14'42	24°58	29° 9	10° 0	26°48	16°10	20°33	12°46	11°57	5°26	16°30	16°28	14°16	8°14	T 24
F 25	8 43 43	12°15'21	6♏49	29°49	11°15	27°32	16° 2	20°29	12°47	12° 0	5°25	16°29	16°25	14°22	8°17	F 25
S 26	8 47 40	13°15'58	18°37	0♓19	12°31	28°15	15°54	20°26	12°47	12° 2	5°24	16°29	16°22	14°29	8°21	S 26
S 27	8 51 36	14°16'34	0♐26	0°39	13°46	28°59	15°46	20°23	12°48	12° 4	5°23	16°28	16°19	14°36	8°24	S 27
M28	8 55 33	15°17'09	12°23	0°R50	15° 1	29°43	15°38	20°20	12°49	12° 6	5°22	16°26	16°15	14°42	8°28	M28
T 29	8 59 29	16°17'43	24°32	0°49	16°16	0♑27	15°30	20°16	12°49	12° 9	5°21	16°22	16°12	14°49	8°32	T 29
W30	9 3 26	17°18'16	6♑57	0°39	17°31	1°11	15°22	20°13	12°50	12°11	5°20	16°15	16° 9	14°55	8°35	W30
T 31	9 7 22	18♒18'47	19♑42	0♓18	18♒46	1♑54	15♌14	20♍ 9	12♉51	12♒13	5♋19	16♉ 5	16♉ 6	15♏ 2	8♓39	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	☊	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s21	25s12	2s21	23s23	2s 4	23s38	0s34	22s10	0s 5	16n14	1n 4	5n33	2n17	15n26	0s20	17s47	0s17	22n24	1s 1	17n36	17n11	14s54	4s30	4n49
W 2	22 12	26 48	3 15	23 3	2 3	23 34	0 36	22 16	0 6	16 17	1 4	5 34	2 17	15 26	0 20	17 47	0 17	22 25	1 0	17 35	17 10	14 57	4 29	4 49
T 3	22 4	27 3	4 1	22 41	2 1	23 28	0 38	22 23	0 6	16 19	1 4	5 35	2 18	15 26	0 20	17 46	0 17	22 25	1 0	17 32	17 9	15 0	4 28	4 48
F 4	21 54	25 53	4 36	22 18	1 59	23 22	0 40	22 30	0 7	16 21	1 4	5 35	2 18	15 26	0 19	17 46	0 17	22 25	1 0	17 29	17 8	15 3	4 28	4 48
S 5	21 45	23 18	4 57	21 53	1 56	23 16	0 42	22 36	0 8	16 23	1 5	5 36	2 18	15 25	0 19	17 45	0 17	22 25	1 0	17 26	17 7	15 6	4 27	4 48
S 6	21 35	19 27	5 3	21 26	1 53	23 8	0 44	22 42	0 9	16 25	1 5	5 37	2 18	15 25	0 19	17 44	0 17	22 25	1 0	17 23	17 6	15 9	4 26	4 48
M 7	21 24	14 33	4 52	20 57	1 49	23 0	0 46	22 48	0 9	16 27	1 5	5 38	2 19	15 25	0 19	17 44	0 17	22 25	1 0	17 20	17 6	15 12	4 25	4 47
T 8	21 13	8 53	4 24	20 27	1 44	22 51	0 48	22 53	0 10	16 30	1 5	5 39	2 19	15 25	0 19	17 43	0 17	22 25	1 0	17 18	17 5	15 14	4 24	4 47
W 9	21 2	2 44	3 40	19 55	1 39	22 42	0 50	22 59	0 11	16 32	1 5	5 39	2 19	15 25	0 19	17 43	0 17	22 25	1 0	17 16	17 4	15 17	4 23	4 47
T 10	20 50	3n37	2 43	19 22	1 33	22 31	0 52	23 4	0 12	16 34	1 6	5 40	2 19	15 25	0 19	17 42	0 17	22 26	1 0	17 16	17 3	15 20	4 22	4 47
F 11	20 38	9 51	1 36	18 48	1 26	22 21	0 54	23 9	0 12	16 37	1 6	5 41	2 20	15 25	0 19	17 41	0 17	22 26	1 0	17 16	17 2	15 23	4 21	4 47
S 12	20 26	15 38	0 23	18 12	1 19	22 9	0 56	23 14	0 13	16 39	1 6	5 42	2 20	15 25	0 19	17 41	0 17	22 26	1 0	17 16	17 1	15 26	4 20	4 46
S 13	20 13	20 36	0n52	17 35	1 11	21 57	0 58	23 18	0 14	16 41	1 6	5 43	2 20	15 25	0 19	17 40	0 17	22 26	1 0	17 16	17 0	15 29	4 19	4 46
M14	20 0	24 23	2 4	16 57	1 2	21 44	0 59	23 23	0 15	16 44	1 6	5 44	2 20	15 25	0 19	17 40	0 17	22 26	1 0	17 15	16 59	15 32	4 18	4 46
T 15	19 46	26 38	3 8	16 18	0 52	21 30	1 1	23 27	0 15	16 46	1 6	5 46	2 21	15 25	0 19	17 39	0 17	22 26	1 0	17 14	16 58	15 34	4 17	4 46
W16	19 32	27 7	4 0	15 39	0 41	21 16	1 3	23 30	0 16	16 49	1 7	5 47	2 21	15 25	0 19	17 38	0 17	22 26	0 59	17 12	16 57	15 37	4 16	4 46
T 17	19 18	25 51	4 37	15 0	0 30	21 1	1 4	23 34	0 17	16 51	1 7	5 48	2 21	15 25	0 19	17 38	0 17	22 26	0 59	17 9	16 57	15 40	4 15	4 45
F 18	19 4	23 0	4 57	14 20	0 17	20 46	1 6	23 37	0 18	16 54	1 7	5 49	2 21	15 25	0 19	17 37	0 17	22 27	0 59	17 5	16 56	15 43	4 14	4 45
S 19	18 49	18 57	5 0	13 41	0 4	20 30	1 7	23 41	0 19	16 56	1 7	5 50	2 22	15 26	0 19	17 36	0 17	22 27	0 59	17 1	16 55	15 46	4 13	4 45
S 20	18 33	14 2	4 46	13 2	0n10	20 13	1 9	23 44	0 19	16 58	1 7	5 52	2 22	15 26	0 19	17 36	0 17	22 27	0 59	16 58	16 54	15 49	4 12	4 45
M21	18 18	8 39	4 17	12 25	0 24	19 56	1 10	23 46	0 20	17 1	1 7	5 53	2 22	15 26	0 19	17 35	0 17	22 27	0 59	16 55	16 53	15 51	4 11	4 45
T 22	18 2	3 2	3 37	11 49	0 39	19 38	1 11	23 49	0 21	17 3	1 7	5 54	2 22	15 26	0 19	17 35	0 17	22 27	0 59	16 53	16 52	15 54	4 10	4 44
W23	17 45	2s34	2 48	11 15	0 55	19 19	1 13	23 51	0 22	17 6	1 8	5 56	2 23	15 26	0 19	17 34	0 17	22 27	0 59	16 51	16 51	15 57	4 9	4 44
T 24	17 29	7 59	1 51	10 43	1 11	19 0	1 14	23 53	0 22	17 8	1 8	5 57	2 23	15 26	0 19	17 33	0 17	22 27	0 59	16 51	16 50	16 0	4 8	4 44
F 25	17 12	13 3	0 51	10 14	1 27	18 41	1 15	23 55	0 23	17 11	1 8	5 58	2 23	15 26	0 19	17 33	0 17	22 27	0 59	16 50	16 49	16 3	4 7	4 44
S 26	16 55	17 37	0s11	9 48	1 44	18 21	1 16	23 56	0 24	17 13	1 8	6 0	2 23	15 27	0 19	17 32	0 17	22 27	0 59	16 50	16 48	16 6	4 5	4 44
S 27	16 37	21 32	1 13	9 25	2 0	18 0	1 17	23 57	0 25	17 16	1 8	6 1	2 23	15 27	0 19	17 31	0 17	22 28	0 59	16 50	16 47	16 8	4 4	4 44
M28	16 19	24 34	2 13	9 7	2 16	17 39	1 18	23 59	0 26	17 18	1 8	6 3	2 24	15 27	0 19	17 31	0 17	22 28	0 59	16 50	16 47	16 11	4 3	4 43
T 29	16 1	26 33	3 7	8 52	2 31	17 18	1 19	23 59	0 27	17 21	1 8	6 4	2 24	15 27	0 19	17 30	0 17	22 28	0 59	16 48	16 46	16 14	4 2	4 43
W30	15 43	27 15	3 53	8 42	2 46	16 55	1 20	24 0	0 27	17 23	1 8	6 6	2 24	15 28	0 19	17 30	0 17	22 28	0 58	16 46	16 45	16 17	4 1	4 43
T 31	15s24	26s32	4s29	8s37	3n 0	16s33	1s21	24s 0	0s28	17n26	1n 8	6n 8	2n24	15n28	0s19	17s29	0s17	22n28	0s58	16n44	16n44	16s20	3s59	4n43

Julian Day Number = 2153879.5, Delta T = 13m54s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'36, Lahiri = 12°29'36 Julian Calendar 1 Jan. 1185 == Greg. Calendar 8 Jan. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

FEBRUARY 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 11 19	19♒19'16	2♒47	29°R48	20♒ 1	2♑38	15°R 6	20°R 5	12♉52	12♒16	5°R18	15°R53	16♉ 3	15♏ 9	8♓42	F 1
S 2	9 15 15	20°19'44	16°12	29♒ 9	21°16	3°22	14♌58	20♍ 2	12°53	12°18	5♋17	15♉40	16° 0	15°15	8°46	S 2
S 3	9 19 12	21°20'10	29°55	28°23	22°31	4° 6	14°51	19°58	12°54	12°20	5°16	15°27	15°56	15°22	8°50	S 3
M 4	9 23 9	22°20'35	13♓51	27°29	23°47	4°50	14°43	19°54	12°55	12°22	5°16	15°15	15°53	15°29	8°53	M 4
T 5	9 27 5	23°20'57	27°57	26°31	25° 2	5°34	14°35	19°50	12°56	12°25	5°15	15° 6	15°50	15°35	8°57	T 5
W 6	9 31 2	24°21'18	12♈ 7	25°28	26°17	6°18	14°27	19°46	12°58	12°27	5°14	15° 0	15°47	15°42	9° 1	W 6
T 7	9 34 58	25°21'36	26°19	24°24	27°32	7° 2	14°19	19°42	12°59	12°29	5°13	14°57	15°44	15°49	9° 4	T 7
F 8	9 38 55	26°21'53	10♉29	23°20	28°47	7°46	14°12	19°38	13° 0	12°31	5°13	14°D56	15°40	15°55	9° 8	F 8
S 9	9 42 51	27°22'08	24°36	22°16	0♓ 2	8°30	14° 4	19°34	13° 1	12°33	5°12	14°R56	15°37	16° 2	9°12	S 9
S 10	9 46 48	28°22'20	8♊39	21°15	1°16	9°14	13°57	19°30	13° 3	12°36	5°11	14°56	15°34	16° 9	9°16	S 10
M11	9 50 44	29°22'30	22°37	20°18	2°31	9°59	13°49	19°26	13° 4	12°38	5°10	14°54	15°31	16°15	9°19	M11
T 12	9 54 41	0♓22'39	6♋30	19°26	3°46	10°43	13°42	19°21	13° 6	12°40	5°10	14°49	15°28	16°22	9°23	T 12
W13	9 58 38	1°22'45	20°16	18°39	5° 1	11°27	13°35	19°17	13° 7	12°42	5° 9	14°42	15°25	16°28	9°27	W13
T 14	10 2 34	2°22'49	3♌53	17°58	6°16	12°11	13°28	19°13	13° 9	12°44	5° 9	14°33	15°21	16°35	9°31	T 14
F 15	10 6 31	3°22'50	17°19	17°24	7°31	12°55	13°20	19° 8	13°11	12°47	5° 8	14°21	15°18	16°42	9°34	F 15
S 16	10 10 27	4°22'50	0♍32	16°56	8°46	13°40	13°14	19° 4	13°12	12°49	5° 7	14° 9	15°15	16°48	9°38	S 16
S 17	10 14 24	5°22'48	13°30	16°36	10° 1	14°24	13° 7	18°59	13°14	12°51	5° 7	13°57	15°12	16°55	9°42	S 17
M18	10 18 20	6°22'44	26°11	16°22	11°15	15° 8	13° 0	18°55	13°16	12°53	5° 6	13°47	15° 9	17° 2	9°46	M18
T 19	10 22 17	7°22'38	8♎37	16°14	12°30	15°53	12°53	18°50	13°18	12°55	5° 6	13°39	15° 6	17° 8	9°49	T 19
W20	10 26 13	8°22'30	20°48	16°D13	13°45	16°37	12°47	18°46	13°19	12°57	5° 5	13°34	15° 2	17°15	9°53	W20
T 21	10 30 10	9°22'20	2♏47	16°18	15° 0	17°21	12°40	18°41	13°21	12°59	5° 5	13°31	14°59	17°22	9°57	T 21
F 22	10 34 7	10°22'09	14°38	16°29	16°14	18° 6	12°34	18°36	13°23	13° 1	5° 4	13°D31	14°56	17°28	10° 1	F 22
S 23	10 38 3	11°21'56	26°25	16°46	17°29	18°50	12°28	18°32	13°25	13° 4	5° 4	13°31	14°53	17°35	10° 5	S 23
S 24	10 42 0	12°21'41	8♐15	17° 8	18°44	19°34	12°22	18°27	13°27	13° 6	5° 4	13°R32	14°50	17°42	10° 8	S 24
M25	10 45 56	13°21'25	20°12	17°34	19°58	20°19	12°16	18°22	13°29	13° 8	5° 3	13°32	14°46	17°48	10°12	M25
T 26	10 49 53	14°21'06	2♑21	18° 6	21°13	21° 3	12°10	18°18	13°32	13°10	5° 3	13°30	14°43	17°55	10°16	T 26
W27	10 53 49	15°20'46	14°48	18°41	22°28	21°48	12° 4	18°13	13°34	13°12	5° 3	13°26	14°40	18° 2	10°20	W27
T 28	10 57 46	16♓20'24	27♑36	19♒21	23♓42	22♑32	11♌59	18♍ 8	13♉36	13♒14	5♋ 2	13♉20	14♉37	18♏ 8	10♓23	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	15s 6	24s22	4s52	8s36	3n12	16s10	1s22	24s 0	0s29	17n28	1n 9	6n 9	2n24	15n28	0s19	17s28	0s17	22n28	0s58	16n40	16n43	16s22	3s58	4n43	F 1
S 2	14 47	20 49	5 0	8 39	3 23	15 46	1 22	24 0	0 30	17 31	1 9	6 11	2 25	15 29	0 19	17 28	0 17	22 28	0 58	16 36	16 42	16 25	3 57	4 43	S 2
S 3	14 27	16 5	4 51	8 47	3 31	15 23	1 23	24 0	0 31	17 33	1 9	6 13	2 25	15 29	0 19	17 27	0 17	22 28	0 58	16 32	16 41	16 28	3 56	4 43	S 3
M 4	14 8	10 26	4 24	8 59	3 38	14 58	1 24	23 59	0 32	17 35	1 9	6 14	2 25	15 29	0 19	17 26	0 17	22 29	0 58	16 29	16 40	16 31	3 55	4 42	M 4
T 5	13 48	4 12	3 41	9 14	3 43	14 34	1 24	23 58	0 32	17 38	1 9	6 16	2 25	15 30	0 19	17 26	0 17	22 29	0 58	16 26	16 39	16 34	3 53	4 42	T 5
W 6	13 28	2n18	2 44	9 32	3 46	14 8	1 25	23 57	0 33	17 40	1 9	6 18	2 25	15 30	0 19	17 25	0 17	22 29	0 58	16 25	16 38	16 36	3 52	4 42	W 6
T 7	13 8	8 42	1 37	9 53	3 46	13 43	1 25	23 56	0 34	17 42	1 9	6 19	2 26	15 31	0 19	17 25	0 17	22 29	0 58	16 24	16 37	16 39	3 51	4 42	T 7
F 8	12 47	14 40	0 24	10 16	3 44	13 17	1 25	23 54	0 35	17 45	1 9	6 21	2 26	15 31	0 19	17 24	0 17	22 29	0 58	16 23	16 36	16 42	3 49	4 42	F 8
S 9	12 26	19 50	0n51	10 41	3 40	12 51	1 26	23 52	0 36	17 47	1 9	6 23	2 26	15 31	0 19	17 23	0 17	22 29	0 58	16 23	16 35	16 45	3 48	4 42	S 9
S 10	12 6	23 51	2 2	11 6	3 34	12 24	1 26	23 50	0 37	17 49	1 9	6 25	2 26	15 32	0 19	17 23	0 17	22 29	0 58	16 23	16 35	16 47	3 47	4 42	S 10
M11	11 45	26 26	3 5	11 31	3 27	11 58	1 26	23 48	0 37	17 51	1 9	6 27	2 26	15 32	0 19	17 22	0 17	22 29	0 57	16 23	16 34	16 50	3 46	4 42	M11
T 12	11 23	27 20	3 57	11 56	3 18	11 30	1 26	23 45	0 38	17 53	1 9	6 28	2 26	15 33	0 19	17 22	0 17	22 29	0 57	16 21	16 33	16 53	3 44	4 42	T 12
W13	11 2	26 32	4 35	12 20	3 7	11 3	1 26	23 42	0 39	17 56	1 9	6 30	2 27	15 33	0 18	17 21	0 17	22 30	0 57	16 19	16 32	16 56	3 43	4 42	W13
T 14	10 40	24 10	4 56	12 44	2 55	10 35	1 26	23 39	0 40	17 58	1 9	6 32	2 27	15 34	0 18	17 20	0 17	22 30	0 57	16 16	16 31	16 59	3 42	4 42	T 14
F 15	10 19	20 29	5 1	13 6	2 43	10 7	1 26	23 36	0 41	18 0	1 9	6 34	2 27	15 34	0 18	17 20	0 17	22 30	0 57	16 13	16 30	17 1	3 40	4 41	F 15
S 16	9 57	15 50	4 50	13 27	2 30	9 39	1 26	23 32	0 42	18 2	1 9	6 36	2 27	15 35	0 18	17 19	0 17	22 30	0 57	16 9	16 29	17 4	3 39	4 41	S 16
S 17	9 35	10 33	4 23	13 46	2 16	9 10	1 26	23 28	0 43	18 4	1 9	6 38	2 27	15 35	0 18	17 19	0 17	22 30	0 57	16 6	16 28	17 7	3 38	4 41	S 17
M18	9 13	4 57	3 44	14 4	2 2	8 41	1 25	23 24	0 43	18 6	1 9	6 40	2 27	15 36	0 18	17 18	0 17	22 30	0 57	16 3	16 27	17 10	3 36	4 41	M18
T 19	8 50	0s45	2 55	14 19	1 48	8 12	1 25	23 20	0 44	18 8	1 9	6 42	2 27	15 36	0 18	17 17	0 17	22 30	0 57	16 0	16 26	17 12	3 35	4 41	T 19
W20	8 28	6 20	1 58	14 33	1 34	7 43	1 25	23 15	0 45	18 9	1 9	6 43	2 27	15 37	0 18	17 17	0 17	22 30	0 57	15 59	16 25	17 15	3 33	4 41	W20
T 21	8 5	11 36	0 57	14 45	1 20	7 14	1 24	23 11	0 46	18 11	1 9	6 45	2 27	15 38	0 18	17 16	0 17	22 30	0 57	15 58	16 24	17 18	3 32	4 41	T 21
F 22	7 43	16 24	0s 6	14 55	1 6	6 44	1 23	23 6	0 47	18 13	1 9	6 47	2 28	15 38	0 18	17 16	0 17	22 30	0 57	15 58	16 23	17 20	3 31	4 41	F 22
S 23	7 20	20 33	1 9	15 3	0 53	6 14	1 23	23 0	0 48	18 15	1 9	6 49	2 28	15 39	0 18	17 15	0 17	22 31	0 56	15 58	16 22	17 23	3 29	4 41	S 23
S 24	6 57	23 54	2 8	15 9	0 39	5 44	1 22	22 55	0 49	18 17	1 9	6 51	2 28	15 40	0 18	17 14	0 17	22 31	0 56	15 58	16 21	17 26	3 28	4 41	S 24
M25	6 34	26 14	3 3	15 13	0 26	5 14	1 21	22 49	0 50	18 18	1 9	6 53	2 28	15 40	0 18	17 14	0 17	22 31	0 56	15 58	16 21	17 29	3 27	4 41	M25
T 26	6 11	27 22	3 51	15 15	0 14	4 44	1 21	22 43	0 51	18 20	1 9	6 55	2 28	15 41	0 18	17 13	0 17	22 31	0 56	15 58	16 20	17 31	3 25	4 41	T 26
W27	5 48	27 10	4 29	15 16	0 2	4 13	1 20	22 37	0 51	18 21	1 9	6 57	2 28	15 42	0 18	17 13	0 18	22 31	0 56	15 56	16 19	17 34	3 24	4 41	W27
T 28	5s25	25s32	4s54	15s15	0s10	3s43	1s19	22s31	0s52	18n23	1n 9	6n59	2n28	15n42	0s18	17s12	0s18	22n31	0s56	15n55	16n18	17s37	3s22	4n41	T 28

Julian Day Number = 2153910.5, Delta T = 13m54s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'40, Lahiri = 12°29'40 Julian Calendar 1 Feb. 1185 == Greg. Calendar 8 Feb. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

MARCH 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 1 42	17♓20'01	10♒48	20♒ 5	24♓57	23♑17	11°R53	18°R 4	13♉38	13♒16	5°R 2	13°R11	14♉34	18♏15	10♓27	F 1
S 2	11 5 39	18°19'35	24°25	20°52	26°12	24° 2	11♌48	17♍59	13°40	13°18	5♋ 2	13♉ 2	14°31	18°21	10°31	S 2
S 3	11 9 36	19°19'07	8♓25	21°42	27°26	24°46	11°43	17°54	13°43	13°20	5° 2	12°53	14°27	18°28	10°35	S 3
M 4	11 13 32	20°18'38	22°43	22°36	28°41	25°31	11°38	17°50	13°45	13°21	5° 1	12°45	14°24	18°35	10°38	M 4
T 5	11 17 29	21°18'06	7♈14	23°33	29°55	26°15	11°33	17°45	13°48	13°23	5° 1	12°38	14°21	18°41	10°42	T 5
W 6	11 21 25	22°17'32	21°51	24°32	1♈10	27° 0	11°29	17°40	13°50	13°25	5° 1	12°34	14°18	18°48	10°46	W 6
T 7	11 25 22	23°16'56	6♉28	25°35	2°24	27°45	11°25	17°35	13°52	13°27	5° 1	12°D33	14°15	18°55	10°50	T 7
F 8	11 29 18	24°16'17	20°59	26°39	3°39	28°29	11°20	17°31	13°55	13°29	5° 1	12°33	14°11	19° 1	10°53	F 8
S 9	11 33 15	25°15'36	5♊20	27°46	4°53	29°14	11°16	17°26	13°57	13°31	5° 1	12°34	14° 8	19° 8	10°57	S 9
S 10	11 37 11	26°14'53	19°29	28°56	6° 7	29°59	11°12	17°22	14° 0	13°33	5° 1	12°R35	14° 5	19°15	11° 1	S 10
M11	11 41 8	27°14'08	3♋24	0♓ 7	7°22	0♒43	11° 9	17°17	14° 3	13°34	5° 1	12°35	14° 2	19°21	11° 4	M11
T 12	11 45 4	28°13'20	17° 6	1°21	8°36	1°28	11° 5	17°12	14° 5	13°36	5°D 1	12°33	13°59	19°28	11° 8	T 12
W13	11 49 1	29°12'30	0♌35	2°37	9°50	2°13	11° 2	17° 8	14° 8	13°38	5° 1	12°29	13°56	19°35	11°12	W13
T 14	11 52 58	0♈11'37	13°50	3°54	11° 5	2°57	10°59	17° 3	14°11	13°40	5° 1	12°24	13°52	19°41	11°15	T 14
F 15	11 56 54	1°10'42	26°53	5°14	12°19	3°42	10°56	16°59	14°13	13°41	5° 1	12°17	13°49	19°48	11°19	F 15
S 16	12 0 51	2° 9'45	9♍43	6°35	13°33	4°27	10°53	16°54	14°16	13°43	5° 1	12°10	13°46	19°54	11°23	S 16
S 17	12 4 47	3° 8'46	22°20	7°58	14°47	5°11	10°50	16°50	14°19	13°45	5° 1	12° 3	13°43	20° 1	11°26	S 17
M18	12 8 44	4° 7'44	4♎45	9°23	16° 2	5°56	10°48	16°45	14°22	13°46	5° 1	11°57	13°40	20° 8	11°30	M18
T 19	12 12 40	5° 6'40	16°58	10°50	17°16	6°41	10°45	16°41	14°25	13°48	5° 1	11°53	13°37	20°14	11°33	T 19
W20	12 16 37	6° 5'35	29° 1	12°18	18°30	7°26	10°43	16°37	14°28	13°49	5° 1	11°50	13°33	20°21	11°37	W20
T 21	12 20 33	7° 4'27	10♏56	13°48	19°44	8°10	10°41	16°33	14°31	13°51	5° 2	11°D49	13°30	20°28	11°40	T 21
F 22	12 24 30	8° 3'18	22°45	15°19	20°58	8°55	10°40	16°28	14°33	13°52	5° 2	11°50	13°27	20°34	11°44	F 22
S 23	12 28 27	9° 2'07	4♐32	16°53	22°12	9°40	10°38	16°24	14°36	13°54	5° 2	11°51	13°24	20°41	11°47	S 23
S 24	12 32 23	10° 0'54	16°22	18°27	23°26	10°25	10°37	16°20	14°39	13°55	5° 2	11°53	13°21	20°48	11°51	S 24
M25	12 36 20	10°59'39	28°19	20° 4	24°40	11°10	10°36	16°16	14°42	13°57	5° 3	11°55	13°17	20°54	11°54	M25
T 26	12 40 16	11°58'22	10♑27	21°42	25°54	11°54	10°35	16°12	14°46	13°58	5° 3	11°R55	13°14	21° 1	11°57	T 26
W27	12 44 13	12°57'04	22°52	23°21	27° 8	12°39	10°34	16° 8	14°49	14° 0	5° 3	11°55	13°11	21° 8	12° 1	W27
T 28	12 48 9	13°55'44	5♒38	25° 2	28°22	13°24	10°33	16° 4	14°52	14° 1	5° 4	11°53	13° 8	21°14	12° 4	T 28
F 29	12 52 6	14°54'22	18°49	26°45	29°36	14° 9	10°33	16° 0	14°55	14° 2	5° 4	11°50	13° 5	21°21	12° 8	F 29
S 30	12 56 2	15°52'59	2♓26	28°29	0♉50	14°54	10°33	15°57	14°58	14° 4	5° 4	11°47	13° 2	21°28	12°11	S 30
S 31	12 59 59	16♈51'34	16♓30	0♈15	2♉ 4	15♒38	10°D33	15♍53	15♉ 1	14♒ 5	5♋ 5	11♉43	12♉58	21♏34	12♓14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s 2	22s29	5s 5	15s12	0s21	3s12	1s18	22s24	0s53	18n24	1n 9	7n 1	2n28	15n43	0s18	17s12	0s18	22n31	0s56	15n52	16n17	17s39	3s21	4n41
S 2	4 38	18 9	5 0	15 7	0 32	2 42	1 17	22 17	0 54	18 26	1 9	7 2	2 28	15 44	0 18	17 11	0 18	22 31	0 56	15 49	16 16	17 42	3 20	4 41
S 3	4 15	12 43	4 36	15 0	0 43	2 11	1 16	22 10	0 55	18 27	1 9	7 4	2 28	15 44	0 18	17 11	0 18	22 31	0 56	15 47	16 15	17 45	3 18	4 41
M 4	3 51	6 30	3 55	14 52	0 52	1 40	1 15	22 3	0 56	18 28	1 9	7 6	2 28	15 45	0 18	17 10	0 18	22 31	0 56	15 44	16 14	17 48	3 17	4 41
T 5	3 28	0n 9	2 58	14 42	1 2	1 9	1 13	21 55	0 57	18 30	1 9	7 8	2 28	15 46	0 18	17 9	0 18	22 31	0 56	15 42	16 13	17 50	3 15	4 41
W 6	3 4	6 52	1 49	14 31	1 11	0 38	1 12	21 48	0 58	18 31	1 9	7 10	2 28	15 47	0 18	17 9	0 18	22 32	0 56	15 41	16 12	17 53	3 14	4 41
T 7	2 41	13 13	0 33	14 18	1 19	0 7	1 11	21 40	0 59	18 32	1 9	7 12	2 28	15 47	0 18	17 8	0 18	22 32	0 55	15 40	16 11	17 56	3 13	4 41
F 8	2 17	18 49	0n45	14 3	1 27	0n24	1 9	21 32	0 59	18 33	1 9	7 14	2 28	15 48	0 18	17 8	0 18	22 32	0 55	15 40	16 10	17 58	3 11	4 41
S 9	1 54	23 15	2 0	13 47	1 35	0 55	1 8	21 23	1 0	18 34	1 8	7 16	2 28	15 49	0 18	17 7	0 18	22 32	0 55	15 41	16 9	18 1	3 10	4 41
S 10	1 30	26 13	3 6	13 29	1 42	1 26	1 6	21 15	1 1	18 35	1 8	7 17	2 28	15 50	0 18	17 7	0 18	22 32	0 55	15 41	16 8	18 4	3 8	4 41
M11	1 6	27 30	4 0	13 10	1 48	1 57	1 5	21 6	1 2	18 36	1 8	7 19	2 28	15 50	0 18	17 6	0 18	22 32	0 55	15 41	16 7	18 6	3 7	4 41
T 12	0 43	27 4	4 39	12 49	1 54	2 27	1 3	20 57	1 3	18 37	1 8	7 21	2 28	15 51	0 18	17 6	0 18	22 32	0 55	15 40	16 6	18 9	3 6	4 41
W13	0 19	25 2	5 3	12 27	2 0	2 58	1 2	20 48	1 4	18 38	1 8	7 23	2 28	15 52	0 18	17 5	0 18	22 32	0 55	15 39	16 5	18 12	3 4	4 41
T 14	0n 5	21 40	5 9	12 4	2 5	3 29	1 0	20 38	1 5	18 39	1 8	7 25	2 28	15 53	0 18	17 5	0 18	22 32	0 55	15 38	16 4	18 14	3 3	4 41
F 15	0 28	17 17	4 59	11 39	2 10	4 0	0 58	20 29	1 6	18 39	1 8	7 26	2 28	15 54	0 18	17 5	0 18	22 32	0 55	15 36	16 4	18 17	3 1	4 41
S 16	0 52	12 12	4 35	11 12	2 14	4 30	0 56	20 19	1 7	18 40	1 8	7 28	2 28	15 55	0 18	17 4	0 18	22 32	0 55	15 33	16 3	18 20	3 0	4 41
S 17	1 15	6 40	3 57	10 44	2 17	5 1	0 54	20 9	1 8	18 41	1 8	7 30	2 28	15 55	0 18	17 4	0 18	22 33	0 55	15 31	16 2	18 22	2 59	4 41
M18	1 39	0 59	3 8	10 15	2 20	5 31	0 53	19 59	1 8	18 41	1 8	7 31	2 28	15 56	0 18	17 3	0 18	22 33	0 55	15 29	16 1	18 25	2 57	4 41
T 19	2 2	4s40	2 11	9 44	2 23	6 2	0 51	19 48	1 9	18 42	1 8	7 33	2 28	15 57	0 18	17 3	0 18	22 33	0 54	15 28	16 0	18 28	2 56	4 41
W20	2 26	10 6	1 9	9 12	2 25	6 32	0 49	19 38	1 10	18 42	1 8	7 35	2 28	15 58	0 18	17 2	0 18	22 33	0 54	15 27	15 59	18 30	2 54	4 41
T 21	2 49	15 6	0 5	8 39	2 27	7 2	0 47	19 27	1 11	18 43	1 7	7 36	2 28	15 59	0 18	17 2	0 18	22 33	0 54	15 27	15 58	18 33	2 53	4 41
F 22	3 13	19 30	0s59	8 5	2 28	7 32	0 45	19 16	1 12	18 43	1 7	7 38	2 28	16 0	0 18	17 1	0 18	22 33	0 54	15 27	15 57	18 35	2 52	4 41
S 23	3 36	23 8	2 1	7 29	2 28	8 2	0 42	19 5	1 13	18 44	1 7	7 40	2 28	16 1	0 18	17 1	0 18	22 33	0 54	15 28	15 56	18 38	2 50	4 41
S 24	3 59	25 48	2 58	6 52	2 28	8 31	0 40	18 54	1 14	18 44	1 7	7 41	2 28	16 2	0 18	17 1	0 18	22 33	0 54	15 28	15 55	18 41	2 49	4 41
M25	4 22	27 20	3 48	6 13	2 28	9 0	0 38	18 42	1 15	18 44	1 7	7 43	2 28	16 2	0 18	17 0	0 18	22 33	0 54	15 29	15 54	18 43	2 48	4 42
T 26	4 45	27 35	4 28	5 33	2 27	9 30	0 36	18 30	1 16	18 44	1 7	7 44	2 28	16 3	0 18	17 0	0 18	22 33	0 54	15 29	15 53	18 46	2 46	4 42
W27	5 8	26 28	4 57	4 53	2 26	9 58	0 34	18 19	1 16	18 44	1 7	7 46	2 28	16 4	0 18	16 59	0 18	22 33	0 54	15 29	15 52	18 48	2 45	4 42
T 28	5 31	23 59	5 12	4 10	2 24	10 27	0 31	18 7	1 17	18 44	1 7	7 47	2 28	16 5	0 18	16 59	0 18	22 33	0 54	15 28	15 51	18 51	2 43	4 42
F 29	5 54	20 11	5 12	3 27	2 21	10 56	0 29	17 54	1 18	18 44	1 7	7 48	2 28	16 6	0 18	16 59	0 18	22 33	0 54	15 27	15 50	18 54	2 42	4 42
S 30	6 17	15 13	4 54	2 43	2 18	11 24	0 27	17 42	1 19	18 44	1 6	7 50	2 27	16 7	0 18	16 58	0 18	22 33	0 54	15 26	15 49	18 56	2 41	4 42
S 31	6n39	9s19	4s18	1s57	2s15	11n52	0s24	17s30	1s20	18n44	1n 6	7n51	2n27	16n 8	0s18	16s58	0s18	22n34	0s53	15n25	15n48	18s59	2s39	4n42

Julian Day Number = 2153938.5, Delta T = 13m54s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'44, Lahiri = 12°29'44 Julian Calendar 1 March 1185 == Greg. Calendar 8 March 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

APRIL 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 3 56	17♈50'06	0♈57	2♈ 3	3♉18	16♒23	10♌33	15°R49	15♉ 4	14♒ 6	5♋ 5	11°R40	12♉55	21♏41	12♓17	M 1
T 2	13 7 52	18°48'38	15°43	3°52	4°31	17° 8	10°33	15♍46	15° 8	14° 7	5° 6	11♉37	12°52	21°47	12°21	T 2
W 3	13 11 49	19°47'07	0♉40	5°43	5°45	17°53	10°34	15°42	15°11	14° 9	5° 6	11°36	12°49	21°54	12°24	W 3
T 4	13 15 45	20°45'34	15°39	7°36	6°59	18°37	10°34	15°39	15°14	14°10	5° 7	11°D36	12°46	22° 1	12°27	T 4
F 5	13 19 42	21°43'59	0♊34	9°30	8°13	19°22	10°35	15°35	15°17	14°11	5° 8	11°36	12°43	22° 7	12°30	F 5
S 6	13 23 38	22°42'23	15°15	11°26	9°26	20° 7	10°36	15°32	15°21	14°12	5° 8	11°38	12°39	22°14	12°33	S 6
S 7	13 27 35	23°40'44	29°40	13°23	10°40	20°52	10°38	15°29	15°24	14°13	5° 9	11°39	12°36	22°21	12°36	S 7
M 8	13 31 31	24°39'03	13♋44	15°22	11°54	21°36	10°39	15°26	15°27	14°14	5° 9	11°40	12°33	22°27	12°39	M 8
T 9	13 35 28	25°37'20	27°28	17°23	13° 7	22°21	10°41	15°23	15°30	14°15	5°10	11°R40	12°30	22°34	12°42	T 9
W10	13 39 25	26°35'34	10♌51	19°25	14°21	23° 6	10°42	15°20	15°34	14°16	5°11	11°40	12°27	22°41	12°45	W10
T 11	13 43 21	27°33'47	23°55	21°28	15°35	23°51	10°44	15°17	15°37	14°17	5°11	11°38	12°23	22°47	12°48	T 11
F 12	13 47 18	28°31'57	6♍42	23°33	16°48	24°35	10°47	15°14	15°41	14°18	5°12	11°37	12°20	22°54	12°51	F 12
S 13	13 51 14	29°30'06	19°14	25°39	18° 2	25°20	10°49	15°11	15°44	14°19	5°13	11°35	12°17	23° 1	12°54	S 13
S 14	13 55 11	0♉28'12	1♎34	27°46	19°15	26° 5	10°51	15° 9	15°47	14°20	5°14	11°33	12°14	23° 7	12°57	S 14
M15	13 59 7	1°26'17	13°43	29°55	20°28	26°49	10°54	15° 6	15°51	14°21	5°14	11°32	12°11	23°14	12°59	M15
T 16	14 3 4	2°24'20	25°44	2♏ 4	21°42	27°34	10°57	15° 4	15°54	14°22	5°15	11°31	12° 8	23°20	13° 2	T 16
W17	14 7 0	3°22'21	7♏39	4°14	22°55	28°18	11° 0	15° 2	15°58	14°22	5°16	11°D31	12° 4	23°27	13° 5	W17
T 18	14 10 57	4°20'21	19°29	6°24	24° 9	29° 3	11° 3	14°59	16° 1	14°23	5°17	11°31	12° 1	23°34	13° 7	T 18
F 19	14 14 54	5°18'19	1♐17	8°34	25°22	29°48	11° 7	14°57	16° 4	14°24	5°18	11°31	11°58	23°40	13°10	F 19
S 20	14 18 50	6°16'15	13° 5	10°44	26°35	0♓32	11°10	14°55	16° 8	14°24	5°19	11°32	11°55	23°47	13°13	S 20
S 21	14 22 47	7°14'11	24°57	12°54	27°48	1°17	11°14	14°53	16°11	14°25	5°19	11°32	11°52	23°54	13°15	S 21
M22	14 26 43	8°12'04	6♑56	15° 3	29° 2	2° 1	11°18	14°51	16°15	14°26	5°20	11°33	11°49	24° 0	13°18	M22
T 23	14 30 40	9° 9'57	19° 6	17°11	0♊15	2°46	11°22	14°49	16°18	14°26	5°21	11°33	11°45	24° 7	13°20	T 23
W24	14 34 36	10° 7'48	1♒30	19°17	1°28	3°30	11°26	14°48	16°22	14°27	5°22	11°33	11°42	24°14	13°23	W24
T 25	14 38 33	11° 5'38	14°13	21°22	2°41	4°15	11°30	14°46	16°25	14°27	5°23	11°33	11°39	24°20	13°25	T 25
F 26	14 42 29	12° 3'27	27°19	23°26	3°54	4°59	11°35	14°45	16°29	14°28	5°24	11°33	11°36	24°27	13°27	F 26
S 27	14 46 26	13° 1'14	10♓50	25°27	5° 7	5°44	11°40	14°43	16°32	14°28	5°25	11°33	11°33	24°34	13°30	S 27
S 28	14 50 23	13°59'00	24°47	27°26	6°20	6°28	11°45	14°42	16°36	14°29	5°26	11°34	11°29	24°40	13°32	S 28
M29	14 54 19	14°56'45	9♈10	29°23	7°33	7°12	11°50	14°41	16°39	14°29	5°27	11°34	11°26	24°47	13°34	M29
T 30	14 58 16	15♉54'29	23♈56	1♊17	8♊46	7♓57	11♌55	14♍39	16♉43	14♒30	5♋28	11♉34	11♉23	24♏54	13♓36	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n 2	2s45	3s25	1s11	2s11	12n19	0s22	17s17	1s21	18n44	1n 6	7n53	2n27	16n 9	0s18	16s58	0s18	22n34	0s53	15n24	15n47	19s 1	2s38	4n42
T 2	7 24	4n 6	2 18	0 23	2 6	12 47	0 20	17 4	1 22	18 44	1 6	7 54	2 27	16 10	0 18	16 57	0 18	22 34	0 53	15 23	15 46	19 4	2 37	4 42
W 3	7 46	10 49	1 0	0n26	2 1	13 14	0 17	16 51	1 23	18 44	1 6	7 55	2 27	16 11	0 18	16 57	0 18	22 34	0 53	15 23	15 45	19 7	2 36	4 42
T 4	8 8	16 58	0n22	1 16	1 55	13 40	0 15	16 38	1 23	18 43	1 6	7 56	2 27	16 12	0 18	16 57	0 18	22 34	0 53	15 23	15 44	19 9	2 34	4 42
F 5	8 30	22 2	1 43	2 6	1 49	14 7	0 12	16 25	1 24	18 43	1 6	7 58	2 27	16 13	0 18	16 56	0 18	22 34	0 53	15 23	15 43	19 12	2 33	4 43
S 6	8 52	25 38	2 55	2 58	1 43	14 33	0 10	16 11	1 25	18 43	1 6	7 59	2 27	16 14	0 17	16 56	0 18	22 34	0 53	15 23	15 42	19 14	2 32	4 43
S 7	9 14	27 28	3 55	3 50	1 36	14 59	0 7	15 58	1 26	18 42	1 6	8 0	2 27	16 15	0 17	16 56	0 18	22 34	0 53	15 24	15 41	19 17	2 30	4 43
M 8	9 36	27 28	4 40	4 43	1 28	15 24	0 5	15 44	1 27	18 42	1 5	8 1	2 26	16 16	0 17	16 55	0 18	22 34	0 53	15 24	15 40	19 19	2 29	4 43
T 9	9 57	25 46	5 7	5 37	1 20	15 49	0 2	15 30	1 28	18 41	1 5	8 2	2 26	16 17	0 17	16 55	0 18	22 34	0 53	15 24	15 39	19 22	2 28	4 43
W10	10 18	22 39	5 16	6 32	1 12	16 13	0n 0	15 16	1 29	18 40	1 5	8 3	2 26	16 18	0 17	16 55	0 18	22 34	0 53	15 24	15 38	19 25	2 27	4 43
T 11	10 39	18 28	5 9	7 26	1 3	16 37	0 3	15 2	1 30	18 40	1 5	8 4	2 26	16 19	0 17	16 55	0 18	22 34	0 53	15 24	15 37	19 27	2 25	4 43
F 12	11 0	13 32	4 47	8 21	0 53	17 1	0 6	14 48	1 30	18 39	1 5	8 5	2 26	16 20	0 17	16 54	0 18	22 34	0 52	15 23	15 37	19 30	2 24	4 43
S 13	11 21	8 7	4 11	9 17	0 44	17 24	0 8	14 34	1 31	18 38	1 5	8 6	2 26	16 21	0 17	16 54	0 18	22 34	0 52	15 23	15 36	19 32	2 23	4 44
S 14	11 41	2 29	3 24	10 12	0 34	17 47	0 11	14 19	1 32	18 37	1 5	8 7	2 26	16 22	0 17	16 54	0 18	22 34	0 52	15 22	15 35	19 35	2 22	4 44
M15	12 2	3s10	2 28	11 7	0 24	18 10	0 13	14 5	1 33	18 37	1 5	8 8	2 25	16 23	0 17	16 54	0 18	22 34	0 52	15 22	15 34	19 37	2 21	4 44
T 16	12 22	8 39	1 26	12 2	0 13	18 32	0 16	13 50	1 34	18 36	1 4	8 8	2 25	16 24	0 17	16 53	0 18	22 34	0 52	15 21	15 33	19 40	2 19	4 44
W17	12 42	13 47	0 21	12 56	0 3	18 53	0 18	13 36	1 35	18 35	1 4	8 9	2 25	16 25	0 17	16 53	0 18	22 34	0 52	15 21	15 32	19 42	2 18	4 44
T 18	13 1	18 23	0s44	13 50	0n 8	19 14	0 21	13 21	1 35	18 34	1 4	8 10	2 25	16 26	0 17	16 53	0 18	22 34	0 52	15 21	15 31	19 45	2 17	4 44
F 19	13 21	22 16	1 48	14 43	0 18	19 34	0 24	13 6	1 36	18 33	1 4	8 11	2 25	16 27	0 17	16 53	0 18	22 35	0 52	15 21	15 30	19 47	2 16	4 44
S 20	13 40	25 14	2 47	15 34	0 29	19 54	0 26	12 51	1 37	18 32	1 4	8 11	2 25	16 28	0 17	16 53	0 19	22 35	0 52	15 22	15 29	19 50	2 15	4 45
S 21	13 59	27 6	3 39	16 24	0 39	20 14	0 29	12 35	1 38	18 30	1 4	8 12	2 25	16 29	0 17	16 52	0 19	22 35	0 52	15 22	15 28	19 52	2 14	4 45
M22	14 18	27 43	4 22	17 13	0 49	20 33	0 31	12 20	1 39	18 29	1 4	8 13	2 24	16 30	0 17	16 52	0 19	22 35	0 52	15 22	15 27	19 55	2 12	4 45
T 23	14 37	27 1	4 54	17 59	0 59	20 51	0 34	12 5	1 39	18 28	1 4	8 13	2 24	16 31	0 17	16 52	0 19	22 35	0 52	15 22	15 26	19 57	2 11	4 45
W24	14 55	25 0	5 13	18 44	1 9	21 9	0 36	11 49	1 40	18 27	1 4	8 14	2 24	16 32	0 17	16 52	0 19	22 35	0 52	15 22	15 25	20 0	2 10	4 45
T 25	15 13	21 41	5 17	19 27	1 18	21 26	0 39	11 34	1 41	18 25	1 3	8 14	2 24	16 33	0 17	16 52	0 19	22 35	0 51	15 22	15 24	20 2	2 9	4 45
F 26	15 31	17 14	5 6	20 7	1 27	21 42	0 42	11 18	1 42	18 24	1 3	8 14	2 24	16 34	0 17	16 52	0 19	22 35	0 51	15 22	15 23	20 5	2 8	4 46
S 27	15 49	11 49	4 37	20 45	1 35	21 58	0 44	11 2	1 43	18 23	1 3	8 15	2 24	16 35	0 17	16 52	0 19	22 35	0 51	15 22	15 22	20 7	2 7	4 46
S 28	16 6	5 37	3 52	21 20	1 43	22 14	0 46	10 47	1 43	18 21	1 3	8 15	2 23	16 36	0 17	16 52	0 19	22 35	0 51	15 22	15 21	20 10	2 6	4 46
M29	16 24	1n 2	2 51	21 53	1 49	22 28	0 49	10 31	1 44	18 20	1 3	8 16	2 23	16 37	0 17	16 51	0 19	22 35	0 51	15 22	15 20	20 12	2 5	4 46
T 30	16n40	7n50	1s37	22n24	1n56	22n43	0n51	10s15	1s45	18n18	1n 3	8n16	2n23	16n38	0s17	16s51	0s19	22n35	0s51	15n22	15n19	20s15	2s 4	4n46

Julian Day Number = 2153969.5, Delta T = 13m53s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'48, Lahiri = 12°29'48 Julian Calendar 1 Apr. 1185 == Greg. Calendar 8 Apr. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

MAY 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 2 12	16♉52'12	8♉58	3♊ 8	9♊59	8♓41	12♌ 0	14°R38	16♉46	14♒30	5♋29	11°R34	11♉20	25♏ 0	13♓38	W 1
T 2	15 6 9	17°49'53	24° 8	4°57	11°12	9°25	12° 5	14♍38	16°50	14°30	5°31	11♉34	11°17	25° 7	13°40	T 2
F 3	15 10 5	18°47'34	9♊17	6°42	12°25	10° 9	12°11	14°37	16°53	14°30	5°32	11°34	11°14	25°14	13°43	F 3
S 4	15 14 2	19°45'12	24°16	8°25	13°38	10°53	12°17	14°36	16°57	14°31	5°33	11°33	11°10	25°20	13°45	S 4
S 5	15 17 58	20°42'50	8♋57	10° 5	14°51	11°37	12°23	14°35	17° 0	14°31	5°34	11°32	11° 7	25°27	13°46	S 5
M 6	15 21 55	21°40'26	23°15	11°42	16° 4	12°22	12°29	14°35	17° 4	14°31	5°35	11°31	11° 4	25°33	13°48	M 6
T 7	15 25 52	22°38'00	7♌ 7	13°15	17°17	13° 6	12°35	14°35	17° 7	14°31	5°36	11°30	11° 1	25°40	13°50	T 7
W 8	15 29 48	23°35'33	20°34	14°45	18°29	13°49	12°41	14°34	17°11	14°31	5°38	11°D30	10°58	25°47	13°52	W 8
T 9	15 33 45	24°33'04	3♍35	16°13	19°42	14°33	12°48	14°34	17°14	14°31	5°39	11°30	10°55	25°53	13°54	T 9
F 10	15 37 41	25°30'34	16°16	17°36	20°55	15°17	12°55	14°D34	17°18	14°R31	5°40	11°31	10°51	26° 0	13°55	F 10
S 11	15 41 38	26°28'03	28°39	18°57	22° 7	16° 1	13° 1	14°34	17°21	14°31	5°41	11°32	10°48	26° 7	13°57	S 11
S 12	15 45 34	27°25'30	10♎48	20°14	23°20	16°45	13° 8	14°34	17°25	14°31	5°43	11°33	10°45	26°13	13°59	S 12
M13	15 49 31	28°22'56	22°48	21°28	24°33	17°29	13°15	14°34	17°28	14°31	5°44	11°34	10°42	26°20	14° 0	M13
T 14	15 53 27	29°20'21	4♏40	22°39	25°45	18°12	13°22	14°35	17°32	14°31	5°45	11°35	10°39	26°27	14° 2	T 14
W15	15 57 24	0♊17'44	16°29	23°46	26°58	18°56	13°30	14°35	17°35	14°31	5°46	11°R35	10°35	26°33	14° 3	W15
T 16	16 1 21	1°15'07	28°17	24°49	28°10	19°39	13°37	14°35	17°38	14°31	5°48	11°34	10°32	26°40	14° 5	T 16
F 17	16 5 17	2°12'29	10♐ 6	25°49	29°22	20°23	13°45	14°36	17°42	14°31	5°49	11°32	10°29	26°47	14° 6	F 17
S 18	16 9 14	3° 9'50	21°58	26°46	0♋35	21° 6	13°52	14°37	17°45	14°30	5°50	11°30	10°26	26°53	14° 7	S 18
S 19	16 13 10	4° 7'11	3♑56	27°38	1°47	21°50	14° 0	14°38	17°49	14°30	5°52	11°26	10°23	27° 0	14° 8	S 19
M20	16 17 7	5° 4'30	16° 2	28°27	2°59	22°33	14° 8	14°39	17°52	14°30	5°53	11°22	10°20	27° 7	14°10	M20
T 21	16 21 3	6° 1'49	28°18	29°11	4°12	23°17	14°16	14°40	17°55	14°30	5°54	11°19	10°16	27°13	14°11	T 21
W22	16 25 0	6°59'08	10♒47	29°52	5°24	24° 0	14°24	14°41	17°59	14°29	5°56	11°16	10°13	27°20	14°12	W22
T 23	16 28 56	7°56'26	23°31	0♋29	6°36	24°43	14°32	14°42	18° 2	14°29	5°57	11°14	10°10	27°27	14°13	T 23
F 24	16 32 53	8°53'43	6♓34	1° 1	7°48	25°26	14°41	14°43	18° 5	14°28	5°59	11°D13	10° 7	27°33	14°14	F 24
S 25	16 36 50	9°51'00	19°58	1°29	9° 0	26° 9	14°49	14°45	18° 9	14°28	6° 0	11°13	10° 4	27°40	14°15	S 25
S 26	16 40 46	10°48'17	3♈45	1°53	10°12	26°52	14°58	14°46	18°12	14°27	6° 1	11°15	10° 0	27°46	14°16	S 26
M27	16 44 43	11°45'33	17°56	2°12	11°24	27°35	15° 6	14°48	18°15	14°27	6° 3	11°16	9°57	27°53	14°17	M27
T 28	16 48 39	12°42'49	2♉30	2°27	12°36	28°18	15°15	14°49	18°19	14°26	6° 4	11°17	9°54	28° 0	14°17	T 28
W29	16 52 36	13°40'05	17°23	2°37	13°48	29° 1	15°24	14°51	18°22	14°26	6° 6	11°R17	9°51	28° 6	14°18	W29
T 30	16 56 32	14°37'20	2♊28	2°43	15° 0	29°43	15°33	14°53	18°25	14°25	6° 7	11°16	9°48	28°13	14°19	T 30
F 31	17 0 29	15♊34'35	17♊38	2°R44	16♋12	0♈26	15♌42	14♍55	18♉28	14♒25	6♋ 9	11♉13	9♉45	28♏20	14♓19	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n57	14n19	0s15	22n52	2n 1	22n56	0n54	9s59	1s46	18n16	1n 3	8n16	2n23	16n39	0s17	16s51	0s19	22n35	0s51	15n22	15n18	20s17	2s 3	4n47
T 2	17 13	20 0	1n 9	23 17	2 6	23 9	0 56	9 43	1 46	18 15	1 3	8 16	2 23	16 40	0 17	16 51	0 19	22 35	0 51	15 22	15 17	20 20	2 2	4 47
F 3	17 29	24 23	2 28	23 40	2 10	23 21	0 58	9 27	1 47	18 13	1 2	8 16	2 22	16 41	0 17	16 51	0 19	22 35	0 51	15 22	15 16	20 22	2 1	4 47
S 4	17 45	27 1	3 36	24 0	2 13	23 33	1 1	9 11	1 48	18 11	1 2	8 16	2 22	16 42	0 17	16 51	0 19	22 35	0 51	15 22	15 15	20 24	2 0	4 47
S 5	18 1	27 41	4 27	24 18	2 16	23 44	1 3	8 54	1 49	18 10	1 2	8 16	2 22	16 43	0 17	16 51	0 19	22 35	0 51	15 22	15 14	20 27	1 59	4 47
M 6	18 16	26 29	5 1	24 33	2 17	23 54	1 5	8 38	1 49	18 8	1 2	8 17	2 22	16 44	0 17	16 51	0 19	22 35	0 51	15 21	15 13	20 29	1 58	4 48
T 7	18 31	23 40	5 16	24 47	2 18	24 3	1 8	8 22	1 50	18 6	1 2	8 16	2 22	16 45	0 17	16 51	0 19	22 35	0 51	15 21	15 12	20 32	1 58	4 48
W 8	18 45	19 39	5 13	24 58	2 18	24 12	1 10	8 5	1 51	18 4	1 2	8 16	2 21	16 46	0 17	16 51	0 19	22 35	0 50	15 21	15 11	20 34	1 57	4 48
T 9	19 0	14 48	4 54	25 6	2 17	24 20	1 12	7 49	1 51	18 2	1 2	8 16	2 21	16 47	0 17	16 51	0 19	22 35	0 50	15 21	15 10	20 37	1 56	4 48
F 10	19 13	9 26	4 21	25 13	2 16	24 28	1 14	7 33	1 52	18 0	1 2	8 16	2 21	16 48	0 17	16 51	0 19	22 35	0 50	15 21	15 9	20 39	1 55	4 48
S 11	19 27	3 50	3 36	25 18	2 13	24 35	1 16	7 16	1 53	17 58	1 2	8 16	2 21	16 49	0 17	16 51	0 19	22 35	0 50	15 22	15 8	20 41	1 54	4 49
S 12	19 40	1s48	2 42	25 21	2 10	24 41	1 18	7 0	1 53	17 56	1 2	8 16	2 21	16 50	0 17	16 51	0 19	22 35	0 50	15 22	15 7	20 44	1 53	4 49
M13	19 53	7 19	1 42	25 22	2 6	24 46	1 20	6 43	1 54	17 54	1 1	8 16	2 20	16 51	0 17	16 51	0 19	22 35	0 50	15 22	15 6	20 46	1 53	4 49
T 14	20 6	12 32	0 38	25 21	2 1	24 51	1 22	6 27	1 55	17 52	1 1	8 15	2 20	16 52	0 17	16 51	0 19	22 35	0 50	15 23	15 5	20 49	1 52	4 49
W15	20 18	17 16	0s27	25 19	1 55	24 54	1 24	6 10	1 55	17 49	1 1	8 15	2 20	16 53	0 17	16 51	0 19	22 35	0 50	15 23	15 4	20 51	1 51	4 49
T 16	20 30	21 21	1 31	25 15	1 49	24 58	1 26	5 53	1 56	17 47	1 1	8 14	2 20	16 54	0 17	16 51	0 19	22 35	0 50	15 22	15 3	20 53	1 50	4 50
F 17	20 42	24 33	2 31	25 10	1 42	25 0	1 27	5 37	1 57	17 45	1 1	8 14	2 20	16 55	0 17	16 51	0 19	22 35	0 50	15 22	15 2	20 56	1 50	4 50
S 18	20 53	26 42	3 25	25 4	1 33	25 2	1 29	5 20	1 57	17 43	1 1	8 14	2 19	16 56	0 17	16 52	0 19	22 35	0 50	15 21	15 1	20 58	1 49	4 50
S 19	21 4	27 39	4 10	24 56	1 25	25 3	1 31	5 4	1 58	17 40	1 1	8 13	2 19	16 57	0 17	16 52	0 19	22 35	0 50	15 20	15 0	21 1	1 48	4 50
M20	21 14	27 17	4 44	24 47	1 15	25 3	1 32	4 47	1 59	17 38	1 1	8 13	2 19	16 58	0 17	16 52	0 19	22 35	0 50	15 19	14 59	21 3	1 48	4 50
T 21	21 25	25 35	5 6	24 37	1 4	25 3	1 34	4 30	1 59	17 35	1 1	8 12	2 19	16 59	0 17	16 52	0 19	22 35	0 50	15 18	14 58	21 5	1 47	4 51
W22	21 34	22 38	5 14	24 26	0 53	25 1	1 35	4 14	2 0	17 33	1 1	8 11	2 19	16 59	0 17	16 52	0 19	22 35	0 49	15 17	14 57	21 8	1 46	4 51
T 23	21 44	18 34	5 7	24 14	0 41	24 59	1 37	3 57	2 0	17 30	1 0	8 11	2 18	17 0	0 17	16 52	0 19	22 35	0 49	15 16	14 56	21 10	1 46	4 51
F 24	21 53	13 32	4 44	24 1	0 29	24 57	1 38	3 40	2 1	17 28	1 0	8 10	2 18	17 1	0 17	16 52	0 19	22 35	0 49	15 16	14 55	21 12	1 45	4 51
S 25	22 2	7 45	4 5	23 48	0 15	24 53	1 39	3 24	2 2	17 25	1 0	8 9	2 18	17 2	0 17	16 52	0 19	22 35	0 49	15 16	14 54	21 15	1 45	4 52
S 26	22 10	1 26	3 11	23 34	0 2	24 49	1 41	3 7	2 2	17 23	1 0	8 9	2 18	17 3	0 17	16 53	0 19	22 35	0 49	15 16	14 53	21 17	1 44	4 52
M27	22 18	5n 9	2 5	23 19	0s13	24 45	1 42	2 50	2 3	17 20	1 0	8 8	2 18	17 4	0 17	16 53	0 19	22 35	0 49	15 17	14 52	21 19	1 43	4 52
T 28	22 25	11 39	0 48	23 4	0 28	24 39	1 43	2 34	2 3	17 17	1 0	8 7	2 17	17 5	0 17	16 53	0 19	22 35	0 49	15 17	14 51	21 22	1 43	4 52
W29	22 33	17 38	0n33	22 48	0 43	24 33	1 44	2 17	2 4	17 15	1 0	8 6	2 17	17 6	0 17	16 53	0 19	22 35	0 49	15 17	14 50	21 24	1 42	4 53
T 30	22 39	22 36	1 53	22 32	0 59	24 26	1 45	2 1	2 4	17 12	1 0	8 5	2 17	17 7	0 17	16 53	0 19	22 35	0 49	15 17	14 49	21 26	1 42	4 53
F 31	22n46	26n 3	3n 6	22n16	1s15	24n18	1n46	1s44	2s 5	17n 9	1n 0	8n 4	2n17	17n 8	0s17	16s53	0s19	22n35	0s49	15n16	14n48	21s29	1s42	4n53

Julian Day Number = 2153999.5, Delta T = 13m53s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'52, Lahiri = 12°29'52 Julian Calendar 1 May 1185 == Greg. Calendar 8 May 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

JUNE 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 25	16♊31'50	2♋42	2°R40	17♋24	1♈ 8	15♌52	14♍57	18♉32	14°R24	6♋10	11°R 9	9♉41	28♏26	14♓20	S 1
S 2	17 8 22	17°29'04	17°32	2♋33	18°36	1°51	16° 1	14°59	18°35	14♒23	6°12	11♉ 3	9°38	28°33	14°20	S 2
M 3	17 12 19	18°26'18	2♌ 0	2°21	19°48	2°33	16°10	15° 2	18°38	14°23	6°13	10°58	9°35	28°40	14°21	M 3
T 4	17 16 15	19°23'31	16° 0	2° 4	20°59	3°15	16°20	15° 4	18°41	14°22	6°15	10°53	9°32	28°46	14°21	T 4
W 5	17 20 12	20°20'43	29°32	1°44	22°11	3°57	16°30	15° 7	18°44	14°21	6°16	10°50	9°29	28°53	14°21	W 5
T 6	17 24 8	21°17'55	12♍37	1°20	23°23	4°39	16°39	15° 9	18°47	14°20	6°18	10°48	9°26	29° 0	14°22	T 6
F 7	17 28 5	22°15'06	25°18	0°53	24°34	5°21	16°49	15°12	18°50	14°19	6°19	10°D48	9°22	29° 6	14°22	F 7
S 8	17 32 1	23°12'16	7♎39	0°24	25°46	6° 3	16°59	15°15	18°53	14°19	6°21	10°49	9°19	29°13	14°22	S 8
S 9	17 35 58	24° 9'26	19°44	29♊51	26°57	6°45	17° 9	15°17	18°56	14°18	6°22	10°50	9°16	29°20	14°22	S 9
M10	17 39 54	25° 6'36	1♏39	29°17	28° 8	7°27	17°19	15°20	18°59	14°17	6°24	10°51	9°13	29°26	14°R22	M10
T 11	17 43 51	26° 3'45	13°27	28°42	29°20	8° 8	17°29	15°23	19° 2	14°16	6°25	10°R52	9°10	29°33	14°22	T 11
W12	17 47 48	27° 0'55	25°15	28° 5	0♌31	8°50	17°40	15°27	19° 5	14°15	6°27	10°50	9° 6	29°40	14°22	W12
T 13	17 51 44	27°58'04	7♐ 3	27°29	1°42	9°31	17°50	15°30	19° 8	14°14	6°28	10°47	9° 3	29°46	14°22	T 13
F 14	17 55 41	28°55'13	18°57	26°53	2°53	10°12	18° 0	15°33	19°11	14°13	6°30	10°42	9° 0	29°53	14°22	F 14
S 15	17 59 37	29°52'22	0♑57	26°19	4° 5	10°53	18°11	15°36	19°14	14°12	6°32	10°35	8°57	29°59	14°22	S 15
S 16	18 3 34	0♋49'31	13° 5	25°46	5°16	11°34	18°21	15°40	19°17	14°11	6°33	10°26	8°54	0♐ 6	14°21	S 16
M17	18 7 30	1°46'40	25°23	25°15	6°27	12°15	18°32	15°43	19°19	14°10	6°35	10°17	8°51	0°13	14°21	M17
T 18	18 11 27	2°43'49	7♒51	24°47	7°38	12°56	18°43	15°47	19°22	14° 9	6°36	10° 8	8°47	0°20	14°21	T 18
W19	18 15 24	3°40'59	20°31	24°23	8°49	13°37	18°54	15°51	19°25	14° 8	6°38	10° 0	8°44	0°26	14°20	W19
T 20	18 19 20	4°38'08	3♓24	24° 2	9°59	14°17	19° 5	15°55	19°28	14° 6	6°39	9°54	8°41	0°33	14°20	T 20
F 21	18 23 17	5°35'19	16°31	23°46	11°10	14°58	19°16	15°58	19°30	14° 5	6°41	9°50	8°38	0°40	14°19	F 21
S 22	18 27 13	6°32'29	29°54	23°34	12°21	15°38	19°27	16° 2	19°33	14° 4	6°42	9°49	8°35	0°46	14°19	S 22
S 23	18 31 10	7°29'41	13♈35	23°27	13°31	16°18	19°38	16° 6	19°36	14° 3	6°44	9°D49	8°32	0°53	14°18	S 23
M24	18 35 6	8°26'53	27°35	23°D25	14°42	16°58	19°49	16°11	19°38	14° 2	6°46	9°49	8°28	0°59	14°17	M24
T 25	18 39 3	9°24'05	11♉53	23°28	15°53	17°38	20° 0	16°15	19°41	14° 0	6°47	9°R50	8°25	1° 6	14°17	T 25
W26	18 42 59	10°21'18	26°29	23°37	17° 3	18°18	20°11	16°19	19°43	13°59	6°49	9°48	8°22	1°13	14°16	W26
T 27	18 46 56	11°18'32	11♊18	23°51	18°13	18°58	20°23	16°23	19°46	13°58	6°50	9°45	8°19	1°19	14°15	T 27
F 28	18 50 53	12°15'47	26°13	24°10	19°24	19°37	20°34	16°28	19°48	13°56	6°52	9°40	8°16	1°26	14°14	F 28
S 29	18 54 49	13°13'02	11♋ 7	24°35	20°34	20°17	20°46	16°32	19°51	13°55	6°53	9°32	8°12	1°33	14°13	S 29
S 30	18 58 46	14♋10'18	25♋51	25♊ 6	21♌44	20♈56	20♌57	16♍37	19♉53	13♒54	6♋55	9♉22	8♉ 9	1♐39	14♓12	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	27n35	4n 4	21n59	1s32	24n10	1n46	1s28	2s 5	17n 6	1n 0	8n 3	2n17	17n 9	0s17	16s54	0s19	22n35	0s49	15n14	14n47	21s31	1s41	4n53
S 2	22 57	27 6	4 45	21 43	1 48	24 1	1 47	1 11	2 6	17 3	1 0	8 2	2 16	17 9	0 17	16 54	0 19	22 35	0 49	15 13	14 46	21 33	1 41	4 53
M 3	23 2	24 47	5 7	21 27	2 5	23 51	1 48	0 55	2 6	17 0	1 0	8 1	2 16	17 10	0 17	16 54	0 19	22 35	0 49	15 11	14 45	21 36	1 40	4 54
T 4	23 7	21 2	5 10	21 11	2 21	23 41	1 48	0 38	2 7	16 57	1 0	8 0	2 16	17 11	0 17	16 54	0 19	22 35	0 49	15 10	14 44	21 38	1 40	4 54
W 5	23 12	16 17	4 55	20 55	2 37	23 30	1 49	0 22	2 7	16 54	0 59	7 59	2 16	17 12	0 17	16 55	0 20	22 35	0 49	15 9	14 43	21 40	1 40	4 54
T 6	23 16	10 55	4 25	20 39	2 53	23 18	1 49	0 5	2 8	16 51	0 59	7 58	2 16	17 13	0 17	16 55	0 20	22 35	0 48	15 8	14 42	21 43	1 39	4 54
F 7	23 19	5 16	3 42	20 24	3 8	23 6	1 50	0n11	2 8	16 48	0 59	7 56	2 16	17 14	0 17	16 55	0 20	22 35	0 48	15 8	14 41	21 45	1 39	4 55
S 8	23 22	0s26	2 51	20 10	3 23	22 53	1 50	0 27	2 8	16 45	0 59	7 55	2 15	17 15	0 17	16 55	0 20	22 35	0 48	15 8	14 40	21 47	1 39	4 55
S 9	23 25	6 1	1 52	19 56	3 36	22 40	1 50	0 43	2 9	16 42	0 59	7 54	2 15	17 15	0 17	16 56	0 20	22 35	0 48	15 9	14 39	21 49	1 39	4 55
M10	23 27	11 19	0 50	19 44	3 49	22 25	1 50	0 59	2 9	16 39	0 59	7 52	2 15	17 16	0 17	16 56	0 20	22 35	0 48	15 9	14 38	21 52	1 38	4 55
T 11	23 29	16 10	0s14	19 32	4 1	22 11	1 50	1 15	2 10	16 36	0 59	7 51	2 15	17 17	0 17	16 56	0 20	22 35	0 48	15 9	14 37	21 54	1 38	4 55
W12	23 31	20 24	1 17	19 21	4 11	21 55	1 50	1 31	2 10	16 33	0 59	7 50	2 15	17 18	0 17	16 57	0 20	22 35	0 48	15 9	14 36	21 56	1 38	4 56
T 13	23 32	23 50	2 17	19 12	4 20	21 39	1 50	1 47	2 10	16 29	0 59	7 48	2 14	17 19	0 17	16 57	0 20	22 35	0 48	15 8	14 35	21 58	1 38	4 56
F 14	23 33	26 15	3 11	19 3	4 27	21 23	1 50	2 3	2 11	16 26	0 59	7 47	2 14	17 19	0 17	16 57	0 20	22 35	0 48	15 6	14 34	22 1	1 38	4 56
S 15	23 33	27 29	3 57	18 56	4 33	21 6	1 49	2 19	2 11	16 23	0 59	7 45	2 14	17 20	0 17	16 57	0 20	22 35	0 48	15 4	14 33	22 3	1 37	4 56
S 16	23 33	27 25	4 32	18 51	4 38	20 48	1 49	2 35	2 11	16 19	0 59	7 44	2 14	17 21	0 17	16 58	0 20	22 35	0 48	15 1	14 32	22 5	1 37	4 57
M17	23 32	26 0	4 56	18 47	4 41	20 30	1 48	2 51	2 12	16 16	0 59	7 42	2 14	17 22	0 17	16 58	0 20	22 35	0 48	14 58	14 31	22 7	1 37	4 57
T 18	23 31	23 18	5 6	18 45	4 42	20 11	1 48	3 6	2 12	16 13	0 59	7 41	2 13	17 23	0 17	16 58	0 20	22 35	0 48	14 55	14 30	22 10	1 37	4 57
W19	23 30	19 28	5 1	18 44	4 42	19 51	1 47	3 22	2 12	16 9	0 59	7 39	2 13	17 23	0 17	16 59	0 20	22 35	0 48	14 53	14 29	22 12	1 37	4 57
T 20	23 28	14 40	4 41	18 45	4 40	19 32	1 46	3 37	2 13	16 6	0 59	7 37	2 13	17 24	0 17	16 59	0 20	22 35	0 48	14 51	14 28	22 14	1 37	4 57
F 21	23 26	9 7	4 6	18 47	4 37	19 11	1 45	3 53	2 13	16 2	0 59	7 36	2 13	17 25	0 17	17 0	0 20	22 35	0 48	14 50	14 27	22 16	1 37	4 58
S 22	23 23	3 3	3 17	18 51	4 33	18 51	1 44	4 8	2 13	15 59	0 58	7 34	2 13	17 25	0 17	17 0	0 20	22 35	0 47	14 49	14 26	22 18	1 37	4 58
S 23	23 20	3n18	2 16	18 57	4 27	18 29	1 43	4 23	2 13	15 55	0 58	7 32	2 13	17 26	0 17	17 0	0 20	22 35	0 47	14 49	14 25	22 21	1 37	4 58
M24	23 17	9 39	1 5	19 4	4 20	18 8	1 42	4 38	2 14	15 52	0 58	7 31	2 12	17 27	0 17	17 1	0 20	22 35	0 47	14 49	14 23	22 23	1 37	4 58
T 25	23 13	15 39	0n11	19 12	4 12	17 45	1 41	4 53	2 14	15 48	0 58	7 29	2 12	17 28	0 17	17 1	0 20	22 35	0 47	14 49	14 22	22 25	1 37	4 59
W26	23 8	20 53	1 28	19 21	4 2	17 23	1 40	5 8	2 14	15 44	0 58	7 27	2 12	17 28	0 17	17 1	0 20	22 35	0 47	14 49	14 21	22 27	1 38	4 59
T 27	23 4	24 52	2 40	19 32	3 52	17 0	1 38	5 23	2 14	15 41	0 58	7 25	2 12	17 29	0 17	17 2	0 20	22 35	0 47	14 48	14 20	22 29	1 38	4 59
F 28	22 59	27 11	3 41	19 44	3 41	16 36	1 37	5 38	2 15	15 37	0 58	7 23	2 12	17 30	0 17	17 2	0 20	22 35	0 47	14 46	14 19	22 32	1 38	4 59
S 29	22 53	27 31	4 27	19 57	3 30	16 12	1 35	5 53	2 15	15 33	0 58	7 21	2 12	17 30	0 17	17 3	0 20	22 35	0 47	14 44	14 18	22 34	1 38	4 59
S 30	22n47	25n54	4n55	20n10	3s17	15n48	1n33	6n 7	2s15	15n30	0n58	7n19	2n11	17n31	0s17	17s 3	0s20	22n35	0s47	14n41	14n17	22s36	1s38	5n 0

Julian Day Number = 2154030.5, Delta T = 13m53s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°22'56, Lahiri = 12°29'57 Julian Calendar 1 June 1185 == Greg. Calendar 8 June 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

JULY 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 2 42	15♋ 7'34	10♌17	25♊42	22♌54	21♈35	21♌ 9	16♍42	19♉55	13°R52	6♋56	9°R12	8♉ 6	1♐46	14°R11	M 1
T 2	19 6 39	16° 4'50	24°19	26°24	24° 4	22°14	21°21	16°46	19°58	13♒51	6°58	9♉ 3	8° 3	1°53	14♓10	T 2
W 3	19 10 35	17° 2'07	7♍54	27°11	25°14	22°52	21°32	16°51	20° 0	13°50	7° 0	8°56	8° 0	1°59	14° 9	W 3
T 4	19 14 32	17°59'24	21° 2	28° 3	26°24	23°31	21°44	16°56	20° 2	13°48	7° 1	8°50	7°57	2° 6	14° 7	T 4
F 5	19 18 28	18°56'42	3♎45	29° 1	27°34	24° 9	21°56	17° 1	20° 4	13°47	7° 3	8°47	7°53	2°13	14° 6	F 5
S 6	19 22 25	19°54'00	16° 6	0♋ 4	28°44	24°48	22° 8	17° 6	20° 6	13°45	7° 4	8°D46	7°50	2°19	14° 5	S 6
S 7	19 26 22	20°51'18	28°11	1°12	29°54	25°26	22°20	17°11	20° 9	13°44	7° 6	8°46	7°47	2°26	14° 3	S 7
M 8	19 30 18	21°48'37	10♏ 6	2°25	1♍ 3	26° 3	22°32	17°16	20°11	13°42	7° 7	8°R47	7°44	2°33	14° 2	M 8
T 9	19 34 15	22°45'56	21°54	3°44	2°13	26°41	22°44	17°22	20°13	13°41	7° 9	8°46	7°41	2°39	14° 1	T 9
W10	19 38 11	23°43'16	3♐42	5° 7	3°22	27°19	22°56	17°27	20°15	13°39	7°10	8°43	7°38	2°46	13°59	W10
T 11	19 42 8	24°40'37	15°34	6°34	4°31	27°56	23° 8	17°32	20°17	13°38	7°12	8°38	7°34	2°53	13°58	T 11
F 12	19 46 4	25°37'59	27°34	8° 6	5°40	28°33	23°20	17°38	20°18	13°36	7°13	8°31	7°31	2°59	13°56	F 12
S 13	19 50 1	26°35'21	9♑43	9°43	6°50	29°10	23°33	17°43	20°20	13°35	7°15	8°21	7°28	3° 6	13°54	S 13
S 14	19 53 57	27°32'44	22° 4	11°23	7°59	29°47	23°45	17°49	20°22	13°33	7°16	8° 9	7°25	3°13	13°53	S 14
M15	19 57 54	28°30'08	4♒37	13° 7	9° 7	0♉23	23°57	17°54	20°24	13°32	7°18	7°56	7°22	3°19	13°51	M15
T 16	20 1 51	29°27'33	17°23	14°55	10°16	1° 0	24°10	18° 0	20°26	13°30	7°19	7°43	7°18	3°26	13°49	T 16
W17	20 5 47	0♌24'59	0♓21	16°46	11°25	1°36	24°22	18° 6	20°27	13°28	7°21	7°32	7°15	3°33	13°47	W17
T 18	20 9 44	1°22'26	13°31	18°39	12°34	2°12	24°34	18°11	20°29	13°27	7°22	7°23	7°12	3°39	13°45	T 18
F 19	20 13 40	2°19'54	26°52	20°35	13°42	2°48	24°47	18°17	20°31	13°25	7°24	7°17	7° 9	3°46	13°43	F 19
S 20	20 17 37	3°17'24	10♈24	22°33	14°50	3°23	24°59	18°23	20°32	13°24	7°25	7°14	7° 6	3°53	13°42	S 20
S 21	20 21 33	4°14'55	24° 7	24°32	15°59	3°58	25°12	18°29	20°34	13°22	7°26	7°13	7° 3	3°59	13°40	S 21
M22	20 25 30	5°12'27	8♉ 3	26°33	17° 7	4°33	25°25	18°35	20°35	13°20	7°28	7°13	6°59	4° 6	13°38	M22
T 23	20 29 26	6°10'02	22°10	28°35	18°15	5° 8	25°37	18°41	20°36	13°19	7°29	7°12	6°56	4°13	13°35	T 23
W24	20 33 23	7° 7'37	6♊29	0♌38	19°23	5°43	25°50	18°47	20°38	13°17	7°31	7°10	6°53	4°19	13°33	W24
T 25	20 37 20	8° 5'15	20°57	2°41	20°31	6°17	26° 2	18°53	20°39	13°16	7°32	7° 6	6°50	4°26	13°31	T 25
F 26	20 41 16	9° 2'53	5♋29	4°44	21°39	6°51	26°15	18°59	20°40	13°14	7°33	6°59	6°47	4°33	13°29	F 26
S 27	20 45 13	10° 0'34	20° 2	6°46	22°46	7°25	26°28	19° 6	20°42	13°12	7°35	6°50	6°44	4°39	13°27	S 27
S 28	20 49 9	10°58'15	4♌27	8°49	23°54	7°59	26°41	19°12	20°43	13°11	7°36	6°39	6°40	4°46	13°25	S 28
M29	20 53 6	11°55'58	18°38	10°50	25° 1	8°32	26°53	19°18	20°44	13° 9	7°37	6°27	6°37	4°53	13°22	M29
T 30	20 57 2	12°53'43	2♍30	12°51	26° 8	9° 5	27° 6	19°25	20°45	13° 7	7°39	6°16	6°34	4°59	13°20	T 30
W31	21 0 59	13♌51'28	15♍59	14♌51	27♍15	9♉38	27♌19	19♍31	20♉46	13♒ 6	7♋40	6♉ 7	6♉31	5♐ 6	13♓18	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n41	22n36	5n 3	20n24	3s 4	15n23	1n32	6n22	2s15	15n26	0n58	7n17	2n11	17n31	0s17	17s 3	0s20	22n35	0s47	14n38	14n16	22s38	1s38	5n 0
T 2	22 34	18 4	4 53	20 39	2 51	14 58	1 30	6 36	2 15	15 22	0 58	7 15	2 11	17 32	0 17	17 4	0 20	22 35	0 47	14 35	14 15	22 40	1 39	5 0
W 3	22 27	12 45	4 26	20 54	2 37	14 33	1 28	6 50	2 15	15 18	0 58	7 13	2 11	17 33	0 17	17 4	0 20	22 35	0 47	14 32	14 14	22 42	1 39	5 0
T 4	22 20	7 1	3 45	21 9	2 23	14 7	1 26	7 5	2 15	15 14	0 58	7 11	2 11	17 33	0 17	17 5	0 20	22 35	0 47	14 31	14 13	22 45	1 39	5 0
F 5	22 12	1 11	2 55	21 23	2 9	13 41	1 24	7 19	2 16	15 10	0 58	7 9	2 11	17 34	0 17	17 5	0 20	22 35	0 47	14 30	14 12	22 47	1 40	5 1
S 6	22 4	4s33	1 58	21 38	1 55	13 14	1 21	7 33	2 16	15 7	0 58	7 7	2 11	17 34	0 17	17 6	0 20	22 35	0 47	14 29	14 11	22 49	1 40	5 1
S 7	21 55	10 0	0 56	21 52	1 40	12 48	1 19	7 46	2 16	15 3	0 58	7 5	2 10	17 35	0 17	17 6	0 20	22 35	0 47	14 29	14 10	22 51	1 40	5 1
M 8	21 46	15 1	0s 7	22 6	1 26	12 21	1 17	8 0	2 16	14 59	0 58	7 3	2 10	17 36	0 17	17 6	0 20	22 35	0 47	14 29	14 9	22 53	1 41	5 1
T 9	21 37	19 26	1 9	22 18	1 11	11 53	1 14	8 14	2 16	14 55	0 58	7 1	2 10	17 36	0 17	17 7	0 20	22 35	0 46	14 29	14 8	22 55	1 41	5 1
W10	21 27	23 5	2 8	22 30	0 57	11 26	1 12	8 27	2 16	14 51	0 58	6 58	2 10	17 37	0 17	17 7	0 20	22 35	0 46	14 28	14 7	22 57	1 41	5 1
T 11	21 17	25 47	3 2	22 40	0 43	10 58	1 9	8 40	2 16	14 47	0 58	6 56	2 10	17 37	0 17	17 8	0 20	22 35	0 46	14 27	14 6	22 59	1 42	5 2
F 12	21 7	27 19	3 48	22 49	0 29	10 30	1 6	8 54	2 16	14 43	0 58	6 54	2 10	17 38	0 17	17 8	0 20	22 35	0 46	14 24	14 5	23 1	1 42	5 2
S 13	20 56	27 35	4 24	22 55	0 16	10 1	1 3	9 7	2 16	14 39	0 58	6 52	2 10	17 38	0 17	17 9	0 20	22 35	0 46	14 21	14 4	23 4	1 43	5 2
S 14	20 45	26 29	4 49	23 0	0 3	9 33	1 0	9 20	2 16	14 34	0 58	6 49	2 10	17 39	0 17	17 9	0 20	22 35	0 46	14 17	14 3	23 6	1 43	5 2
M15	20 33	24 2	5 0	23 3	0n 9	9 4	0 57	9 33	2 16	14 30	0 58	6 47	2 9	17 39	0 17	17 10	0 20	22 35	0 46	14 13	14 2	23 8	1 44	5 2
T 16	20 21	20 23	4 56	23 3	0 21	8 35	0 54	9 45	2 16	14 26	0 58	6 45	2 9	17 40	0 17	17 10	0 20	22 35	0 46	14 9	14 1	23 10	1 44	5 2
W17	20 9	15 43	4 37	23 1	0 32	8 6	0 51	9 58	2 16	14 22	0 58	6 42	2 9	17 40	0 17	17 11	0 20	22 35	0 46	14 5	14 0	23 12	1 45	5 3
T 18	19 57	10 15	4 3	22 57	0 43	7 36	0 48	10 10	2 15	14 18	0 58	6 40	2 9	17 40	0 17	17 11	0 20	22 35	0 46	14 2	13 59	23 14	1 45	5 3
F 19	19 44	4 15	3 16	22 50	0 52	7 7	0 44	10 23	2 15	14 14	0 58	6 38	2 9	17 41	0 17	17 12	0 20	22 35	0 46	14 0	13 58	23 16	1 46	5 3
S 20	19 30	2n 2	2 17	22 40	1 1	6 37	0 41	10 35	2 15	14 9	0 58	6 35	2 9	17 41	0 17	17 12	0 20	22 34	0 46	13 59	13 57	23 18	1 47	5 3
S 21	19 17	8 20	1 9	22 27	1 10	6 7	0 37	10 47	2 15	14 5	0 58	6 33	2 9	17 42	0 17	17 12	0 20	22 34	0 46	13 59	13 56	23 20	1 47	5 3
M22	19 3	14 19	0n 4	22 12	1 17	5 37	0 33	10 59	2 15	14 1	0 58	6 30	2 9	17 42	0 17	17 13	0 20	22 34	0 46	13 59	13 55	23 22	1 48	5 3
T 23	18 49	19 39	1 18	21 54	1 23	5 7	0 30	11 11	2 15	13 57	0 58	6 28	2 8	17 42	0 17	17 13	0 20	22 34	0 46	13 59	13 53	23 24	1 49	5 3
W24	18 34	23 55	2 28	21 33	1 29	4 37	0 26	11 22	2 15	13 52	0 58	6 25	2 8	17 43	0 17	17 14	0 20	22 34	0 46	13 58	13 52	23 26	1 49	5 4
T 25	18 20	26 43	3 29	21 10	1 34	4 7	0 22	11 34	2 14	13 48	0 58	6 23	2 8	17 43	0 17	17 14	0 20	22 34	0 46	13 57	13 51	23 28	1 50	5 4
F 26	18 4	27 42	4 17	20 45	1 38	3 36	0 18	11 45	2 14	13 44	0 58	6 20	2 8	17 43	0 17	17 15	0 20	22 34	0 46	13 55	13 50	23 30	1 51	5 4
S 27	17 49	26 47	4 48	20 18	1 41	3 6	0 14	11 56	2 14	13 39	0 58	6 18	2 8	17 44	0 17	17 15	0 20	22 34	0 46	13 51	13 49	23 32	1 51	5 4
S 28	17 33	24 5	5 0	19 48	1 43	2 35	0 10	12 7	2 14	13 35	0 58	6 15	2 8	17 44	0 17	17 16	0 20	22 34	0 45	13 48	13 48	23 34	1 52	5 4
M29	17 17	19 57	4 54	19 17	1 45	2 5	0 6	12 18	2 13	13 31	0 58	6 13	2 8	17 44	0 17	17 16	0 20	22 34	0 45	13 44	13 47	23 36	1 53	5 4
T 30	17 1	14 49	4 30	18 43	1 46	1 34	0 2	12 29	2 13	13 26	0 58	6 10	2 8	17 45	0 17	17 17	0 20	22 34	0 45	13 40	13 46	23 38	1 54	5 4
W31	16n45	9n 6	3n52	18n 9	1n46	1n 3	0s 3	12n40	2s13	13n22	0n58	6n 7	2n 8	17n45	0s17	17s17	0s20	22n34	0s45	13n37	13n45	23s40	1s55	5n 4

Julian Day Number = 2154060.5, Delta T = 13m53s
Ecliptic obliquity = 23°32'48, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'00, Lahiri = 12°30'01 Julian Calendar 1 July 1185 == Greg. Calendar 8 July 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

AUGUST 1185 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 56	14♌49'15	29♍ 4	16♌50	28♍22	10♉10	27♌32	19♍38	20♉47	13°R 4	7♋41	6°R 0	6♉28	5♐13	13°R15	T 1
F 2	21 8 52	15°47'03	11♎46	18°48	29°29	10°42	27°45	19°44	20°48	13♒ 2	7°43	5♉55	6°24	5°19	13♓13	F 2
S 3	21 12 49	16°44'52	24° 8	20°44	0♎36	11°14	27°58	19°51	20°49	13° 1	7°44	5°53	6°21	5°26	13°10	S 3
S 4	21 16 45	17°42'42	6♏14	22°40	1°42	11°45	28°11	19°57	20°50	12°59	7°45	5°D53	6°18	5°33	13° 8	S 4
M 5	21 20 42	18°40'34	18° 9	24°34	2°48	12°17	28°24	20° 4	20°51	12°58	7°46	5°R53	6°15	5°39	13° 5	M 5
T 6	21 24 38	19°38'27	29°59	26°27	3°55	12°48	28°36	20°11	20°51	12°56	7°48	5°53	6°12	5°46	13° 3	T 6
W 7	21 28 35	20°36'22	11♐49	28°18	5° 1	13°18	28°49	20°17	20°52	12°54	7°49	5°51	6° 9	5°53	13° 0	W 7
T 8	21 32 31	21°34'17	23°43	0♏ 9	6° 6	13°48	29° 2	20°24	20°53	12°53	7°50	5°47	6° 5	5°59	12°58	T 8
F 9	21 36 28	22°32'14	5♑48	1°58	7°12	14°18	29°15	20°31	20°53	12°51	7°51	5°40	6° 2	6° 6	12°55	F 9
S 10	21 40 25	23°30'13	18° 5	3°45	8°18	14°48	29°28	20°38	20°54	12°49	7°52	5°31	5°59	6°13	12°53	S 10
S 11	21 44 21	24°28'13	0♒37	5°32	9°23	15°17	29°41	20°45	20°54	12°48	7°54	5°20	5°56	6°19	12°50	S 11
M12	21 48 18	25°26'15	13°26	7°17	10°28	15°46	29°54	20°51	20°55	12°46	7°55	5° 8	5°53	6°26	12°47	M12
T 13	21 52 14	26°24'18	26°31	9° 1	11°33	16°15	0♍ 7	20°58	20°55	12°45	7°56	4°57	5°50	6°33	12°45	T 13
W14	21 56 11	27°22'23	9♓51	10°43	12°38	16°43	0°20	21° 5	20°55	12°43	7°57	4°46	5°46	6°39	12°42	W14
T 15	22 0 7	28°20'29	23°24	12°24	13°42	17°11	0°33	21°12	20°56	12°41	7°58	4°38	5°43	6°46	12°39	T 15
F 16	22 4 4	29°18'37	7♈ 7	14° 4	14°46	17°38	0°46	21°19	20°56	12°40	7°59	4°33	5°40	6°53	12°36	F 16
S 17	22 8 0	0♍16'48	20°58	15°43	15°50	18° 5	0°59	21°26	20°56	12°38	8° 0	4°30	5°37	6°59	12°34	S 17
S 18	22 11 57	1°15'00	4♉55	17°21	16°54	18°32	1°12	21°33	20°56	12°37	8° 1	4°D29	5°34	7° 6	12°31	S 18
M19	22 15 53	2°13'15	18°58	18°58	17°58	18°58	1°26	21°40	20°56	12°35	8° 2	4°30	5°30	7°13	12°28	M19
T 20	22 19 50	3°11'31	3♊ 4	20°33	19° 1	19°24	1°39	21°48	20°R56	12°34	8° 3	4°R30	5°27	7°19	12°25	T 20
W21	22 23 47	4° 9'50	17°13	22° 7	20° 4	19°49	1°52	21°55	20°56	12°32	8° 4	4°29	5°24	7°26	12°23	W21
T 22	22 27 43	5° 8'11	1♋24	23°40	21° 7	20°14	2° 5	22° 2	20°56	12°31	8° 5	4°27	5°21	7°33	12°20	T 22
F 23	22 31 40	6° 6'35	15°34	25°12	22°10	20°38	2°18	22° 9	20°56	12°29	8° 6	4°22	5°18	7°39	12°17	F 23
S 24	22 35 36	7° 5'00	29°41	26°43	23°12	21° 2	2°31	22°16	20°56	12°28	8° 7	4°14	5°15	7°46	12°14	S 24
S 25	22 39 33	8° 3'27	13♌40	28°12	24°15	21°26	2°44	22°23	20°56	12°26	8° 8	4° 6	5°11	7°53	12°11	S 25
M26	22 43 29	9° 1'57	27°27	29°41	25°17	21°49	2°57	22°31	20°55	12°25	8° 9	3°56	5° 8	7°59	12° 9	M26
T 27	22 47 26	10° 0'28	10♍58	1♎ 8	26°18	22°11	3°10	22°38	20°55	12°24	8°10	3°47	5° 5	8° 6	12° 6	T 27
W28	22 51 22	10°59'01	24°12	2°34	27°19	22°33	3°23	22°45	20°55	12°22	8°10	3°40	5° 2	8°13	12° 3	W28
T 29	22 55 19	11°57'36	7♎ 7	3°59	28°20	22°55	3°36	22°52	20°54	12°21	8°11	3°35	4°59	8°19	12° 0	T 29
F 30	22 59 16	12°56'13	19°43	5°23	29°21	23°16	3°49	23° 0	20°54	12°19	8°12	3°31	4°56	8°26	11°57	F 30
S 31	23 3 12	13♍54'52	2♏ 1	6♎45	0♏21	23♉36	4♍ 2	23♍ 7	20♉53	12♒18	8♋13	3°D30	4♉52	8♐33	11♓54	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n28	3n 9	3n 2	17n33	1n46	0n33	0s 7	12n50	2s12	13n17	0n58	6n 5	2n 8	17n45	0s17	17s18	0s20	22n34	0s45	13n35	13n44	23s42	1s55	5n 4
F 2	16 11	2s46	2 4	16 55	1 45	0 2	0 11	13 1	2 12	13 13	0 58	6 2	2 8	17 45	0 17	17 18	0 20	22 34	0 45	13 33	13 43	23 44	1 56	5 5
S 3	15 53	8 27	1 2	16 16	1 43	0s29	0 16	13 11	2 12	13 9	0 58	6 0	2 8	17 46	0 17	17 19	0 20	22 34	0 45	13 33	13 42	23 46	1 57	5 5
S 4	15 36	13 41	0s 2	15 37	1 41	1 0	0 21	13 21	2 11	13 4	0 58	5 57	2 7	17 46	0 17	17 19	0 20	22 34	0 45	13 33	13 41	23 48	1 58	5 5
M 5	15 18	18 21	1 5	14 56	1 38	1 30	0 25	13 31	2 11	13 0	0 58	5 54	2 7	17 46	0 17	17 20	0 21	22 34	0 45	13 33	13 40	23 50	1 59	5 5
T 6	15 0	22 16	2 4	14 15	1 35	2 1	0 30	13 41	2 10	12 55	0 58	5 51	2 7	17 46	0 17	17 20	0 21	22 34	0 45	13 32	13 39	23 52	2 0	5 5
W 7	14 41	25 15	2 58	13 33	1 32	2 32	0 35	13 50	2 10	12 51	0 58	5 49	2 7	17 46	0 17	17 21	0 21	22 34	0 45	13 32	13 38	23 54	2 1	5 5
T 8	14 23	27 9	3 45	12 50	1 28	3 2	0 39	14 0	2 10	12 46	0 58	5 46	2 7	17 47	0 17	17 21	0 21	22 34	0 45	13 30	13 37	23 56	2 2	5 5
F 9	14 4	27 47	4 22	12 7	1 23	3 33	0 44	14 9	2 9	12 41	0 58	5 43	2 7	17 47	0 17	17 22	0 21	22 34	0 45	13 28	13 36	23 58	2 3	5 5
S 10	13 45	27 5	4 48	11 24	1 18	4 3	0 49	14 18	2 9	12 37	0 58	5 40	2 7	17 47	0 17	17 22	0 21	22 34	0 45	13 25	13 35	24 0	2 3	5 5
S 11	13 25	25 0	5 1	10 40	1 13	4 34	0 54	14 27	2 8	12 32	0 58	5 38	2 7	17 47	0 17	17 22	0 21	22 34	0 45	13 22	13 33	24 2	2 4	5 5
M12	13 6	21 38	4 59	9 56	1 8	5 4	0 59	14 36	2 8	12 28	0 58	5 35	2 7	17 47	0 17	17 23	0 21	22 34	0 45	13 18	13 32	24 4	2 5	5 5
T 13	12 46	17 8	4 41	9 11	1 2	5 34	1 4	14 45	2 7	12 23	0 58	5 32	2 7	17 47	0 17	17 23	0 21	22 34	0 45	13 14	13 31	24 6	2 6	5 5
W14	12 26	11 44	4 8	8 27	0 56	6 4	1 9	14 53	2 6	12 19	0 58	5 29	2 7	17 47	0 17	17 24	0 21	22 34	0 45	13 10	13 30	24 7	2 7	5 5
T 15	12 6	5 42	3 20	7 42	0 50	6 34	1 14	15 2	2 6	12 14	0 58	5 27	2 7	17 47	0 17	17 24	0 21	22 34	0 45	13 8	13 29	24 9	2 8	5 5
F 16	11 46	0n41	2 20	6 58	0 43	7 4	1 20	15 10	2 5	12 9	0 58	5 24	2 7	17 47	0 17	17 25	0 21	22 34	0 45	13 6	13 28	24 11	2 9	5 5
S 17	11 25	7 7	1 12	6 13	0 37	7 34	1 25	15 18	2 5	12 5	0 58	5 21	2 7	17 47	0 17	17 25	0 21	22 34	0 45	13 5	13 27	24 13	2 10	5 5
S 18	11 5	13 15	0n 2	5 29	0 30	8 3	1 30	15 26	2 4	12 0	0 59	5 18	2 7	17 48	0 17	17 26	0 21	22 34	0 44	13 4	13 26	24 15	2 12	5 5
M19	10 44	18 46	1 16	4 44	0 23	8 33	1 35	15 34	2 3	11 56	0 59	5 15	2 7	17 48	0 17	17 26	0 21	22 34	0 44	13 5	13 25	24 17	2 13	5 5
T 20	10 23	23 15	2 26	4 0	0 16	9 2	1 41	15 42	2 2	11 51	0 59	5 12	2 7	17 48	0 17	17 27	0 21	22 34	0 44	13 5	13 24	24 19	2 14	5 5
W21	10 2	26 22	3 28	3 16	0 8	9 31	1 46	15 49	2 2	11 46	0 59	5 10	2 7	17 48	0 17	17 27	0 21	22 34	0 44	13 5	13 23	24 21	2 15	5 5
T 22	9 40	27 49	4 16	2 32	0 1	10 0	1 52	15 56	2 1	11 42	0 59	5 7	2 7	17 48	0 17	17 27	0 21	22 34	0 44	13 4	13 22	24 23	2 16	5 5
F 23	9 19	27 25	4 49	1 49	0s 7	10 29	1 57	16 4	2 0	11 37	0 59	5 4	2 7	17 47	0 17	17 28	0 21	22 34	0 44	13 2	13 21	24 24	2 17	5 5
S 24	8 57	25 16	5 4	1 5	0 15	10 57	2 2	16 11	1 59	11 32	0 59	5 1	2 7	17 47	0 17	17 28	0 21	22 34	0 44	12 59	13 20	24 26	2 18	5 5
S 25	8 35	21 36	5 1	0 22	0 22	11 25	2 8	16 18	1 58	11 28	0 59	4 58	2 6	17 47	0 17	17 29	0 21	22 34	0 44	12 56	13 19	24 28	2 19	5 5
M26	8 13	16 47	4 40	0s20	0 30	11 53	2 13	16 24	1 58	11 23	0 59	4 55	2 6	17 47	0 17	17 29	0 21	22 34	0 44	12 53	13 18	24 30	2 20	5 5
T 27	7 51	11 14	4 4	1 2	0 38	12 21	2 19	16 31	1 57	11 18	0 59	4 52	2 6	17 47	0 17	17 29	0 21	22 34	0 44	12 50	13 17	24 32	2 21	5 5
W28	7 29	5 18	3 15	1 44	0 46	12 48	2 24	16 38	1 56	11 14	0 59	4 49	2 6	17 47	0 17	17 30	0 21	22 34	0 44	12 48	13 15	24 34	2 22	5 5
T 29	7 6	0s44	2 17	2 25	0 54	13 16	2 30	16 44	1 55	11 9	0 59	4 47	2 6	17 47	0 17	17 30	0 21	22 34	0 44	12 46	13 14	24 35	2 23	5 5
F 30	6 44	6 36	1 14	3 6	1 2	13 43	2 35	16 50	1 54	11 5	0 59	4 44	2 6	17 47	0 17	17 31	0 21	22 34	0 44	12 45	13 13	24 37	2 25	5 5
S 31	6n21	12s 6	0n 8	3s46	1s10	14s 9	2s41	16n56	1s53	11n 0	0n59	4n41	2n 6	17n47	0s17	17s31	0s21	22n34	0s44	12n44	13n12	24s39	2s26	5n 5

Julian Day Number = 2154091.5, Delta T = 13m53s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'05, Lahiri = 12°30'05 Julian Calendar 1 Aug. 1185 == Greg. Calendar 8 Aug. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

SEPTEMBER 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 9	14♍53'32	14♏ 6	8♎ 7	1♏21	23♉56	4♍14	23♍14	20°R53	12°R17	8♋14	3♉31	4♉49	8♐39	11°R52	S 1
M 2	23 11 5	15°52'14	26° 1	9°27	2°21	24°15	4°27	23°22	20♉52	12♒15	8°14	3°32	4°46	8°46	11♓49	M 2
T 3	23 15 2	16°50'59	7♐51	10°45	3°20	24°34	4°40	23°29	20°51	12°14	8°15	3°33	4°43	8°53	11°46	T 3
W 4	23 18 58	17°49'44	19°41	12° 2	4°19	24°52	4°53	23°36	20°51	12°13	8°16	3°R34	4°40	8°59	11°43	W 4
T 5	23 22 55	18°48'32	1♑37	13°18	5°18	25° 9	5° 6	23°44	20°50	12°12	8°16	3°33	4°36	9° 6	11°40	T 5
F 6	23 26 51	19°47'21	13°42	14°32	6°16	25°26	5°19	23°51	20°49	12°10	8°17	3°30	4°33	9°13	11°38	F 6
S 7	23 30 48	20°46'13	26° 3	15°44	7°14	25°42	5°32	23°58	20°48	12° 9	8°18	3°25	4°30	9°19	11°35	S 7
S 8	23 34 45	21°45'06	8♒41	16°55	8°11	25°58	5°44	24° 6	20°47	12° 8	8°18	3°19	4°27	9°26	11°32	S 8
M 9	23 38 41	22°44'00	21°40	18° 4	9° 8	26°13	5°57	24°13	20°46	12° 7	8°19	3°12	4°24	9°33	11°29	M 9
T 10	23 42 38	23°42'57	4♓59	19°11	10° 4	26°28	6°10	24°21	20°45	12° 6	8°19	3° 6	4°21	9°39	11°26	T 10
W11	23 46 34	24°41'56	18°39	20°16	11° 0	26°41	6°23	24°28	20°44	12° 5	8°20	3° 0	4°17	9°46	11°24	W11
T 12	23 50 31	25°40'56	2♈35	21°18	11°55	26°54	6°35	24°35	20°43	12° 4	8°20	2°55	4°14	9°53	11°21	T 12
F 13	23 54 27	26°39'59	16°44	22°18	12°50	27° 7	6°48	24°43	20°42	12° 3	8°21	2°52	4°11	9°59	11°18	F 13
S 14	23 58 24	27°39'04	1♉ 1	23°16	13°44	27°18	7° 1	24°50	20°41	12° 2	8°21	2°D51	4° 8	10° 6	11°16	S 14
S 15	0 2 20	28°38'11	15°23	24°10	14°38	27°29	7°13	24°57	20°40	12° 1	8°22	2°52	4° 5	10°13	11°13	S 15
M16	0 6 17	29°37'20	29°44	25° 2	15°31	27°39	7°26	25° 5	20°38	12° 0	8°22	2°53	4° 1	10°19	11°10	M16
T 17	0 10 14	0♎36'32	14♊ 2	25°50	16°24	27°49	7°38	25°12	20°37	11°59	8°23	2°54	3°58	10°26	11° 8	T 17
W18	0 14 10	1°35'47	28°14	26°35	17°15	27°57	7°51	25°19	20°36	11°58	8°23	2°R55	3°55	10°33	11° 5	W18
T 19	0 18 7	2°35'03	12♋18	27°15	18° 7	28° 5	8° 3	25°27	20°34	11°57	8°23	2°55	3°52	10°39	11° 2	T 19
F 20	0 22 3	3°34'23	26°13	27°51	18°57	28°12	8°15	25°34	20°33	11°56	8°24	2°53	3°49	10°46	11° 0	F 20
S 21	0 26 0	4°33'44	9♌58	28°22	19°47	28°18	8°28	25°41	20°31	11°55	8°24	2°50	3°46	10°53	10°57	S 21
S 22	0 29 56	5°33'08	23°31	28°48	20°36	28°24	8°40	25°49	20°30	11°54	8°24	2°46	3°42	10°59	10°55	S 22
M23	0 33 53	6°32'34	6♍51	29° 8	21°25	28°29	8°52	25°56	20°28	11°53	8°24	2°42	3°39	11° 6	10°52	M23
T 24	0 37 49	7°32'02	19°58	29°22	22°12	28°32	9° 5	26° 3	20°27	11°53	8°25	2°38	3°36	11°13	10°50	T 24
W25	0 41 46	8°31'32	2♎51	29°R29	22°59	28°35	9°17	26°11	20°25	11°52	8°25	2°35	3°33	11°19	10°48	W25
T 26	0 45 43	9°31'04	15°29	29°29	23°45	28°37	9°29	26°18	20°23	11°51	8°25	2°32	3°30	11°26	10°45	T 26
F 27	0 49 39	10°30'39	27°53	29°21	24°30	28°38	9°41	26°25	20°21	11°51	8°25	2°D31	3°27	11°33	10°43	F 27
S 28	0 53 36	11°30'15	10♏ 5	29° 4	25°14	28°R39	9°53	26°32	20°20	11°50	8°25	2°32	3°23	11°39	10°40	S 28
S 29	0 57 32	12°29'54	22° 6	28°40	25°58	28°38	10° 5	26°40	20°18	11°49	8°25	2°33	3°20	11°46	10°38	S 29
M30	1 1 29	13♎29'34	3♐59	28♎ 6	26♏40	28♉37	10♍17	26♍47	20♉16	11♒49	8♋25	2♉34	3♉17	11♐53	10♓36	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5n59	17s 3	0s57	4s25	1s18	14s36	2s46	17n 2	1s52	10n55	0n59	4n38	2n 6	17n47	0s17	17s31	0s21	22n34	0s44	12n45	13n11	24s41	2s27	5n 5	
M 2	5 36	21 16	1 59	5 4	1 26	15 2	2 52	17 8	1 51	10 51	0 59	4 35	2 6	17 46	0 17	17 32	0 21	22 34	0 44	12 45	13 10	24 43	2 28	5 5	
T 3	5 13	24 36	2 55	5 42	1 34	15 27	2 57	17 13	1 50	10 46	1 0	4 32	2 6	17 46	0 17	17 32	0 21	22 34	0 44	12 45	13 9	24 44	2 29	5 5	
W 4	4 50	26 52	3 44	6 20	1 41	15 53	3 3	17 19	1 49	10 41	1 0	4 29	2 6	17 46	0 17	17 33	0 21	22 34	0 44	12 46	13 8	24 46	2 30	5 5	
T 5	4 27	27 55	4 23	6 57	1 49	16 18	3 8	17 24	1 47	10 37	1 0	4 26	2 7	17 46	0 17	17 33	0 21	22 34	0 44	12 45	13 7	24 48	2 31	5 5	
F 6	4 4	27 40	4 51	7 33	1 57	16 43	3 14	17 29	1 46	10 32	1 0	4 23	2 7	17 46	0 17	17 33	0 21	22 34	0 44	12 44	13 6	24 50	2 33	5 4	
S 7	3 40	26 3	5 7	8 8	2 4	17 7	3 19	17 34	1 45	10 27	1 0	4 20	2 7	17 45	0 17	17 34	0 21	22 34	0 44	12 43	13 5	24 51	2 34	5 4	
S 8	3 17	23 7	5 8	8 42	2 12	17 31	3 24	17 39	1 44	10 23	1 0	4 17	2 7	17 45	0 17	17 34	0 21	22 34	0 44	12 41	13 4	24 53	2 35	5 4	
M 9	2 54	18 58	4 54	9 15	2 19	17 55	3 30	17 44	1 42	10 18	1 0	4 14	2 7	17 45	0 17	17 34	0 21	22 34	0 43	12 38	13 3	24 55	2 36	5 4	
T 10	2 30	13 48	4 23	9 47	2 26	18 18	3 35	17 49	1 41	10 13	1 0	4 12	2 7	17 45	0 17	17 35	0 21	22 34	0 43	12 36	13 2	24 57	2 37	5 4	
W11	2 7	7 50	3 37	10 18	2 33	18 41	3 40	17 53	1 40	10 9	1 0	4 9	2 7	17 44	0 17	17 35	0 21	22 34	0 43	12 34	13 0	24 58	2 38	5 4	
T 12	1 43	1 22	2 37	10 48	2 39	19 3	3 46	17 58	1 38	10 4	1 0	4 6	2 7	17 44	0 17	17 35	0 21	22 34	0 43	12 32	12 59	25 0	2 39	5 4	
F 13	1 20	5n16	1 27	11 17	2 45	19 25	3 51	18 2	1 37	9 59	1 0	4 3	2 7	17 44	0 17	17 35	0 21	22 34	0 43	12 31	12 58	25 2	2 41	5 4	
S 14	0 56	11 44	0 10	11 44	2 51	19 47	3 56	18 6	1 35	9 55	1 1	4 0	2 7	17 43	0 18	17 36	0 21	22 34	0 43	12 31	12 57	25 3	2 42	5 3	
S 15	0 33	17 36	1n 8	12 9	2 57	20 8	4 1	18 10	1 34	9 50	1 1	3 57	2 7	17 43	0 18	17 36	0 21	22 34	0 43	12 31	12 56	25 5	2 43	5 3	
M16	0 9	22 29	2 22	12 33	3 2	20 29	4 6	18 14	1 32	9 46	1 1	3 54	2 7	17 43	0 18	17 36	0 21	22 34	0 43	12 32	12 55	25 7	2 44	5 3	
T 17	0s15	26 0	3 26	12 56	3 7	20 49	4 11	18 17	1 31	9 41	1 1	3 51	2 7	17 42	0 18	17 37	0 21	22 34	0 43	12 32	12 54	25 9	2 45	5 3	
W18	0 38	27 50	4 18	13 16	3 11	21 9	4 16	18 21	1 29	9 36	1 1	3 48	2 7	17 42	0 18	17 37	0 21	22 34	0 43	12 32	12 53	25 10	2 46	5 3	
T 19	1 2	27 50	4 53	13 34	3 15	21 28	4 21	18 24	1 27	9 32	1 1	3 46	2 7	17 42	0 18	17 37	0 21	22 34	0 43	12 32	12 52	25 12	2 47	5 3	
F 20	1 26	26 5	5 11	13 50	3 18	21 47	4 25	18 28	1 26	9 27	1 1	3 43	2 7	17 41	0 18	17 37	0 21	22 34	0 43	12 32	12 51	25 14	2 49	5 3	
S 21	1 49	22 49	5 11	14 4	3 21	22 5	4 30	18 31	1 24	9 23	1 1	3 40	2 7	17 41	0 18	17 38	0 21	22 34	0 43	12 31	12 50	25 15	2 50	5 2	
S 22	2 13	18 21	4 53	14 15	3 22	22 23	4 35	18 34	1 22	9 18	1 1	3 37	2 7	17 40	0 18	17 38	0 21	22 34	0 43	12 29	12 49	25 17	2 51	5 2	
M23	2 37	13 3	4 20	14 23	3 23	22 41	4 39	18 36	1 20	9 14	1 2	3 34	2 7	17 40	0 18	17 38	0 21	22 34	0 43	12 28	12 47	25 19	2 52	5 2	
T 24	3 0	7 15	3 33	14 27	3 23	22 58	4 43	18 39	1 18	9 9	1 2	3 31	2 7	17 39	0 18	17 38	0 21	22 34	0 43	12 26	12 46	25 20	2 53	5 2	
W25	3 24	1 15	2 36	14 29	3 22	23 14	4 48	18 42	1 16	9 5	1 2	3 28	2 7	17 39	0 18	17 38	0 21	22 34	0 43	12 25	12 45	25 22	2 54	5 2	
T 26	3 47	4s42	1 32	14 26	3 19	23 30	4 52	18 44	1 14	9 0	1 2	3 26	2 8	17 39	0 18	17 39	0 21	22 34	0 43	12 25	12 44	25 24	2 55	5 1	
F 27	4 11	10 22	0 26	14 20	3 15	23 45	4 56	18 46	1 12	8 56	1 2	3 23	2 8	17 38	0 18	17 39	0 21	22 34	0 43	12 24	12 43	25 25	2 56	5 1	
S 28	4 34	15 34	0s42	14 9	3 10	24 0	5 0	18 48	1 10	8 51	1 2	3 20	2 8	17 38	0 18	17 39	0 21	22 34	0 43	12 24	12 42	25 27	2 57	5 1	
S 29	4 58	20 5	1 46	13 54	3 3	24 14	5 3	18 50	1 8	8 47	1 2	3 17	2 8	17 37	0 18	17 39	0 21	22 34	0 43	12 25	12 41	25 28	2 58	5 1	
M30	5s21	23s45	2s45	13s34	2s55	24s28	5s 7	18n52	1s 6	8n43	1n 2	3n14	2n 8	17n37	0s18	17s39	0s21	22n34	0s43	12n25	12n40	25s30	2s59	5n 1	

Julian Day Number = 2154122.5, Delta T = 13m53s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'09, Lahiri = 12°30'09 Julian Calendar 1 Sept. 1185 == Greg. Calendar 8 Sept. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

OCTOBER 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 5 25	14♎29'16	15♐48	27°R24	27♏21	28°R34	10♍29	26♍54	20°R14	11°R48	8♋25	2♉36	3♉14	11♐59	10°R34	T 1
W 2	1 9 22	15°29'00	27°38	26♎34	28° 1	28♉31	10°41	27° 1	20♉12	11♒48	8°R25	2°37	3°11	12° 6	10♓31	W 2
T 3	1 13 18	16°28'46	9♑32	25°36	28°40	28°27	10°52	27° 8	20°10	11°47	8°25	2°38	3° 7	12°13	10°29	T 3
F 4	1 17 15	17°28'33	21°36	24°31	29°18	28°22	11° 4	27°15	20° 8	11°47	8°25	2°R38	3° 4	12°19	10°27	F 4
S 5	1 21 12	18°28'22	3♒55	23°20	29°54	28°16	11°16	27°22	20° 6	11°46	8°25	2°37	3° 1	12°26	10°25	S 5
S 6	1 25 8	19°28'13	16°32	22° 6	0♐29	28° 9	11°27	27°29	20° 4	11°46	8°25	2°36	2°58	12°33	10°23	S 6
M 7	1 29 5	20°28'06	29°31	20°49	1° 3	28° 2	11°39	27°36	20° 2	11°46	8°25	2°35	2°55	12°39	10°21	M 7
T 8	1 33 1	21°28'00	12♓55	19°34	1°36	27°53	11°50	27°43	20° 0	11°45	8°25	2°33	2°52	12°46	10°19	T 8
W 9	1 36 58	22°27'56	26°43	18°21	2° 7	27°44	12° 1	27°50	19°58	11°45	8°25	2°32	2°48	12°53	10°17	W 9
T 10	1 40 54	23°27'54	10♈54	17°13	2°36	27°33	12°13	27°57	19°56	11°45	8°25	2°31	2°45	12°59	10°15	T 10
F 11	1 44 51	24°27'53	25°24	16°12	3° 4	27°22	12°24	28° 4	19°54	11°44	8°25	2°D30	2°42	13° 6	10°14	F 11
S 12	1 48 47	25°27'55	10♉ 7	15°20	3°30	27°10	12°35	28°11	19°51	11°44	8°24	2°30	2°39	13°13	10°12	S 12
S 13	1 52 44	26°27'59	24°56	14°39	3°55	26°58	12°46	28°18	19°49	11°44	8°24	2°31	2°36	13°20	10°10	S 13
M14	1 56 40	27°28'04	9♊44	14° 8	4°17	26°44	12°57	28°24	19°47	11°44	8°24	2°31	2°33	13°26	10° 8	M14
T 15	2 0 37	28°28'12	24°24	13°49	4°38	26°30	13° 8	28°31	19°45	11°44	8°23	2°32	2°29	13°33	10° 7	T 15
W16	2 4 34	29°28'22	8♋51	13°D42	4°58	26°14	13°19	28°38	19°42	11°44	8°23	2°32	2°26	13°40	10° 5	W16
T 17	2 8 30	0♏28'35	23° 1	13°46	5°15	25°59	13°29	28°45	19°40	11°D44	8°23	2°32	2°23	13°46	10° 4	T 17
F 18	2 12 27	1°28'49	6♌53	14° 1	5°30	25°42	13°40	28°51	19°38	11°44	8°22	2°R32	2°20	13°53	10° 2	F 18
S 19	2 16 23	2°29'05	20°27	14°26	5°43	25°25	13°51	28°58	19°35	11°44	8°22	2°D32	2°17	14° 0	10° 1	S 19
S 20	2 20 20	3°29'23	3♍42	15° 0	5°54	25° 7	14° 1	29° 4	19°33	11°44	8°22	2°32	2°13	14° 6	9°59	S 20
M21	2 24 16	4°29'44	16°42	15°42	6° 3	24°48	14°12	29°11	19°31	11°44	8°21	2°32	2°10	14°13	9°58	M21
T 22	2 28 13	5°30'06	29°27	16°32	6° 9	24°29	14°22	29°17	19°28	11°44	8°21	2°32	2° 7	14°20	9°57	T 22
W23	2 32 9	6°30'30	11♎58	17°29	6°14	24° 9	14°32	29°24	19°26	11°44	8°20	2°33	2° 4	14°26	9°55	W23
T 24	2 36 6	7°30'56	24°19	18°31	6°R16	23°49	14°42	29°30	19°23	11°45	8°20	2°33	2° 1	14°33	9°54	T 24
F 25	2 40 3	8°31'23	6♏29	19°39	6°15	23°28	14°52	29°36	19°21	11°45	8°19	2°R33	1°58	14°40	9°53	F 25
S 26	2 43 59	9°31'53	18°31	20°51	6°13	23° 7	15° 2	29°43	19°18	11°45	8°19	2°33	1°54	14°46	9°52	S 26
S 27	2 47 56	10°32'24	0♐26	22° 6	6° 7	22°45	15°12	29°49	19°16	11°45	8°18	2°32	1°51	14°53	9°51	S 27
M28	2 51 52	11°32'56	12°17	23°25	6° 0	22°24	15°22	29°55	19°13	11°46	8°18	2°31	1°48	15° 0	9°50	M28
T 29	2 55 49	12°33'30	24° 6	24°46	5°50	22° 2	15°31	0♎ 1	19°11	11°46	8°17	2°30	1°45	15° 6	9°49	T 29
W30	2 59 45	13°34'06	5♑56	26°10	5°37	21°39	15°41	0° 7	19° 8	11°47	8°16	2°28	1°42	15°13	9°48	W30
T 31	3 3 42	14♏34'42	17♑50	27♎35	5♐22	21♉17	15♍50	0♎13	19♉ 6	11♒47	8♋16	2♉26	1♉39	15♐20	9♓47	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	5s44	26s23	3s37	13s 9	2s44	24s41	5s10	18n54	1s 4	8n38	1n 3	3n12	2n 8	17n36	0s18	17s40	0s21	22n34	0s43	12n26	12n39	25s32	3s 0	5n 0	
W 2	6 7	27 51	4 20	12 39	2 32	24 54	5 14	18 55	1 1	8 34	1 3	3 9	2 8	17 36	0 18	17 40	0 21	22 34	0 42	12 26	12 38	25 33	3 1	5 0	
T 3	6 30	28 3	4 51	12 5	2 18	25 6	5 17	18 57	0 59	8 29	1 3	3 6	2 8	17 35	0 18	17 40	0 21	22 34	0 42	12 26	12 37	25 35	3 2	5 0	
F 4	6 53	26 55	5 11	11 26	2 2	25 17	5 20	18 58	0 57	8 25	1 3	3 3	2 8	17 35	0 18	17 40	0 21	22 34	0 42	12 26	12 36	25 36	3 3	5 0	
S 5	7 16	24 29	5 16	10 43	1 45	25 28	5 22	18 59	0 54	8 21	1 3	3 1	2 8	17 34	0 18	17 40	0 21	22 34	0 42	12 26	12 34	25 38	3 4	4 59	
S 6	7 39	20 50	5 7	9 58	1 26	25 38	5 25	19 0	0 52	8 17	1 3	2 58	2 8	17 33	0 18	17 40	0 21	22 34	0 42	12 26	12 33	25 39	3 5	4 59	
M 7	8 2	16 6	4 42	9 11	1 6	25 47	5 27	19 0	0 49	8 12	1 3	2 55	2 9	17 33	0 18	17 40	0 21	22 35	0 42	12 25	12 32	25 41	3 6	4 59	
T 8	8 24	10 27	4 2	8 23	0 46	25 56	5 29	19 1	0 47	8 8	1 4	2 53	2 9	17 32	0 18	17 40	0 21	22 35	0 42	12 25	12 31	25 43	3 7	4 59	
W 9	8 47	4 9	3 6	7 36	0 25	26 4	5 31	19 1	0 44	8 4	1 4	2 50	2 9	17 32	0 18	17 40	0 21	22 35	0 42	12 24	12 30	25 44	3 8	4 58	
T 10	9 9	2n32	1 57	6 51	0 4	26 12	5 32	19 2	0 42	8 0	1 4	2 47	2 9	17 31	0 18	17 41	0 21	22 35	0 42	12 24	12 29	25 46	3 9	4 58	
F 11	9 31	9 15	0 39	6 10	0n16	26 19	5 34	19 2	0 39	7 55	1 4	2 45	2 9	17 31	0 18	17 41	0 21	22 35	0 42	12 24	12 28	25 47	3 10	4 58	
S 12	9 53	15 35	0n42	5 32	0 34	26 25	5 34	19 2	0 36	7 51	1 4	2 42	2 9	17 30	0 18	17 41	0 21	22 35	0 42	12 24	12 27	25 49	3 11	4 58	
S 13	10 15	21 3	2 1	5 0	0 52	26 30	5 35	19 1	0 33	7 47	1 4	2 39	2 9	17 29	0 18	17 41	0 21	22 35	0 42	12 24	12 26	25 50	3 12	4 57	
M14	10 37	25 11	3 12	4 33	1 8	26 35	5 35	19 1	0 31	7 43	1 5	2 37	2 9	17 29	0 18	17 41	0 21	22 35	0 42	12 24	12 25	25 52	3 13	4 57	
T 15	10 59	27 35	4 10	4 13	1 22	26 39	5 35	19 1	0 28	7 39	1 5	2 34	2 10	17 28	0 18	17 41	0 21	22 35	0 42	12 24	12 23	25 53	3 14	4 57	
W16	11 20	28 5	4 51	3 58	1 35	26 43	5 35	19 0	0 25	7 35	1 5	2 32	2 10	17 28	0 18	17 41	0 21	22 35	0 42	12 24	12 22	25 55	3 15	4 57	
T 17	11 41	26 43	5 13	3 50	1 46	26 45	5 34	18 59	0 22	7 31	1 5	2 29	2 10	17 27	0 18	17 41	0 21	22 35	0 42	12 24	12 21	25 56	3 15	4 56	
F 18	12 2	23 44	5 17	3 47	1 55	26 47	5 33	18 58	0 19	7 27	1 5	2 27	2 10	17 26	0 18	17 41	0 21	22 35	0 42	12 24	12 20	25 58	3 16	4 56	
S 19	12 23	19 30	5 2	3 50	2 2	26 48	5 32	18 56	0 16	7 23	1 5	2 24	2 10	17 26	0 17	17 41	0 21	22 35	0 42	12 24	12 19	25 59	3 17	4 56	
S 20	12 44	14 25	4 32	3 58	2 8	26 48	5 30	18 55	0 13	7 19	1 6	2 22	2 10	17 25	0 17	17 41	0 21	22 35	0 42	12 24	12 18	26 1	3 18	4 55	
M21	13 5	8 46	3 48	4 11	2 12	26 47	5 27	18 53	0 10	7 15	1 6	2 19	2 10	17 24	0 17	17 41	0 21	22 35	0 42	12 24	12 17	26 2	3 19	4 55	
T 22	13 25	2 53	2 54	4 27	2 15	26 45	5 24	18 52	0 7	7 12	1 6	2 17	2 11	17 24	0 17	17 41	0 21	22 36	0 42	12 25	12 16	26 4	3 19	4 55	
W23	13 45	3s 2	1 52	4 48	2 16	26 43	5 21	18 50	0 4	7 8	1 6	2 14	2 11	17 23	0 17	17 41	0 21	22 36	0 42	12 25	12 15	26 5	3 20	4 55	
T 24	14 5	8 46	0 46	5 11	2 17	26 39	5 17	18 48	0 1	7 4	1 6	2 12	2 11	17 22	0 17	17 41	0 21	22 36	0 41	12 25	12 14	26 6	3 21	4 54	
F 25	14 24	14 5	0s22	5 37	2 16	26 35	5 13	18 45	0n 2	7 0	1 6	2 10	2 11	17 22	0 17	17 40	0 21	22 36	0 41	12 25	12 12	26 8	3 22	4 54	
S 26	14 44	18 49	1 27	6 5	2 15	26 29	5 8	18 43	0 5	6 57	1 7	2 7	2 11	17 21	0 17	17 40	0 21	22 36	0 41	12 25	12 11	26 9	3 22	4 54	
S 27	15 3	22 45	2 29	6 36	2 13	26 23	5 2	18 41	0 8	6 53	1 7	2 5	2 11	17 20	0 17	17 40	0 21	22 36	0 41	12 24	12 10	26 11	3 23	4 53	
M28	15 22	25 43	3 23	7 8	2 10	26 16	4 56	18 38	0 11	6 49	1 7	2 3	2 12	17 20	0 17	17 40	0 21	22 36	0 41	12 24	12 9	26 12	3 24	4 53	
T 29	15 41	27 33	4 8	7 41	2 6	26 7	4 49	18 35	0 14	6 46	1 7	2 0	2 12	17 19	0 17	17 40	0 21	22 36	0 41	12 24	12 8	26 14	3 24	4 53	
W30	15 59	28 8	4 43	8 15	2 2	25 58	4 42	18 32	0 17	6 42	1 7	1 58	2 12	17 18	0 17	17 40	0 21	22 36	0 41	12 23	12 7	26 15	3 25	4 52	
T 31	16s17	27s25	5s 6	8s50	1n57	25s47	4s34	18n29	0n20	6n39	1n 8	1n56	2n12	17n18	0s17	17s40	0s21	22n36	0s41	12n22	12n 6	26s16	3s25	4n52	

Julian Day Number = 2154152.5, Delta T = 13m52s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'13, Lahiri = 12°30'13 Julian Calendar 1 Oct. 1185 == Greg. Calendar 8 Oct. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

NOVEMBER 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 7 39	15♏35'20	29♑52	29♎ 2	5°R 5	20°R54	16♍ 0	0♎19	19°R 3	11♒48	8°R15	2°R25	1♉35	15♐26	9°R47	F 1
S 2	3 11 35	16°36'00	12♒ 6	0♏31	4♐45	20♉31	16° 9	0°25	19♉ 1	11°48	8♋14	2°D25	1°32	15°33	9♓46	S 2
S 3	3 15 32	17°36'40	24°38	2° 0	4°23	20° 9	16°18	0°31	18°58	11°49	8°14	2♉25	1°29	15°40	9°45	S 3
M 4	3 19 28	18°37'21	7♓30	3°31	3°59	19°46	16°27	0°36	18°56	11°49	8°13	2°25	1°26	15°47	9°45	M 4
T 5	3 23 25	19°38'04	20°47	5° 2	3°33	19°24	16°36	0°42	18°53	11°50	8°12	2°27	1°23	15°53	9°44	T 5
W 6	3 27 21	20°38'47	4♈31	6°34	3° 5	19° 1	16°45	0°48	18°51	11°51	8°11	2°28	1°19	16° 0	9°44	W 6
T 7	3 31 18	21°39'32	18°43	8° 6	2°35	18°39	16°53	0°53	18°48	11°51	8°10	2°29	1°16	16° 7	9°43	T 7
F 8	3 35 14	22°40'18	3♉19	9°38	2° 3	18°17	17° 2	0°59	18°46	11°52	8°10	2°R30	1°13	16°13	9°43	F 8
S 9	3 39 11	23°41'05	18°16	11°11	1°30	17°55	17°10	1° 4	18°43	11°53	8° 9	2°29	1°10	16°20	9°43	S 9
S 10	3 43 7	24°41'53	3♊25	12°44	0°56	17°34	17°19	1° 9	18°41	11°54	8° 8	2°27	1° 7	16°27	9°42	S 10
M11	3 47 4	25°42'43	18°36	14°17	0°21	17°13	17°27	1°15	18°38	11°54	8° 7	2°24	1° 4	16°33	9°42	M11
T 12	3 51 1	26°43'34	3♋41	15°51	29♏45	16°53	17°35	1°20	18°36	11°55	8° 6	2°21	1° 0	16°40	9°42	T 12
W13	3 54 57	27°44'27	18°29	17°24	29° 9	16°33	17°43	1°25	18°33	11°56	8° 5	2°18	0°57	16°47	9°42	W13
T 14	3 58 54	28°45'20	2♌56	18°58	28°32	16°13	17°50	1°30	18°31	11°57	8° 4	2°15	0°54	16°53	9°D42	T 14
F 15	4 2 50	29°46'15	16°57	20°31	27°56	15°54	17°58	1°35	18°28	11°58	8° 3	2°13	0°51	17° 0	9°42	F 15
S 16	4 6 47	0♐47'12	0♍32	22° 5	27°20	15°35	18° 5	1°40	18°26	11°59	8° 2	2°D12	0°48	17° 7	9°42	S 16
S 17	4 10 43	1°48'09	13°42	23°38	26°44	15°17	18°13	1°45	18°23	12° 0	8° 1	2°13	0°45	17°13	9°42	S 17
M18	4 14 40	2°49'08	26°31	25°12	26° 9	15° 0	18°20	1°50	18°21	12° 1	8° 0	2°14	0°41	17°20	9°43	M18
T 19	4 18 37	3°50'08	9♎ 2	26°46	25°36	14°44	18°27	1°54	18°18	12° 2	7°59	2°16	0°38	17°27	9°43	T 19
W20	4 22 33	4°51'10	21°19	28°20	25° 3	14°28	18°34	1°59	18°16	12° 3	7°58	2°17	0°35	17°33	9°43	W20
T 21	4 26 30	5°52'12	3♏25	29°53	24°32	14°12	18°41	2° 4	18°14	12° 4	7°57	2°R18	0°32	17°40	9°44	T 21
F 22	4 30 26	6°53'15	15°24	1♐27	24° 3	13°58	18°48	2° 8	18°11	12° 6	7°56	2°17	0°29	17°47	9°44	F 22
S 23	4 34 23	7°54'20	27°17	3° 1	23°35	13°44	18°54	2°13	18° 9	12° 7	7°55	2°14	0°25	17°54	9°45	S 23
S 24	4 38 19	8°55'25	9♐ 8	4°35	23° 9	13°31	19° 0	2°17	18° 7	12° 8	7°54	2° 9	0°22	18° 0	9°45	S 24
M25	4 42 16	9°56'31	20°58	6° 9	22°46	13°19	19° 7	2°21	18° 4	12° 9	7°53	2° 3	0°19	18° 7	9°46	M25
T 26	4 46 12	10°57'38	2♑48	7°43	22°25	13° 8	19°13	2°25	18° 2	12°11	7°52	1°55	0°16	18°14	9°46	T 26
W27	4 50 9	11°58'45	14°41	9°18	22° 5	12°57	19°19	2°29	18° 0	12°12	7°51	1°47	0°13	18°20	9°47	W27
T 28	4 54 6	12°59'53	26°39	10°52	21°49	12°47	19°24	2°33	17°58	12°13	7°50	1°40	0°10	18°27	9°48	T 28
F 29	4 58 2	14° 1'01	8♒43	12°26	21°34	12°38	19°30	2°37	17°55	12°15	7°49	1°33	0° 6	18°34	9°49	F 29
S 30	5 1 59	15♐ 2'09	20♒57	14♐ 1	21♏22	12♉30	19♍35	2♎41	17♉53	12♒16	7♋47	1♉28	0♉ 3	18♐40	9♓50	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s35	25s25	5s16	9s26	1n52	25s35	4s25	18n26	0n23	6n35	1n 8	1n54	2n12	17n17	0s17	17s40	0s21	22n36	0s41	12n22	12n 5	26s18	3s26	4n52
S 2	16 52	22 13	5 12	10 2	1 47	25 23	4 16	18 23	0 26	6 32	1 8	1 51	2 12	17 16	0 17	17 40	0 21	22 36	0 41	12 22	12 4	26 19	3 26	4 52
S 3	17 10	17 58	4 53	10 38	1 41	25 9	4 6	18 20	0 29	6 29	1 8	1 49	2 13	17 16	0 17	17 39	0 21	22 37	0 41	12 22	12 3	26 20	3 27	4 51
M 4	17 27	12 48	4 19	11 15	1 35	24 54	3 56	18 17	0 32	6 25	1 8	1 47	2 13	17 15	0 17	17 39	0 21	22 37	0 41	12 22	12 1	26 22	3 28	4 51
T 5	17 43	6 53	3 31	11 51	1 29	24 38	3 45	18 13	0 35	6 22	1 9	1 45	2 13	17 14	0 17	17 39	0 21	22 37	0 41	12 23	12 0	26 23	3 28	4 51
W 6	18 0	0 28	2 28	12 28	1 23	24 21	3 33	18 10	0 38	6 19	1 9	1 43	2 13	17 14	0 17	17 39	0 21	22 37	0 41	12 23	11 59	26 25	3 28	4 50
T 7	18 16	6n12	1 15	13 4	1 16	24 3	3 20	18 7	0 41	6 16	1 9	1 41	2 13	17 13	0 17	17 39	0 21	22 37	0 41	12 23	11 58	26 26	3 29	4 50
F 8	18 31	12 45	0n 5	13 40	1 10	23 44	3 8	18 3	0 44	6 12	1 9	1 39	2 14	17 12	0 17	17 38	0 21	22 37	0 41	12 24	11 57	26 27	3 29	4 50
S 9	18 47	18 43	1 26	14 15	1 3	23 24	2 54	18 0	0 47	6 9	1 10	1 37	2 14	17 12	0 17	17 38	0 21	22 37	0 41	12 23	11 56	26 29	3 30	4 49
S 10	19 2	23 35	2 42	14 51	0 56	23 3	2 40	17 56	0 49	6 6	1 10	1 35	2 14	17 11	0 17	17 38	0 21	22 37	0 41	12 23	11 55	26 30	3 30	4 49
M11	19 16	26 50	3 47	15 25	0 49	22 42	2 26	17 53	0 52	6 3	1 10	1 33	2 14	17 10	0 17	17 38	0 21	22 37	0 41	12 22	11 54	26 31	3 31	4 49
T 12	19 31	28 5	4 36	15 59	0 42	22 20	2 11	17 50	0 55	6 0	1 10	1 31	2 14	17 10	0 17	17 38	0 21	22 37	0 41	12 21	11 53	26 32	3 31	4 48
W13	19 45	27 18	5 5	16 32	0 35	21 57	1 56	17 46	0 57	5 58	1 10	1 29	2 15	17 9	0 17	17 37	0 21	22 38	0 40	12 19	11 51	26 34	3 31	4 48
T 14	19 58	24 41	5 14	17 5	0 28	21 34	1 41	17 43	1 0	5 55	1 11	1 28	2 15	17 8	0 17	17 37	0 21	22 38	0 40	12 18	11 50	26 35	3 32	4 48
F 15	20 12	20 39	5 4	17 37	0 21	21 11	1 26	17 40	1 2	5 52	1 11	1 26	2 15	17 8	0 17	17 37	0 21	22 38	0 40	12 18	11 49	26 36	3 32	4 47
S 16	20 24	15 38	4 37	18 9	0 14	20 47	1 10	17 37	1 5	5 49	1 11	1 24	2 15	17 7	0 17	17 36	0 21	22 38	0 40	12 18	11 48	26 38	3 32	4 47
S 17	20 37	10 3	3 56	18 39	0 7	20 24	0 55	17 34	1 7	5 46	1 11	1 22	2 16	17 6	0 17	17 36	0 21	22 38	0 40	12 18	11 47	26 39	3 32	4 47
M18	20 49	4 12	3 4	19 9	0 0	20 1	0 39	17 31	1 9	5 44	1 12	1 21	2 16	17 6	0 17	17 36	0 21	22 38	0 40	12 18	11 46	26 40	3 33	4 46
T 19	21 1	1s42	2 4	19 37	0s 6	19 38	0 24	17 28	1 12	5 41	1 12	1 19	2 16	17 5	0 17	17 36	0 21	22 38	0 40	12 19	11 45	26 41	3 33	4 46
W20	21 12	7 26	1 0	20 5	0 13	19 15	0 8	17 25	1 14	5 39	1 12	1 17	2 16	17 4	0 17	17 35	0 21	22 38	0 40	12 19	11 44	26 43	3 33	4 46
T 21	21 23	12 48	0s 6	20 32	0 20	18 52	0n 7	17 23	1 16	5 36	1 12	1 16	2 16	17 4	0 17	17 35	0 21	22 38	0 40	12 20	11 43	26 44	3 33	4 45
F 22	21 33	17 39	1 11	20 58	0 26	18 31	0 22	17 20	1 18	5 34	1 13	1 14	2 17	17 3	0 17	17 35	0 21	22 39	0 40	12 19	11 41	26 45	3 33	4 45
S 23	21 44	21 47	2 12	21 23	0 33	18 10	0 37	17 18	1 20	5 32	1 13	1 13	2 17	17 2	0 17	17 34	0 21	22 39	0 40	12 18	11 40	26 46	3 33	4 45
S 24	21 53	25 0	3 7	21 48	0 39	17 49	0 51	17 16	1 22	5 29	1 13	1 11	2 17	17 2	0 17	17 34	0 21	22 39	0 40	12 17	11 39	26 48	3 33	4 44
M25	22 2	27 7	3 54	22 10	0 45	17 30	1 5	17 14	1 24	5 27	1 13	1 10	2 17	17 1	0 17	17 34	0 21	22 39	0 40	12 14	11 38	26 49	3 33	4 44
T 26	22 11	28 1	4 30	22 32	0 51	17 11	1 19	17 12	1 26	5 25	1 14	1 8	2 18	17 0	0 17	17 33	0 21	22 39	0 40	12 12	11 37	26 50	3 33	4 44
W27	22 20	27 38	4 55	22 53	0 57	16 53	1 32	17 11	1 27	5 23	1 14	1 7	2 18	17 0	0 17	17 33	0 21	22 39	0 40	12 9	11 36	26 51	3 33	4 43
T 28	22 28	25 57	5 8	23 13	1 3	16 37	1 45	17 9	1 29	5 21	1 14	1 6	2 18	16 59	0 17	17 32	0 21	22 39	0 40	12 6	11 35	26 52	3 33	4 43
F 29	22 35	23 5	5 7	23 31	1 9	16 21	1 57	17 8	1 31	5 19	1 14	1 4	2 18	16 59	0 17	17 32	0 21	22 39	0 40	12 4	11 34	26 54	3 33	4 43
S 30	22s42	19s10	4s51	23s49	1s14	16s 7	2n 9	17n 7	1n32	5n17	1n15	1n 3	2n19	16n58	0s17	17s32	0s21	22n40	0s40	12n 2	11n32	26s55	3s33	4n43

Julian Day Number = 2154183.5, Delta T = 13m52s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'17, Lahiri = 12°30'18 Julian Calendar 1 Nov. 1185 == Greg. Calendar 8 Nov. 1185

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ASTRODIENST EPHEMERIS for the year 1185
geocentric

DECEMBER 1185 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 55	16♐ 3'18	3♓25	15♐36	21°R13	12°R23	19♍41	2♎44	17°R51	12♒18	7°R46	1°R25	0♉ 0	18♐47	9♓51	S 1
M 2	5 9 52	17° 4'27	16°11	17°11	21♏ 6	12♉17	19°46	2°48	17♉49	12°19	7♋45	1°D24	29♈57	18°54	9°52	M 2
T 3	5 13 48	18° 5'36	29°18	18°46	21° 2	12°11	19°51	2°52	17°47	12°20	7°44	1♉25	29°54	19° 0	9°53	T 3
W 4	5 17 45	19° 6'45	12♈50	20°21	21°D 0	12° 6	19°55	2°55	17°45	12°22	7°43	1°26	29°50	19° 7	9°54	W 4
T 5	5 21 41	20° 7'54	26°49	21°57	21° 0	12° 2	20° 0	2°58	17°43	12°24	7°41	1°R27	29°47	19°14	9°55	T 5
F 6	5 25 38	21° 9'04	11♉16	23°33	21° 3	11°59	20° 4	3° 2	17°41	12°25	7°40	1°27	29°44	19°21	9°56	F 6
S 7	5 29 35	22°10'13	26° 7	25° 9	21° 8	11°57	20° 9	3° 5	17°39	12°27	7°39	1°24	29°41	19°27	9°58	S 7
S 8	5 33 31	23°11'23	11♊17	26°45	21°16	11°55	20°13	3° 8	17°37	12°28	7°38	1°19	29°38	19°34	9°59	S 8
M 9	5 37 28	24°12'33	26°37	28°22	21°25	11°D55	20°17	3°11	17°35	12°30	7°37	1°13	29°35	19°41	10° 1	M 9
T 10	5 41 24	25°13'43	11♋55	29°59	21°38	11°55	20°20	3°14	17°33	12°32	7°35	1° 4	29°31	19°47	10° 2	T 10
W11	5 45 21	26°14'53	27° 0	1♌36	21°52	11°56	20°24	3°16	17°31	12°33	7°34	0°55	29°28	19°54	10° 4	W11
T 12	5 49 17	27°16'04	11♌44	3°13	22° 8	11°57	20°27	3°19	17°30	12°35	7°33	0°47	29°25	20° 1	10° 5	T 12
F 13	5 53 14	28°17'14	25°59	4°51	22°27	12° 0	20°31	3°21	17°28	12°37	7°32	0°41	29°22	20° 7	10° 7	F 13
S 14	5 57 11	29°18'25	9♍44	6°29	22°47	12° 3	20°34	3°24	17°26	12°39	7°30	0°37	29°19	20°14	10° 8	S 14
S 15	6 1 7	0♌19'37	22°59	8° 7	23° 9	12° 7	20°37	3°26	17°25	12°40	7°29	0°35	29°16	20°21	10°10	S 15
M16	6 5 4	1°20'48	5♎49	9°45	23°34	12°11	20°39	3°29	17°23	12°42	7°28	0°D34	29°12	20°27	10°12	M16
T 17	6 9 0	2°22'00	18°17	11°24	24° 0	12°16	20°42	3°31	17°21	12°44	7°27	0°35	29° 9	20°34	10°14	T 17
W18	6 12 57	3°23'12	0♏28	13° 2	24°27	12°22	20°44	3°33	17°20	12°46	7°25	0°R36	29° 6	20°41	10°16	W18
T 19	6 16 53	4°24'24	12°27	14°41	24°57	12°29	20°46	3°35	17°18	12°48	7°24	0°35	29° 3	20°48	10°18	T 19
F 20	6 20 50	5°25'36	24°19	16°20	25°28	12°36	20°48	3°36	17°17	12°50	7°23	0°32	29° 0	20°54	10°20	F 20
S 21	6 24 46	6°26'47	6♐ 8	17°59	26° 0	12°44	20°50	3°38	17°15	12°51	7°21	0°26	28°57	21° 1	10°22	S 21
S 22	6 28 43	7°27'59	17°57	19°37	26°34	12°53	20°51	3°40	17°14	12°53	7°20	0°17	28°53	21° 8	10°24	S 22
M23	6 32 40	8°29'11	29°47	21°16	27°10	13° 2	20°53	3°41	17°13	12°55	7°19	0° 6	28°50	21°14	10°26	M23
T 24	6 36 36	9°30'22	11♌42	22°54	27°46	13°12	20°54	3°43	17°11	12°57	7°18	29♈53	28°47	21°21	10°28	T 24
W25	6 40 33	10°31'33	23°42	24°31	28°24	13°23	20°55	3°44	17°10	12°59	7°16	29°39	28°44	21°28	10°30	W25
T 26	6 44 29	11°32'44	5♒48	26° 8	29° 4	13°34	20°56	3°45	17° 9	13° 1	7°15	29°25	28°41	21°34	10°32	T 26
F 27	6 48 26	12°33'53	18° 1	27°43	29°44	13°46	20°56	3°46	17° 8	13° 3	7°14	29°13	28°37	21°41	10°35	F 27
S 28	6 52 22	13°35'02	0♓23	29°18	0♑26	13°58	20°57	3°47	17° 7	13° 5	7°13	29° 3	28°34	21°48	10°37	S 28
S 29	6 56 19	14°36'11	12°57	0♒51	1° 8	14°11	20°57	3°48	17° 6	13° 7	7°11	28°57	28°31	21°55	10°39	S 29
M30	7 0 15	15°37'18	25°43	2°21	1°52	14°24	20°R57	3°49	17° 5	13° 9	7°10	28°53	28°28	22° 1	10°42	M30
T 31	7 4 12	16♌38'24	8♈47	3♒50	2♑37	14♉38	20♍57	3♎50	17♉ 4	13♒12	7♋ 9	28♈51	28♈25	22♐ 8	10♓44	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s49	14s22	4s22	24s 5	1s19	15s54	2n20	17n 6	1n34	5n15	1n15	1n 2	2n19	16n57	0s17	17s31	0s21	22n40	0s39	12n 1	11n31	26s56	3s33	4n42
M 2	22 55	8 51	3 40	24 19	1 24	15 41	2 31	17 6	1 35	5 13	1 15	1 1	2 19	16 57	0 17	17 31	0 21	22 40	0 39	12 1	11 30	26 57	3 33	4 42
T 3	23 1	2 48	2 45	24 33	1 29	15 30	2 41	17 5	1 36	5 12	1 15	0 59	2 19	16 56	0 17	17 30	0 21	22 40	0 39	12 1	11 29	26 58	3 33	4 42
W 4	23 6	3n35	1 39	24 45	1 34	15 21	2 50	17 5	1 38	5 10	1 16	0 58	2 20	16 56	0 17	17 30	0 21	22 40	0 39	12 1	11 28	26 59	3 33	4 41
T 5	23 11	10 0	0 25	24 56	1 38	15 12	3 0	17 5	1 39	5 9	1 16	0 57	2 20	16 55	0 17	17 30	0 21	22 40	0 39	12 2	11 27	27 0	3 33	4 41
F 6	23 15	16 7	0n53	25 5	1 42	15 4	3 8	17 5	1 40	5 7	1 16	0 56	2 20	16 55	0 17	17 29	0 21	22 40	0 39	12 2	11 26	27 2	3 33	4 41
S 7	23 19	21 27	2 9	25 14	1 46	14 58	3 16	17 6	1 41	5 6	1 17	0 55	2 21	16 54	0 17	17 29	0 21	22 40	0 39	12 1	11 25	27 3	3 32	4 40
S 8	23 22	25 29	3 17	25 20	1 50	14 52	3 24	17 6	1 43	5 4	1 17	0 54	2 21	16 54	0 17	17 28	0 21	22 41	0 39	11 59	11 23	27 4	3 32	4 40
M 9	23 25	27 42	4 12	25 25	1 53	14 48	3 31	17 7	1 44	5 3	1 17	0 53	2 21	16 53	0 17	17 28	0 21	22 41	0 39	11 57	11 22	27 5	3 32	4 40
T 10	23 28	27 48	4 49	25 29	1 56	14 45	3 38	17 8	1 45	5 2	1 17	0 52	2 21	16 53	0 17	17 27	0 21	22 41	0 39	11 54	11 21	27 6	3 32	4 39
W11	23 30	25 50	5 5	25 31	1 59	14 42	3 44	17 9	1 46	5 1	1 18	0 51	2 22	16 52	0 17	17 27	0 21	22 41	0 39	11 51	11 20	27 7	3 31	4 39
T 12	23 31	22 9	5 0	25 32	2 1	14 41	3 50	17 11	1 47	4 59	1 18	0 51	2 22	16 52	0 17	17 26	0 21	22 41	0 39	11 48	11 19	27 8	3 31	4 39
F 13	23 32	17 15	4 36	25 31	2 3	14 40	3 55	17 12	1 47	4 58	1 18	0 50	2 22	16 51	0 17	17 26	0 21	22 41	0 39	11 46	11 18	27 9	3 31	4 39
S 14	23 33	11 37	3 58	25 28	2 5	14 41	4 0	17 14	1 48	4 58	1 19	0 49	2 22	16 51	0 17	17 25	0 21	22 41	0 39	11 44	11 17	27 10	3 30	4 38
S 15	23 33	5 39	3 7	25 24	2 6	14 42	4 5	17 16	1 49	4 57	1 19	0 48	2 23	16 50	0 17	17 25	0 21	22 41	0 39	11 44	11 16	27 11	3 30	4 38
M16	23 32	0s21	2 8	25 18	2 7	14 44	4 9	17 18	1 50	4 56	1 19	0 48	2 23	16 50	0 17	17 24	0 21	22 42	0 39	11 43	11 14	27 12	3 30	4 38
T 17	23 32	6 11	1 5	25 11	2 8	14 47	4 12	17 21	1 51	4 55	1 19	0 47	2 23	16 49	0 17	17 24	0 21	22 42	0 39	11 44	11 13	27 14	3 29	4 37
W18	23 30	11 40	0 1	25 1	2 8	14 50	4 16	17 23	1 51	4 54	1 20	0 47	2 24	16 49	0 17	17 23	0 21	22 42	0 38	11 44	11 12	27 15	3 29	4 37
T 19	23 28	16 38	1s 3	24 51	2 7	14 54	4 19	17 26	1 52	4 54	1 20	0 46	2 24	16 48	0 17	17 23	0 21	22 42	0 38	11 44	11 11	27 16	3 28	4 37
F 20	23 26	20 55	2 3	24 38	2 6	14 59	4 21	17 29	1 53	4 53	1 20	0 46	2 24	16 48	0 17	17 22	0 21	22 42	0 38	11 43	11 10	27 17	3 28	4 36
S 21	23 23	24 20	2 57	24 24	2 5	15 4	4 23	17 32	1 53	4 53	1 21	0 45	2 24	16 48	0 17	17 22	0 21	22 42	0 38	11 41	11 9	27 18	3 27	4 36
S 22	23 20	26 43	3 44	24 8	2 3	15 10	4 25	17 35	1 54	4 53	1 21	0 45	2 25	16 47	0 17	17 21	0 21	22 42	0 38	11 37	11 8	27 19	3 27	4 36
M23	23 16	27 53	4 21	23 50	2 0	15 17	4 27	17 38	1 54	4 52	1 21	0 45	2 25	16 47	0 17	17 21	0 21	22 43	0 38	11 34	11 7	27 20	3 26	4 36
T 24	23 12	27 47	4 46	23 31	1 57	15 23	4 28	17 42	1 55	4 52	1 21	0 44	2 25	16 47	0 17	17 20	0 21	22 43	0 38	11 29	11 5	27 21	3 26	4 35
W25	23 8	26 22	4 59	23 10	1 53	15 31	4 29	17 45	1 55	4 52	1 22	0 44	2 26	16 46	0 17	17 19	0 21	22 43	0 38	11 24	11 4	27 22	3 25	4 35
T 26	23 3	23 44	4 59	22 48	1 48	15 38	4 30	17 49	1 56	4 52	1 22	0 44	2 26	16 46	0 17	17 19	0 21	22 43	0 38	11 19	11 3	27 23	3 25	4 35
F 27	22 57	20 1	4 45	22 24	1 43	15 46	4 31	17 53	1 56	4 52	1 22	0 44	2 26	16 46	0 17	17 18	0 21	22 43	0 38	11 15	11 2	27 24	3 24	4 35
S 28	22 51	15 24	4 18	21 58	1 37	15 55	4 31	17 57	1 56	4 52	1 23	0 43	2 26	16 45	0 17	17 18	0 21	22 43	0 38	11 11	11 1	27 25	3 23	4 34
S 29	22 45	10 4	3 37	21 31	1 30	16 3	4 31	18 1	1 57	4 52	1 23	0 43	2 27	16 45	0 16	17 17	0 21	22 43	0 38	11 9	11 0	27 25	3 23	4 34
M30	22 38	4 14	2 46	21 4	1 22	16 12	4 31	18 6	1 57	4 53	1 23	0 43	2 27	16 45	0 16	17 17	0 21	22 43	0 38	11 7	10 59	27 26	3 22	4 34
T 31	22s30	1n54	1s44	20s35	1s14	16s21	4n30	18n10	1n57	4n53	1n23	0n43	2n27	16n45	0s16	17s16	0s21	22n44	0s38	11n 7	10n57	27s27	3s21	4n34

Julian Day Number = 2154213.5, Delta T = 13m52s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'21, Lahiri = 12°30'22 Julian Calendar 1 Dec. 1185 == Greg. Calendar 8 Dec. 1185

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

JANUARY 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 8 9	17♑39'30	22♈10	5♒15	3♐23	14♉53	20°R56	3♎50	17°R 3	13♒14	7°R 7	28°R51	28♈22	22♐15	10♓47	W 1
T 2	7 12 5	18°40'35	5♉55	6°37	4° 9	15° 8	20♍56	3°51	17♉ 2	13°16	7♋ 6	28♈51	28°18	22°21	10°49	T 2
F 3	7 16 2	19°41'38	20° 5	7°55	4°57	15°23	20°55	3°51	17° 1	13°18	7° 5	28°50	28°15	22°28	10°52	F 3
S 4	7 19 58	20°42'41	4♊39	9° 8	5°46	15°39	20°54	3°51	17° 0	13°20	7° 4	28°46	28°12	22°35	10°55	S 4
S 5	7 23 55	21°43'42	19°32	10°15	6°35	15°56	20°53	3°52	17° 0	13°22	7° 3	28°40	28° 9	22°41	10°57	S 5
M 6	7 27 51	22°44'43	4♋39	11°17	7°25	16°13	20°52	3°R52	16°59	13°24	7° 1	28°30	28° 6	22°48	11° 0	M 6
T 7	7 31 48	23°45'43	19°51	12°11	8°16	16°30	20°50	3°51	16°59	13°26	7° 0	28°19	28° 3	22°55	11° 3	T 7
W 8	7 35 45	24°46'41	4♌55	12°57	9° 8	16°48	20°48	3°51	16°58	13°29	6°59	28° 7	27°59	23° 1	11° 6	W 8
T 9	7 39 41	25°47'39	19°43	13°34	10° 0	17° 6	20°47	3°51	16°58	13°31	6°58	27°56	27°56	23° 8	11° 9	T 9
F 10	7 43 38	26°48'36	4♍ 6	14° 2	10°53	17°25	20°44	3°51	16°57	13°33	6°56	27°46	27°53	23°15	11°11	F 10
S 11	7 47 34	27°49'32	17°59	14°19	11°47	17°44	20°42	3°50	16°57	13°35	6°55	27°39	27°50	23°22	11°14	S 11
S 12	7 51 31	28°50'27	1♎23	14°R26	12°41	18° 3	20°40	3°49	16°56	13°37	6°54	27°35	27°47	23°28	11°17	S 12
M13	7 55 27	29°51'21	14°19	14°21	13°36	18°23	20°37	3°49	16°56	13°40	6°53	27°34	27°43	23°35	11°20	M13
T 14	7 59 24	0♒52'15	26°51	14° 6	14°32	18°44	20°34	3°48	16°56	13°42	6°52	27°33	27°40	23°42	11°23	T 14
W15	8 3 20	1°53'07	9♏ 4	13°39	15°28	19° 4	20°31	3°47	16°56	13°44	6°51	27°33	27°37	23°48	11°26	W15
T 16	8 7 17	2°53'59	21° 3	13° 2	16°25	19°25	20°28	3°46	16°56	13°46	6°49	27°32	27°34	23°55	11°29	T 16
F 17	8 11 13	3°54'50	2♐55	12°15	17°22	19°46	20°25	3°45	16°55	13°49	6°48	27°29	27°31	24° 2	11°33	F 17
S 18	8 15 10	4°55'40	14°43	11°20	18°20	20° 8	20°21	3°44	16°D55	13°51	6°47	27°23	27°28	24° 8	11°36	S 18
S 19	8 19 7	5°56'29	26°32	10°18	19°18	20°30	20°17	3°42	16°55	13°53	6°46	27°15	27°24	24°15	11°39	S 19
M20	8 23 3	6°57'16	8♑26	9°11	20°16	20°53	20°14	3°41	16°56	13°55	6°45	27° 3	27°21	24°22	11°42	M20
T 21	8 27 0	7°58'03	20°27	8° 1	21°16	21°15	20° 9	3°39	16°56	13°58	6°44	26°50	27°18	24°29	11°45	T 21
W22	8 30 56	8°58'48	2♒35	6°49	22°15	21°38	20° 5	3°38	16°56	14° 0	6°43	26°35	27°15	24°35	11°49	W22
T 23	8 34 53	9°59'32	14°54	5°39	23°15	22° 2	20° 1	3°36	16°56	14° 2	6°42	26°21	27°12	24°42	11°52	T 23
F 24	8 38 49	11° 0'14	27°22	4°31	24°15	22°25	19°56	3°34	16°56	14° 4	6°41	26° 9	27° 9	24°49	11°55	F 24
S 25	8 42 46	12° 0'55	9♓59	3°27	25°16	22°49	19°52	3°32	16°57	14° 7	6°40	25°58	27° 5	24°55	11°58	S 25
S 26	8 46 43	13° 1'34	22°48	2°29	26°17	23°13	19°47	3°30	16°57	14° 9	6°39	25°51	27° 2	25° 2	12° 2	S 26
M27	8 50 39	14° 2'12	5♈47	1°37	27°19	23°38	19°42	3°28	16°58	14°11	6°38	25°47	26°59	25° 9	12° 5	M27
T 28	8 54 36	15° 2'47	18°59	0°52	28°20	24° 2	19°36	3°26	16°58	14°14	6°37	25°45	26°56	25°15	12° 9	T 28
W29	8 58 32	16° 3'21	2♉25	0°15	29°22	24°27	19°31	3°23	16°59	14°16	6°36	25°D45	26°53	25°22	12°12	W29
T 30	9 2 29	17° 3'53	16° 7	29♑45	0♑25	24°53	19°25	3°21	16°59	14°18	6°35	25°R46	26°49	25°29	12°15	T 30
F 31	9 6 25	18♒ 4'23	0♊ 6	29♑23	1♑28	25♉18	19♍20	3♎18	17♉ 0	14♒20	6♋34	25♈45	26♈46	25♐36	12♓19	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s23	8n 7	0s35	20s 5	1s 4	16s31	4n30	18n15	1n58	4n53	1n24	0n43	2n28	16n44	0s16	17s15	0s21	22n44	0s38	11n 7	10n56	27s28	3s21	4n33
T 2	22 14	14 9	0n37	19 34	0 54	16 40	4 29	18 19	1 58	4 54	1 24	0 43	2 28	16 44	0 16	17 15	0 21	22 44	0 38	11 7	10 55	27 29	3 20	4 33
F 3	22 6	19 36	1 50	19 3	0 42	16 50	4 28	18 24	1 58	4 54	1 24	0 44	2 28	16 44	0 16	17 14	0 21	22 44	0 37	11 6	10 54	27 30	3 19	4 33
S 4	21 57	24 4	2 57	18 32	0 30	16 59	4 27	18 29	1 58	4 55	1 25	0 44	2 28	16 44	0 16	17 14	0 21	22 44	0 37	11 5	10 53	27 31	3 18	4 33
S 5	21 47	27 1	3 54	18 1	0 17	17 9	4 25	18 34	1 58	4 56	1 25	0 44	2 29	16 44	0 16	17 13	0 21	22 44	0 37	11 3	10 52	27 32	3 17	4 32
M 6	21 37	28 2	4 35	17 31	0 3	17 19	4 24	18 39	1 59	4 57	1 25	0 44	2 29	16 43	0 16	17 12	0 21	22 44	0 37	10 59	10 51	27 33	3 17	4 32
T 7	21 27	26 58	4 57	17 1	0n12	17 29	4 22	18 44	1 59	4 57	1 25	0 44	2 29	16 43	0 16	17 12	0 21	22 45	0 37	10 55	10 50	27 34	3 16	4 32
W 8	21 16	23 56	4 58	16 33	0 28	17 38	4 20	18 50	1 59	4 58	1 26	0 45	2 30	16 43	0 16	17 11	0 21	22 45	0 37	10 51	10 48	27 35	3 15	4 32
T 9	21 5	19 23	4 39	16 7	0 45	17 48	4 18	18 55	1 59	4 59	1 26	0 45	2 30	16 43	0 16	17 11	0 21	22 45	0 37	10 47	10 47	27 35	3 14	4 31
F 10	20 53	13 49	4 2	15 42	1 2	17 58	4 15	19 1	1 59	5 0	1 26	0 46	2 30	16 43	0 16	17 10	0 21	22 45	0 37	10 44	10 46	27 36	3 13	4 31
S 11	20 41	7 43	3 13	15 21	1 19	18 7	4 13	19 6	1 59	5 2	1 27	0 46	2 30	16 43	0 16	17 9	0 21	22 45	0 37	10 41	10 45	27 37	3 12	4 31
S 12	20 29	1 29	2 14	15 2	1 37	18 17	4 10	19 12	1 59	5 3	1 27	0 47	2 31	16 43	0 16	17 9	0 21	22 45	0 37	10 40	10 44	27 38	3 11	4 31
M13	20 16	4s36	1 9	14 46	1 55	18 26	4 8	19 17	1 59	5 4	1 27	0 47	2 31	16 43	0 16	17 8	0 21	22 45	0 37	10 39	10 43	27 39	3 11	4 30
T 14	20 3	10 20	0 4	14 34	2 12	18 36	4 5	19 23	1 59	5 5	1 27	0 48	2 31	16 43	0 16	17 7	0 21	22 45	0 37	10 39	10 42	27 40	3 10	4 30
W15	19 50	15 32	1s 1	14 26	2 29	18 45	4 2	19 29	1 59	5 7	1 28	0 48	2 31	16 43	0 16	17 7	0 21	22 46	0 37	10 39	10 40	27 41	3 9	4 30
T 16	19 36	20 3	2 1	14 21	2 45	18 54	3 59	19 35	1 59	5 8	1 28	0 49	2 32	16 43	0 16	17 6	0 21	22 46	0 37	10 39	10 39	27 41	3 8	4 30
F 17	19 22	23 42	2 55	14 20	2 59	19 2	3 55	19 41	1 59	5 10	1 28	0 50	2 32	16 43	0 16	17 5	0 21	22 46	0 36	10 37	10 38	27 42	3 7	4 30
S 18	19 7	26 20	3 42	14 23	3 12	19 11	3 52	19 46	1 59	5 12	1 28	0 50	2 32	16 43	0 16	17 5	0 21	22 46	0 36	10 35	10 37	27 43	3 6	4 29
S 19	18 52	27 49	4 19	14 29	3 23	19 19	3 49	19 52	1 59	5 13	1 29	0 51	2 33	16 43	0 16	17 4	0 21	22 46	0 36	10 32	10 36	27 44	3 5	4 29
M20	18 37	28 0	4 44	14 38	3 32	19 27	3 45	19 58	1 59	5 15	1 29	0 52	2 33	16 43	0 16	17 4	0 21	22 46	0 36	10 28	10 35	27 44	3 4	4 29
T 21	18 21	26 53	4 58	14 50	3 38	19 34	3 41	20 4	1 59	5 17	1 29	0 53	2 33	16 43	0 16	17 3	0 21	22 46	0 36	10 23	10 33	27 45	3 3	4 29
W22	18 6	24 30	4 58	15 4	3 42	19 42	3 38	20 10	1 59	5 19	1 29	0 54	2 33	16 43	0 16	17 2	0 21	22 46	0 36	10 18	10 32	27 46	3 1	4 29
T 23	17 49	20 58	4 45	15 20	3 44	19 49	3 34	20 17	1 59	5 21	1 30	0 55	2 34	16 43	0 16	17 2	0 21	22 47	0 36	10 13	10 31	27 47	3 0	4 28
F 24	17 33	16 28	4 17	15 37	3 43	19 55	3 30	20 23	1 59	5 23	1 30	0 56	2 34	16 43	0 16	17 1	0 21	22 47	0 36	10 8	10 30	27 48	2 59	4 28
S 25	17 16	11 12	3 37	15 54	3 40	20 2	3 26	20 29	1 59	5 25	1 30	0 57	2 34	16 43	0 16	17 0	0 21	22 47	0 36	10 5	10 29	27 48	2 58	4 28
S 26	16 59	5 24	2 45	16 12	3 35	20 8	3 22	20 35	1 59	5 27	1 30	0 58	2 34	16 43	0 16	17 0	0 21	22 47	0 36	10 2	10 28	27 49	2 57	4 28
M27	16 41	0n43	1 44	16 30	3 29	20 13	3 18	20 41	1 59	5 29	1 31	0 59	2 35	16 43	0 16	16 59	0 21	22 47	0 36	10 0	10 27	27 50	2 56	4 28
T 28	16 24	6 55	0 36	16 48	3 21	20 18	3 14	20 47	1 59	5 32	1 31	1 0	2 35	16 44	0 16	16 58	0 21	22 47	0 36	10 0	10 25	27 50	2 55	4 28
W29	16 6	12 55	0n35	17 5	3 11	20 23	3 10	20 53	1 59	5 34	1 31	1 1	2 35	16 44	0 16	16 58	0 21	22 47	0 36	10 0	10 24	27 51	2 54	4 27
T 30	15 47	18 25	1 46	17 21	3 1	20 27	3 5	20 59	1 59	5 36	1 31	1 2	2 35	16 44	0 16	16 57	0 21	22 47	0 36	10 0	10 23	27 52	2 52	4 27
F 31	15s29	23n 3	2n52	17s37	2n49	20s31	3n 1	21n 5	1n58	5n39	1n32	1n 3	2n36	16n44	0s16	16s56	0s21	22n48	0s35	10n 0	10n22	27s53	2s51	4n27

Julian Day Number = 2154244.5, Delta T = 13m52s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'26, Lahiri = 12°30'26 Julian Calendar 1 Jan. 1186 == Greg. Calendar 8 Jan. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

FEBRUARY 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 22	19♒ 4'52	14♊22	29°R 8	2♑31	25♉44	19°R14	3°R16	17♉ 1	14♒23	6°R33	25°R43	26♈43	25♐42	12♓22	S 1
S 2	9 14 18	20° 5'18	28°53	29♑ 1	3°34	26°10	19♍ 8	3♎13	17° 2	14°25	6♋32	25♈38	26°40	25°49	12°26	S 2
M 3	9 18 15	21° 5'43	13♋36	29°D 1	4°38	26°36	19° 2	3°10	17° 2	14°27	6°31	25°30	26°37	25°56	12°29	M 3
T 4	9 22 12	22° 6'05	28°23	29° 8	5°41	27° 3	18°56	3° 8	17° 3	14°30	6°31	25°21	26°34	26° 2	12°33	T 4
W 5	9 26 8	23° 6'26	13♌ 8	29°20	6°45	27°29	18°50	3° 5	17° 4	14°32	6°30	25°11	26°30	26° 9	12°37	W 5
T 6	9 30 5	24° 6'45	27°41	29°39	7°50	27°56	18°43	3° 2	17° 5	14°34	6°29	25° 1	26°27	26°16	12°40	T 6
F 7	9 34 1	25° 7'02	11♍56	0♒ 3	8°54	28°23	18°37	2°59	17° 6	14°36	6°28	24°53	26°24	26°23	12°44	F 7
S 8	9 37 58	26° 7'17	25°47	0°32	9°59	28°51	18°30	2°55	17° 7	14°39	6°27	24°47	26°21	26°29	12°47	S 8
S 9	9 41 54	27° 7'31	9♎12	1° 6	11° 4	29°18	18°23	2°52	17° 8	14°41	6°27	24°43	26°18	26°36	12°51	S 9
M10	9 45 51	28° 7'43	22°12	1°44	12°10	29°46	18°17	2°49	17°10	14°43	6°26	24°D42	26°14	26°43	12°55	M10
T 11	9 49 47	29° 7'53	4♏48	2°27	13°15	0♊14	18°10	2°45	17°11	14°45	6°25	24°42	26°11	26°49	12°58	T 11
W12	9 53 44	0♓ 8'02	17° 6	3°13	14°21	0°42	18° 3	2°42	17°12	14°47	6°24	24°43	26° 8	26°56	13° 2	W12
T 13	9 57 41	1° 8'10	29° 9	4° 3	15°27	1°10	17°55	2°38	17°13	14°50	6°24	24°R44	26° 5	27° 3	13° 6	T 13
F 14	10 1 37	2° 8'16	11♐ 3	4°56	16°33	1°38	17°48	2°35	17°15	14°52	6°23	24°44	26° 2	27° 9	13° 9	F 14
S 15	10 5 34	3° 8'20	22°54	5°52	17°39	2° 7	17°41	2°31	17°16	14°54	6°23	24°41	25°59	27°16	13°13	S 15
S 16	10 9 30	4° 8'22	4♑45	6°51	18°46	2°36	17°34	2°27	17°18	14°56	6°22	24°37	25°55	27°23	13°17	S 16
M17	10 13 27	5° 8'23	16°42	7°52	19°53	3° 5	17°26	2°24	17°19	14°58	6°21	24°30	25°52	27°30	13°20	M17
T 18	10 17 23	6° 8'22	28°47	8°56	20°59	3°34	17°19	2°20	17°21	15° 1	6°21	24°22	25°49	27°36	13°24	T 18
W19	10 21 20	7° 8'19	11♒ 4	10° 2	22° 6	4° 3	17°11	2°16	17°22	15° 3	6°20	24°13	25°46	27°43	13°28	W19
T 20	10 25 16	8° 8'15	23°34	11°11	23°14	4°32	17° 4	2°12	17°24	15° 5	6°20	24° 4	25°43	27°50	13°32	T 20
F 21	10 29 13	9° 8'08	6♓18	12°22	24°21	5° 2	16°56	2° 8	17°26	15° 7	6°19	23°56	25°40	27°56	13°35	F 21
S 22	10 33 10	10° 8'00	19°15	13°34	25°28	5°32	16°48	2° 4	17°28	15° 9	6°19	23°50	25°36	28° 3	13°39	S 22
S 23	10 37 6	11° 7'49	2♈25	14°49	26°36	6° 2	16°41	1°59	17°29	15°11	6°18	23°46	25°33	28°10	13°43	S 23
M24	10 41 3	12° 7'36	15°47	16° 5	27°44	6°32	16°33	1°55	17°31	15°13	6°18	23°44	25°30	28°17	13°46	M24
T 25	10 44 59	13° 7'21	29°19	17°23	28°52	7° 2	16°25	1°51	17°33	15°15	6°17	23°D44	25°27	28°23	13°50	T 25
W26	10 48 56	14° 7'04	13♉ 2	18°43	29°59	7°32	16°17	1°47	17°35	15°17	6°17	23°45	25°24	28°30	13°54	W26
T 27	10 52 52	15° 6'45	26°54	20° 5	1♒ 8	8° 2	16°10	1°42	17°37	15°19	6°17	23°46	25°20	28°37	13°58	T 27
F 28	10 56 49	16♓ 6'23	10♊55	21♒28	2♒16	8♊33	16♍ 2	1♎38	17♉39	15♒22	6♋16	23°R47	25♈17	28♐43	14♓ 1	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s10	26n24	3n48	17s51	2n38	20s35	2n57	21n12	1n58	5n41	1n32	1n 5	2n36	16n44	0s16	16s56	0s21	22n48	0s35	9n59	10n21	27s53	2s50	4n27
S 2	14 51	28 3	4 31	18 5	2 25	20 38	2 52	21 18	1 58	5 44	1 32	1 6	2 36	16 45	0 16	16 55	0 21	22 48	0 35	9 57	10 20	27 54	2 49	4 27
M 3	14 32	27 46	4 57	18 17	2 13	20 40	2 48	21 24	1 58	5 46	1 32	1 7	2 36	16 45	0 16	16 54	0 21	22 48	0 35	9 54	10 19	27 55	2 48	4 27
T 4	14 12	25 31	5 3	18 28	2 0	20 42	2 43	21 30	1 58	5 49	1 32	1 9	2 37	16 45	0 16	16 54	0 21	22 48	0 35	9 51	10 17	27 55	2 46	4 27
W 5	13 53	21 33	4 48	18 38	1 47	20 44	2 39	21 36	1 58	5 51	1 33	1 10	2 37	16 46	0 16	16 53	0 21	22 48	0 35	9 47	10 16	27 56	2 45	4 26
T 6	13 33	16 20	4 16	18 46	1 35	20 45	2 34	21 42	1 58	5 54	1 33	1 11	2 37	16 46	0 16	16 52	0 21	22 48	0 35	9 44	10 15	27 57	2 44	4 26
F 7	13 12	10 19	3 28	18 54	1 22	20 46	2 30	21 48	1 57	5 57	1 33	1 13	2 37	16 46	0 16	16 52	0 21	22 48	0 35	9 41	10 14	27 57	2 43	4 26
S 8	12 52	3 57	2 28	19 0	1 9	20 46	2 25	21 54	1 57	6 0	1 33	1 14	2 37	16 46	0 16	16 51	0 21	22 48	0 35	9 38	10 13	27 58	2 41	4 26
S 9	12 31	2s24	1 22	19 4	0 57	20 45	2 20	22 0	1 57	6 2	1 33	1 16	2 38	16 47	0 16	16 51	0 21	22 49	0 35	9 37	10 12	27 58	2 40	4 26
M10	12 11	8 28	0 13	19 8	0 45	20 44	2 16	22 6	1 57	6 5	1 33	1 17	2 38	16 47	0 16	16 50	0 21	22 49	0 35	9 37	10 10	27 59	2 39	4 26
T 11	11 50	14 2	0s54	19 10	0 33	20 43	2 11	22 11	1 57	6 8	1 34	1 19	2 38	16 48	0 16	16 49	0 21	22 49	0 35	9 37	10 9	28 0	2 38	4 26
W12	11 29	18 53	1 57	19 10	0 22	20 41	2 6	22 17	1 56	6 11	1 34	1 20	2 38	16 48	0 15	16 49	0 21	22 49	0 35	9 37	10 8	28 0	2 36	4 26
T 13	11 7	22 53	2 54	19 9	0 11	20 38	2 1	22 23	1 56	6 14	1 34	1 22	2 38	16 48	0 15	16 48	0 21	22 49	0 35	9 37	10 7	28 1	2 35	4 26
F 14	10 46	25 52	3 42	19 7	0 0	20 35	1 57	22 28	1 56	6 17	1 34	1 24	2 39	16 49	0 15	16 47	0 21	22 49	0 34	9 37	10 6	28 1	2 34	4 25
S 15	10 24	27 42	4 21	19 3	0s10	20 32	1 52	22 34	1 56	6 20	1 34	1 25	2 39	16 49	0 15	16 47	0 21	22 49	0 34	9 36	10 5	28 2	2 32	4 25
S 16	10 2	28 16	4 49	18 58	0 20	20 27	1 47	22 40	1 56	6 23	1 34	1 27	2 39	16 50	0 15	16 46	0 21	22 49	0 34	9 35	10 4	28 3	2 31	4 25
M17	9 40	27 31	5 4	18 52	0 30	20 23	1 43	22 45	1 55	6 26	1 34	1 29	2 39	16 50	0 15	16 45	0 21	22 49	0 34	9 32	10 2	28 3	2 30	4 25
T 18	9 18	25 29	5 6	18 44	0 39	20 17	1 38	22 51	1 55	6 29	1 34	1 30	2 39	16 51	0 15	16 45	0 21	22 50	0 34	9 29	10 1	28 4	2 28	4 25
W19	8 56	22 14	4 54	18 35	0 48	20 12	1 33	22 56	1 55	6 32	1 35	1 32	2 39	16 51	0 15	16 44	0 21	22 50	0 34	9 26	10 0	28 4	2 27	4 25
T 20	8 33	17 55	4 28	18 24	0 57	20 5	1 28	23 1	1 55	6 35	1 35	1 34	2 40	16 51	0 15	16 44	0 21	22 50	0 34	9 23	9 59	28 5	2 26	4 25
F 21	8 11	12 46	3 48	18 12	1 5	19 58	1 24	23 6	1 54	6 38	1 35	1 36	2 40	16 52	0 15	16 43	0 21	22 50	0 34	9 20	9 58	28 5	2 24	4 25
S 22	7 48	6 57	2 55	17 59	1 12	19 51	1 19	23 12	1 54	6 41	1 35	1 37	2 40	16 52	0 15	16 42	0 21	22 50	0 34	9 17	9 57	28 6	2 23	4 25
S 23	7 25	0 45	1 53	17 44	1 20	19 43	1 14	23 17	1 54	6 44	1 35	1 39	2 40	16 53	0 15	16 42	0 21	22 50	0 34	9 16	9 55	28 6	2 22	4 25
M24	7 3	5n35	0 43	17 28	1 27	19 34	1 10	23 22	1 54	6 47	1 35	1 41	2 40	16 54	0 15	16 41	0 21	22 50	0 34	9 15	9 54	28 7	2 20	4 25
T 25	6 40	11 45	0n30	17 10	1 33	19 25	1 5	23 27	1 53	6 51	1 35	1 43	2 40	16 54	0 15	16 41	0 22	22 50	0 34	9 15	9 53	28 7	2 19	4 25
W26	6 17	17 27	1 43	16 51	1 39	19 15	1 1	23 31	1 53	6 54	1 35	1 45	2 41	16 55	0 15	16 40	0 22	22 50	0 34	9 15	9 52	28 8	2 17	4 25
T 27	5 53	22 19	2 50	16 31	1 45	19 5	0 56	23 36	1 53	6 57	1 35	1 46	2 41	16 55	0 15	16 39	0 22	22 50	0 33	9 16	9 51	28 8	2 16	4 25
F 28	5s30	25n57	3n48	16s 9	1s50	18s54	0n52	23n41	1n53	7n 0	1n35	1n48	2n41	16n56	0s15	16s39	0s22	22n51	0s33	9n16	9n50	28s 9	2s15	4n25

Julian Day Number = 2154275.5, Delta T = 13m52s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'30, Lahiri = 12°30'30 Julian Calendar 1 Feb. 1186 == Greg. Calendar 8 Feb. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

MARCH 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 0 45	17♓ 5'59	25♊ 5	22♒52	3♒24	9♊ 4	15°R54	1°R34	17♉41	15♒24	6°R16	23°R47	25♈14	28♐50	14♓ 5	S 1
S 2	11 4 42	18° 5'33	9♋21	24°18	4°33	9°34	15♍46	1♎29	17°43	15°26	6♋16	23♈45	25°11	28°57	14° 9	S 2
M 3	11 8 38	19° 5'04	23°40	25°46	5°41	10° 5	15°38	1°25	17°45	15°28	6°16	23°42	25° 8	29° 3	14°13	M 3
T 4	11 12 35	20° 4'33	8♌ 0	27°15	6°50	10°36	15°31	1°20	17°48	15°29	6°15	23°37	25° 5	29°10	14°16	T 4
W 5	11 16 32	21° 3'59	22°15	28°45	7°59	11° 7	15°23	1°16	17°50	15°31	6°15	23°32	25° 1	29°17	14°20	W 5
T 6	11 20 28	22° 3'23	6♍21	0♓17	9° 7	11°39	15°15	1°11	17°52	15°33	6°15	23°28	24°58	29°24	14°24	T 6
F 7	11 24 25	23° 2'46	20°13	1°50	10°16	12°10	15° 8	1° 7	17°54	15°35	6°15	23°23	24°55	29°30	14°27	F 7
S 8	11 28 21	24° 2'05	3♎48	3°24	11°26	12°41	15° 0	1° 2	17°57	15°37	6°15	23°21	24°52	29°37	14°31	S 8
S 9	11 32 18	25° 1'23	17° 3	5° 0	12°35	13°13	14°52	0°57	17°59	15°39	6°14	23°D19	24°49	29°44	14°35	S 9
M10	11 36 14	26° 0'39	29°57	6°37	13°44	13°45	14°45	0°53	18° 2	15°41	6°14	23°19	24°46	29°50	14°38	M10
T 11	11 40 11	26°59'53	12♏33	8°16	14°53	14°16	14°37	0°48	18° 4	15°43	6°14	23°20	24°42	29°57	14°42	T 11
W12	11 44 7	27°59'06	24°52	9°56	16° 3	14°48	14°30	0°44	18° 6	15°45	6°14	23°22	24°39	0♑ 4	14°46	W12
T 13	11 48 4	28°58'16	6♐57	11°38	17°12	15°20	14°23	0°39	18° 9	15°46	6°D14	23°24	24°36	0°11	14°49	T 13
F 14	11 52 1	29°57'25	18°54	13°20	18°22	15°52	14°15	0°34	18°12	15°48	6°14	23°25	24°33	0°17	14°53	F 14
S 15	11 55 57	0♈56'31	0♑47	15° 5	19°32	16°24	14° 8	0°30	18°14	15°50	6°14	23°R25	24°30	0°24	14°57	S 15
S 16	11 59 54	1°55'36	12°40	16°50	20°41	16°57	14° 1	0°25	18°17	15°52	6°14	23°25	24°26	0°31	15° 0	S 16
M17	12 3 50	2°54'39	24°38	18°37	21°51	17°29	13°54	0°20	18°19	15°53	6°14	23°23	24°23	0°37	15° 4	M17
T 18	12 7 47	3°53'41	6♒46	20°26	23° 1	18° 1	13°47	0°16	18°22	15°55	6°14	23°21	24°20	0°44	15° 7	T 18
W19	12 11 43	4°52'40	19° 8	22°16	24°11	18°34	13°40	0°11	18°25	15°57	6°15	23°19	24°17	0°51	15°11	W19
T 20	12 15 40	5°51'38	1♓45	24° 7	25°21	19° 6	13°33	0° 6	18°28	15°58	6°15	23°16	24°14	0°58	15°15	T 20
F 21	12 19 36	6°50'33	14°41	26° 0	26°31	19°39	13°27	0° 2	18°30	16° 0	6°15	23°13	24°11	1° 4	15°18	F 21
S 22	12 23 33	7°49'27	27°55	27°55	27°41	20°12	13°20	29♍57	18°33	16° 1	6°15	23°12	24° 7	1°11	15°22	S 22
S 23	12 27 30	8°48'18	11♈26	29°51	28°52	20°44	13°14	29°53	18°36	16° 3	6°15	23°11	24° 4	1°18	15°25	S 23
M24	12 31 26	9°47'08	25°13	1♈48	0♓ 2	21°17	13° 7	29°48	18°39	16° 5	6°16	23°D10	24° 1	1°24	15°29	M24
T 25	12 35 23	10°45'56	9♉12	3°47	1°12	21°50	13° 1	29°44	18°42	16° 6	6°16	23°11	23°58	1°31	15°32	T 25
W26	12 39 19	11°44'41	23°21	5°47	2°23	22°23	12°55	29°39	18°45	16° 8	6°16	23°11	23°55	1°38	15°35	W26
T 27	12 43 16	12°43'24	7♊36	7°48	3°33	22°56	12°49	29°35	18°48	16° 9	6°16	23°12	23°51	1°45	15°39	T 27
F 28	12 47 12	13°42'05	21°52	9°51	4°44	23°30	12°43	29°30	18°51	16°10	6°17	23°13	23°48	1°51	15°42	F 28
S 29	12 51 9	14°40'44	6♋ 8	11°55	5°54	24° 3	12°37	29°26	18°54	16°12	6°17	23°14	23°45	1°58	15°46	S 29
S 30	12 55 5	15°39'21	20°21	14° 0	7° 5	24°36	12°32	29°21	18°57	16°13	6°18	23°R14	23°42	2° 5	15°49	S 30
M31	12 59 2	16♈37'55	4♌27	16♈ 6	8♓16	25♊10	12♍26	29♍17	19♉ 0	16♒15	6♋18	23♈13	23♈39	2♑11	15♓52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 7	28n 0	4n33	15s46	1s55	18s43	0n47	23n45	1n52	7n 3	1n35	1n50	2n41	16n56	0s15	16s38	0s22	22n51	0s33	9n16	9n48	28s 9	2s13	4n24
S 2	4 44	28 14	5 1	15 21	1 59	18 31	0 43	23 50	1 52	7 6	1 35	1 52	2 41	16 57	0 15	16 38	0 22	22 51	0 33	9 16	9 47	28 10	2 12	4 24
M 3	4 20	26 34	5 11	14 55	2 3	18 19	0 38	23 54	1 52	7 9	1 35	1 54	2 41	16 58	0 15	16 37	0 22	22 51	0 33	9 14	9 46	28 10	2 11	4 24
T 4	3 57	23 12	5 1	14 28	2 7	18 6	0 34	23 59	1 52	7 12	1 35	1 56	2 41	16 58	0 15	16 36	0 22	22 51	0 33	9 13	9 45	28 11	2 9	4 24
W 5	3 33	18 27	4 33	14 0	2 10	17 53	0 29	24 3	1 51	7 15	1 35	1 58	2 41	16 59	0 15	16 36	0 22	22 51	0 33	9 11	9 44	28 11	2 8	4 24
T 6	3 10	12 45	3 49	13 30	2 13	17 39	0 25	24 7	1 51	7 18	1 35	1 59	2 41	17 0	0 15	16 35	0 22	22 51	0 33	9 9	9 43	28 11	2 6	4 24
F 7	2 46	6 31	2 51	12 58	2 15	17 25	0 21	24 11	1 51	7 21	1 35	2 1	2 41	17 0	0 15	16 35	0 22	22 51	0 33	9 8	9 41	28 12	2 5	4 24
S 8	2 23	0 5	1 45	12 26	2 17	17 10	0 17	24 15	1 50	7 24	1 35	2 3	2 41	17 1	0 15	16 34	0 22	22 51	0 33	9 6	9 40	28 12	2 4	4 24
S 9	1 59	6s12	0 34	11 52	2 18	16 54	0 13	24 19	1 50	7 27	1 35	2 5	2 42	17 2	0 15	16 34	0 22	22 51	0 33	9 6	9 39	28 13	2 2	4 24
M10	1 36	12 4	0s36	11 16	2 19	16 39	0 8	24 22	1 50	7 30	1 35	2 7	2 42	17 2	0 15	16 33	0 22	22 51	0 33	9 6	9 38	28 13	2 1	4 24
T 11	1 12	17 19	1 44	10 39	2 19	16 22	0 4	24 26	1 50	7 33	1 35	2 9	2 42	17 3	0 15	16 33	0 22	22 51	0 33	9 6	9 37	28 13	1 59	4 24
W12	0 48	21 44	2 45	10 1	2 19	16 6	0 0	24 29	1 49	7 36	1 35	2 11	2 42	17 4	0 15	16 32	0 22	22 52	0 32	9 7	9 36	28 14	1 58	4 24
T 13	0 25	25 8	3 37	9 22	2 19	15 48	0s 4	24 32	1 49	7 38	1 35	2 13	2 42	17 4	0 15	16 32	0 22	22 52	0 32	9 8	9 34	28 14	1 56	4 24
F 14	0 1	27 23	4 19	8 42	2 18	15 31	0 7	24 36	1 49	7 41	1 35	2 15	2 42	17 5	0 15	16 31	0 22	22 52	0 32	9 8	9 33	28 14	1 55	4 24
S 15	0n23	28 23	4 51	8 0	2 16	15 13	0 11	24 39	1 48	7 44	1 35	2 16	2 42	17 6	0 15	16 31	0 22	22 52	0 32	9 8	9 32	28 15	1 54	4 24
S 16	0 46	28 4	5 9	7 16	2 14	14 54	0 15	24 42	1 48	7 47	1 35	2 18	2 42	17 7	0 15	16 30	0 22	22 52	0 32	9 8	9 31	28 15	1 52	4 24
M17	1 10	26 27	5 15	6 32	2 11	14 35	0 19	24 45	1 48	7 49	1 35	2 20	2 42	17 7	0 15	16 30	0 22	22 52	0 32	9 8	9 30	28 15	1 51	4 24
T 18	1 33	23 36	5 6	5 46	2 8	14 16	0 22	24 47	1 47	7 52	1 35	2 22	2 42	17 8	0 15	16 29	0 22	22 52	0 32	9 7	9 29	28 16	1 49	4 24
W19	1 57	19 38	4 43	4 59	2 5	13 56	0 26	24 50	1 47	7 54	1 35	2 24	2 42	17 9	0 15	16 29	0 22	22 52	0 32	9 6	9 27	28 16	1 48	4 24
T 20	2 20	14 44	4 7	4 11	2 1	13 35	0 30	24 52	1 47	7 57	1 35	2 26	2 42	17 10	0 15	16 28	0 22	22 52	0 32	9 5	9 26	28 16	1 47	4 24
F 21	2 44	9 5	3 17	3 22	1 56	13 15	0 33	24 55	1 47	8 0	1 35	2 28	2 42	17 11	0 15	16 28	0 22	22 52	0 32	9 4	9 25	28 17	1 45	4 24
S 22	3 7	2 54	2 15	2 32	1 51	12 54	0 36	24 57	1 46	8 2	1 35	2 29	2 42	17 11	0 15	16 27	0 22	22 52	0 32	9 3	9 24	28 17	1 44	4 25
S 23	3 30	3n33	1 4	1 40	1 45	12 32	0 40	24 59	1 46	8 4	1 34	2 31	2 42	17 12	0 15	16 27	0 22	22 52	0 32	9 3	9 23	28 17	1 42	4 25
M24	3 54	9 58	0n11	0 48	1 39	12 11	0 43	25 1	1 46	8 7	1 34	2 33	2 42	17 13	0 15	16 26	0 22	22 52	0 32	9 3	9 21	28 17	1 41	4 25
T 25	4 17	16 1	1 28	0n 6	1 33	11 49	0 46	25 3	1 45	8 9	1 34	2 35	2 42	17 14	0 15	16 26	0 22	22 52	0 32	9 3	9 20	28 18	1 40	4 25
W26	4 40	21 16	2 39	1 0	1 25	11 26	0 49	25 4	1 45	8 11	1 34	2 37	2 42	17 15	0 15	16 26	0 22	22 52	0 31	9 3	9 19	28 18	1 38	4 25
T 27	5 3	25 19	3 42	1 55	1 18	11 4	0 52	25 6	1 45	8 13	1 34	2 38	2 42	17 15	0 15	16 25	0 22	22 53	0 31	9 3	9 18	28 18	1 37	4 25
F 28	5 26	27 48	4 31	2 51	1 10	10 40	0 55	25 7	1 44	8 16	1 34	2 40	2 42	17 16	0 15	16 25	0 22	22 53	0 31	9 4	9 17	28 18	1 36	4 25
S 29	5 49	28 27	5 3	3 48	1 1	10 17	0 58	25 9	1 44	8 18	1 34	2 42	2 42	17 17	0 15	16 24	0 22	22 53	0 31	9 4	9 16	28 19	1 34	4 25
S 30	6 11	27 12	5 16	4 45	0 52	9 53	1 1	25 10	1 44	8 20	1 34	2 44	2 42	17 18	0 15	16 24	0 22	22 53	0 31	9 4	9 14	28 19	1 33	4 25
M31	6n34	24n15	5n11	5n42	0s43	9s29	1s 3	25n11	1n43	8n22	1n33	2n45	2n42	17n19	0s15	16s24	0s22	22n53	0s31	9n 4	9n13	28s19	1s32	4n25

Julian Day Number = 2154303.5, Delta T = 13m51s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'34, Lahiri = 12°30'34 Julian Calendar 1 March 1186 == Greg. Calendar 8 March 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

APRIL 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 59	17♈36'27	18♌26	18♈12	9♓26	25♊43	12°R21	29°R13	19♉ 3	16♒16	6♋18	23°R13	23♈36	2♑18	15♓56	T 1
W 2	13 6 55	18°34'56	2♍15	20°20	10°37	26°17	12♍16	29♍ 9	19° 6	16°17	6°19	23♈12	23°32	2°25	15°59	W 2
T 3	13 10 52	19°33'24	15°52	22°28	11°48	26°50	12°11	29° 4	19° 9	16°18	6°19	23°12	23°29	2°32	16° 2	T 3
F 4	13 14 48	20°31'49	29°17	24°36	12°59	27°24	12° 6	29° 0	19°13	16°20	6°20	23°12	23°26	2°38	16° 5	F 4
S 5	13 18 45	21°30'12	12♎28	26°43	14°10	27°57	12° 1	28°56	19°16	16°21	6°20	23°11	23°23	2°45	16° 9	S 5
S 6	13 22 41	22°28'33	25°24	28°51	15°20	28°31	11°57	28°52	19°19	16°22	6°21	23°D11	23°20	2°52	16°12	S 6
M 7	13 26 38	23°26'53	8♏ 5	0♉58	16°31	29° 5	11°53	28°48	19°22	16°23	6°22	23°R11	23°17	2°58	16°15	M 7
T 8	13 30 34	24°25'11	20°32	3° 4	17°42	29°39	11°48	28°44	19°25	16°24	6°22	23°11	23°13	3° 5	16°18	T 8
W 9	13 34 31	25°23'27	2♐47	5° 9	18°54	0♋13	11°44	28°40	19°29	16°25	6°23	23°11	23°10	3°12	16°21	W 9
T 10	13 38 28	26°21'41	14°51	7°12	20° 5	0°47	11°40	28°36	19°32	16°27	6°23	23°11	23° 7	3°19	16°24	T 10
F 11	13 42 24	27°19'54	26°48	9°13	21°16	1°21	11°37	28°33	19°35	16°28	6°24	23°10	23° 4	3°25	16°27	F 11
S 12	13 46 21	28°18'06	8♑41	11°13	22°27	1°55	11°33	28°29	19°39	16°29	6°25	23°10	23° 1	3°32	16°30	S 12
S 13	13 50 17	29°16'15	20°35	13°10	23°38	2°29	11°30	28°25	19°42	16°30	6°25	23° 9	22°57	3°39	16°33	S 13
M14	13 54 14	0♉14'24	2♒33	15° 4	24°49	3° 3	11°27	28°22	19°45	16°31	6°26	23°D 9	22°54	3°45	16°36	M14
T 15	13 58 10	1°12'30	14°40	16°55	26° 1	3°37	11°24	28°18	19°49	16°31	6°27	23°10	22°51	3°52	16°39	T 15
W16	14 2 7	2°10'36	27° 2	18°43	27°12	4°12	11°21	28°15	19°52	16°32	6°28	23°10	22°48	3°59	16°42	W16
T 17	14 6 3	3° 8'40	9♓41	20°28	28°23	4°46	11°18	28°11	19°55	16°33	6°29	23°11	22°45	4° 6	16°45	T 17
F 18	14 10 0	4° 6'42	22°41	22°10	29°35	5°20	11°16	28° 8	19°59	16°34	6°29	23°12	22°42	4°12	16°47	F 18
S 19	14 13 56	5° 4'43	6♈ 3	23°48	0♈46	5°55	11°13	28° 5	20° 2	16°35	6°30	23°13	22°38	4°19	16°50	S 19
S 20	14 17 53	6° 2'42	19°49	25°23	1°58	6°29	11°11	28° 1	20° 6	16°36	6°31	23°R13	22°35	4°26	16°53	S 20
M21	14 21 50	7° 0'40	3♉56	26°54	3° 9	7° 4	11° 9	27°58	20° 9	16°36	6°32	23°13	22°32	4°32	16°55	M21
T 22	14 25 46	7°58'36	18°21	28°21	4°21	7°39	11° 7	27°55	20°12	16°37	6°33	23°12	22°29	4°39	16°58	T 22
W23	14 29 43	8°56'31	2♊57	29°44	5°32	8°13	11° 6	27°52	20°16	16°38	6°34	23°11	22°26	4°46	17° 1	W23
T 24	14 33 39	9°54'24	17°39	1♊ 4	6°44	8°48	11° 4	27°50	20°19	16°38	6°35	23° 9	22°23	4°53	17° 3	T 24
F 25	14 37 36	10°52'16	2♋20	2°19	7°55	9°23	11° 3	27°47	20°23	16°39	6°36	23° 7	22°19	4°59	17° 6	F 25
S 26	14 41 32	11°50'06	16°52	3°31	9° 7	9°57	11° 2	27°44	20°26	16°39	6°37	23° 5	22°16	5° 6	17° 8	S 26
S 27	14 45 29	12°47'54	1♌13	4°38	10°19	10°32	11° 1	27°41	20°30	16°40	6°38	23° 3	22°13	5°13	17°11	S 27
M28	14 49 26	13°45'40	15°18	5°42	11°30	11° 7	11° 0	27°39	20°33	16°41	6°39	23°D 3	22°10	5°19	17°13	M28
T 29	14 53 22	14°43'24	29° 7	6°41	12°42	11°42	11° 0	27°37	20°37	16°41	6°40	23° 4	22° 7	5°26	17°15	T 29
W30	14 57 19	15♉41'07	12♍39	7♊36	13♈54	12♋17	11♍ 0	27♍34	20♉40	16♒41	6♋41	23♈ 5	22♈ 3	5♑33	17♓18	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n56	19n54	4n47	6n40	0s33	9s 5	1s 6	25n12	1n43	8n24	1n33	2n47	2n41	17n20	0s15	16s23	0s22	22n53	0s31	9n 4	9n12	28s19	1s30	4n25
W 2	7 19	14 33	4 6	7 38	0 23	8 41	1 9	25 12	1 43	8 25	1 33	2 49	2 41	17 21	0 15	16 23	0 22	22 53	0 31	9 3	9 11	28 20	1 29	4 25
T 3	7 41	8 33	3 12	8 35	0 12	8 16	1 11	25 13	1 42	8 27	1 33	2 50	2 41	17 21	0 15	16 22	0 22	22 53	0 31	9 3	9 10	28 20	1 28	4 25
F 4	8 3	2 15	2 9	9 33	0 2	7 51	1 14	25 13	1 42	8 29	1 33	2 52	2 41	17 22	0 15	16 22	0 22	22 53	0 31	9 3	9 9	28 20	1 26	4 25
S 5	8 25	4s 2	0 59	10 29	0n 9	7 26	1 16	25 14	1 42	8 31	1 33	2 53	2 41	17 23	0 15	16 22	0 22	22 53	0 31	9 3	9 7	28 20	1 25	4 25
S 6	8 47	10 3	0s12	11 25	0 20	7 0	1 18	25 14	1 41	8 32	1 32	2 55	2 41	17 24	0 15	16 21	0 22	22 53	0 31	9 3	9 6	28 20	1 24	4 26
M 7	9 9	15 33	1 22	12 21	0 31	6 34	1 20	25 14	1 41	8 34	1 32	2 56	2 41	17 25	0 14	16 21	0 22	22 53	0 31	9 3	9 5	28 20	1 22	4 26
T 8	9 30	20 18	2 26	13 14	0 42	6 8	1 22	25 14	1 41	8 35	1 32	2 58	2 41	17 26	0 14	16 21	0 22	22 53	0 30	9 3	9 4	28 21	1 21	4 26
W 9	9 52	24 7	3 22	14 7	0 52	5 42	1 24	25 13	1 40	8 36	1 32	2 59	2 41	17 27	0 14	16 20	0 22	22 53	0 30	9 3	9 3	28 21	1 20	4 26
T 10	10 13	26 48	4 9	14 58	1 3	5 16	1 26	25 13	1 40	8 38	1 32	3 1	2 41	17 28	0 14	16 20	0 22	22 53	0 30	9 3	9 1	28 21	1 18	4 26
F 11	10 34	28 14	4 44	15 47	1 13	4 50	1 28	25 12	1 40	8 39	1 32	3 2	2 41	17 29	0 14	16 20	0 22	22 53	0 30	9 3	9 0	28 21	1 17	4 26
S 12	10 55	28 22	5 7	16 34	1 23	4 23	1 30	25 11	1 39	8 40	1 31	3 4	2 40	17 30	0 14	16 20	0 22	22 53	0 30	9 2	8 59	28 21	1 16	4 26
S 13	11 16	27 10	5 16	17 19	1 32	3 56	1 31	25 10	1 39	8 41	1 31	3 5	2 40	17 30	0 14	16 19	0 22	22 53	0 30	9 2	8 58	28 21	1 15	4 26
M14	11 36	24 45	5 12	18 2	1 41	3 29	1 33	25 9	1 39	8 42	1 31	3 6	2 40	17 31	0 14	16 19	0 22	22 53	0 30	9 2	8 57	28 21	1 13	4 26
T 15	11 57	21 12	4 55	18 42	1 49	3 2	1 34	25 8	1 38	8 43	1 31	3 7	2 40	17 32	0 14	16 19	0 23	22 53	0 30	9 2	8 56	28 21	1 12	4 26
W16	12 17	16 40	4 23	19 20	1 57	2 35	1 36	25 7	1 38	8 44	1 31	3 9	2 40	17 33	0 14	16 18	0 23	22 53	0 30	9 3	8 54	28 21	1 11	4 27
T 17	12 37	11 20	3 38	19 56	2 4	2 8	1 37	25 5	1 38	8 45	1 30	3 10	2 40	17 34	0 14	16 18	0 23	22 53	0 30	9 3	8 53	28 21	1 10	4 27
F 18	12 57	5 23	2 41	20 29	2 10	1 40	1 38	25 4	1 37	8 46	1 30	3 11	2 40	17 35	0 14	16 18	0 23	22 54	0 30	9 3	8 52	28 22	1 9	4 27
S 19	13 16	0n59	1 34	21 0	2 15	1 13	1 39	25 2	1 37	8 47	1 30	3 12	2 39	17 36	0 14	16 18	0 23	22 54	0 30	9 4	8 51	28 22	1 7	4 27
S 20	13 36	7 30	0 19	21 28	2 20	0 45	1 41	25 0	1 37	8 47	1 30	3 13	2 39	17 37	0 14	16 18	0 23	22 54	0 30	9 4	8 50	28 22	1 6	4 27
M21	13 55	13 49	0n59	21 53	2 24	0 17	1 41	24 58	1 36	8 48	1 30	3 15	2 39	17 38	0 14	16 17	0 23	22 54	0 30	9 4	8 48	28 22	1 5	4 27
T 22	14 14	19 31	2 14	22 16	2 27	0n10	1 42	24 55	1 36	8 48	1 29	3 16	2 39	17 39	0 14	16 17	0 23	22 54	0 29	9 3	8 47	28 22	1 4	4 27
W23	14 33	24 9	3 22	22 37	2 29	0 38	1 43	24 53	1 36	8 49	1 29	3 17	2 39	17 40	0 14	16 17	0 23	22 54	0 29	9 3	8 46	28 22	1 3	4 27
T 24	14 51	27 14	4 17	22 55	2 31	1 6	1 44	24 50	1 35	8 49	1 29	3 18	2 39	17 41	0 14	16 17	0 23	22 54	0 29	9 2	8 45	28 22	1 2	4 28
F 25	15 9	28 26	4 55	23 11	2 31	1 33	1 45	24 47	1 35	8 49	1 29	3 19	2 39	17 42	0 14	16 17	0 23	22 54	0 29	9 1	8 44	28 22	1 1	4 28
S 26	15 27	27 39	5 13	23 25	2 31	2 1	1 45	24 45	1 34	8 49	1 28	3 19	2 38	17 43	0 14	16 17	0 23	22 54	0 29	9 1	8 42	28 22	0 59	4 28
S 27	15 45	25 3	5 12	23 36	2 29	2 29	1 46	24 41	1 34	8 50	1 28	3 20	2 38	17 43	0 14	16 16	0 23	22 54	0 29	9 0	8 41	28 22	0 58	4 28
M28	16 2	20 57	4 52	23 46	2 27	2 57	1 46	24 38	1 34	8 50	1 28	3 21	2 38	17 44	0 14	16 16	0 23	22 54	0 29	9 0	8 40	28 22	0 57	4 28
T 29	16 20	15 48	4 15	23 53	2 24	3 25	1 46	24 35	1 33	8 50	1 28	3 22	2 38	17 45	0 14	16 16	0 23	22 54	0 29	9 0	8 39	28 22	0 56	4 28
W30	16n37	9n59	3n25	23n58	2n19	3n52	1s46	24n31	1n33	8n49	1n28	3n23	2n38	17n46	0s14	16s16	0s23	22n54	0s29	9n 1	8n38	28s22	0s55	4n29

Julian Day Number = 2154334.5, Delta T = 13m51s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'38, Lahiri = 12°30'38 Julian Calendar 1 Apr. 1186 == Greg. Calendar 8 Apr. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

MAY 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 1 15	16♉38'48	25♍55	8♊27	15♈ 6	12♋52	11°D 0	27°R32	20♉44	16♒42	6♋42	23♈ 6	22♈ 0	5♑40	17♓20	T 1
F 2	15 5 12	17°36'27	8♎57	9°13	16°17	13°27	11♍ 0	27♍30	20°47	16°42	6°43	23° 8	21°57	5°46	17°22	F 2
S 3	15 9 8	18°34'05	21°45	9°55	17°29	14° 2	11° 0	27°28	20°51	16°43	6°44	23°R 8	21°54	5°53	17°24	S 3
S 4	15 13 5	19°31'41	4♏21	10°32	18°41	14°37	11° 0	27°26	20°54	16°43	6°45	23° 8	21°51	6° 0	17°27	S 4
M 5	15 17 1	20°29'16	16°46	11° 5	19°53	15°12	11° 1	27°24	20°58	16°43	6°46	23° 6	21°48	6° 6	17°29	M 5
T 6	15 20 58	21°26'50	29° 1	11°33	21° 5	15°47	11° 2	27°22	21° 1	16°43	6°47	23° 3	21°44	6°13	17°31	T 6
W 7	15 24 55	22°24'23	11♐ 8	11°56	22°17	16°23	11° 2	27°20	21° 5	16°44	6°48	22°58	21°41	6°20	17°33	W 7
T 8	15 28 51	23°21'55	23° 8	12°15	23°29	16°58	11° 4	27°19	21° 8	16°44	6°50	22°53	21°38	6°27	17°35	T 8
F 9	15 32 48	24°19'25	5♑ 2	12°29	24°40	17°33	11° 5	27°17	21°12	16°44	6°51	22°48	21°35	6°33	17°37	F 9
S 10	15 36 44	25°16'55	16°55	12°38	25°52	18° 9	11° 6	27°16	21°15	16°44	6°52	22°43	21°32	6°40	17°39	S 10
S 11	15 40 41	26°14'24	28°48	12°43	27° 4	18°44	11° 8	27°14	21°19	16°44	6°53	22°39	21°29	6°47	17°40	S 11
M12	15 44 37	27°11'52	10♒45	12°R43	28°16	19°19	11°10	27°13	21°22	16°44	6°55	22°36	21°25	6°54	17°42	M12
T 13	15 48 34	28° 9'19	22°51	12°38	29°29	19°55	11°12	27°12	21°26	16°R44	6°56	22°D35	21°22	7° 0	17°44	T 13
W14	15 52 30	29° 6'45	5♓ 9	12°30	0♉41	20°30	11°14	27°11	21°29	16°44	6°57	22°35	21°19	7° 7	17°46	W14
T 15	15 56 27	0♊ 4'11	17°45	12°17	1°53	21° 6	11°16	27°10	21°33	16°44	6°58	22°36	21°16	7°14	17°47	T 15
F 16	16 0 24	1° 1'35	0♈43	12° 0	3° 5	21°41	11°19	27° 9	21°36	16°44	7° 0	22°37	21°13	7°20	17°49	F 16
S 17	16 4 20	1°58'59	14° 6	11°39	4°17	22°17	11°22	27° 9	21°40	16°44	7° 1	22°38	21° 9	7°27	17°50	S 17
S 18	16 8 17	2°56'23	27°56	11°15	5°29	22°53	11°25	27° 8	21°43	16°44	7° 2	22°R38	21° 6	7°34	17°52	S 18
M19	16 12 13	3°53'46	12♉12	10°49	6°41	23°28	11°28	27° 7	21°47	16°44	7° 4	22°37	21° 3	7°41	17°53	M19
T 20	16 16 10	4°51'08	26°52	10°20	7°54	24° 4	11°31	27° 7	21°50	16°43	7° 5	22°34	21° 0	7°47	17°55	T 20
W21	16 20 6	5°48'29	11♊48	9°48	9° 6	24°40	11°34	27° 7	21°54	16°43	7° 6	22°29	20°57	7°54	17°56	W21
T 22	16 24 3	6°45'50	26°53	9°16	10°18	25°16	11°38	27° 6	21°57	16°43	7° 8	22°22	20°54	8° 1	17°57	T 22
F 23	16 27 59	7°43'10	11♋57	8°43	11°30	25°51	11°41	27° 6	22° 0	16°43	7° 9	22°16	20°50	8° 7	17°58	F 23
S 24	16 31 56	8°40'29	26°51	8° 9	12°43	26°27	11°45	27°D 6	22° 4	16°42	7°11	22°10	20°47	8°14	18° 0	S 24
S 25	16 35 53	9°37'47	11♌26	7°35	13°55	27° 3	11°49	27° 6	22° 7	16°42	7°12	22° 5	20°44	8°21	18° 1	S 25
M26	16 39 49	10°35'04	25°39	7° 3	15° 7	27°39	11°54	27° 6	22°11	16°41	7°13	22° 2	20°41	8°28	18° 2	M26
T 27	16 43 46	11°32'20	9♍29	6°32	16°20	28°15	11°58	27° 7	22°14	16°41	7°15	22°D 1	20°38	8°34	18° 3	T 27
W28	16 47 42	12°29'35	22°55	6° 2	17°32	28°51	12° 2	27° 7	22°17	16°41	7°16	22° 2	20°35	8°41	18° 4	W28
T 29	16 51 39	13°26'49	6♎ 0	5°36	18°45	29°27	12° 7	27° 8	22°21	16°40	7°18	22° 3	20°31	8°48	18° 5	T 29
F 30	16 55 35	14°24'02	18°46	5°12	19°57	0♌ 3	12°12	27° 8	22°24	16°40	7°19	22°R 3	20°28	8°54	18° 6	F 30
S 31	16 59 32	15♊21'15	1♏19	4♊51	21♉ 9	0♌39	12♍17	27♍ 9	22♉27	16♒39	7♋21	22♈ 3	20♈25	9♑ 1	18♓ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	16n53	3n50	2n24	24n 1	2n14	4n20	1s47	24n28	1n33	8n49	1n27	3n23	2n37	17n47	0s14	16s16	0s23	22n54	0s29	9n 1	8n37	28s22	0s54	4n29	
F 2	17 10	2s23	1 17	24 2	2 8	4 48	1 47	24 24	1 32	8 49	1 27	3 24	2 37	17 48	0 14	16 16	0 23	22 54	0 29	9 2	8 35	28 22	0 53	4 29	
S 3	17 26	8 24	0 8	24 2	2 1	5 15	1 47	24 20	1 32	8 49	1 27	3 25	2 37	17 49	0 14	16 16	0 23	22 54	0 29	9 2	8 34	28 21	0 52	4 29	
S 4	17 42	13 59	1s 1	23 59	1 53	5 43	1 47	24 16	1 32	8 48	1 27	3 25	2 37	17 50	0 14	16 16	0 23	22 54	0 29	9 2	8 33	28 21	0 51	4 29	
M 5	17 57	18 56	2 6	23 55	1 44	6 10	1 46	24 11	1 31	8 48	1 26	3 26	2 37	17 51	0 14	16 16	0 23	22 54	0 29	9 1	8 32	28 21	0 50	4 29	
T 6	18 12	23 1	3 4	23 49	1 34	6 37	1 46	24 7	1 31	8 47	1 26	3 27	2 36	17 52	0 14	16 16	0 23	22 54	0 28	9 0	8 31	28 21	0 49	4 30	
W 7	18 27	26 3	3 53	23 41	1 23	7 4	1 46	24 2	1 31	8 47	1 26	3 27	2 36	17 53	0 14	16 16	0 23	22 54	0 28	8 58	8 29	28 21	0 48	4 30	
T 8	18 42	27 52	4 31	23 32	1 11	7 31	1 45	23 57	1 30	8 46	1 26	3 27	2 36	17 54	0 14	16 16	0 23	22 54	0 28	8 56	8 28	28 21	0 47	4 30	
F 9	18 56	28 23	4 57	23 21	0 58	7 58	1 45	23 52	1 30	8 46	1 26	3 28	2 36	17 55	0 14	16 16	0 23	22 54	0 28	8 54	8 27	28 21	0 46	4 30	
S 10	19 10	27 35	5 10	23 9	0 45	8 25	1 44	23 47	1 29	8 45	1 25	3 28	2 36	17 56	0 14	16 16	0 23	22 54	0 28	8 52	8 26	28 21	0 46	4 30	
S 11	19 24	25 32	5 10	22 56	0 30	8 52	1 44	23 42	1 29	8 44	1 25	3 29	2 35	17 57	0 14	16 15	0 23	22 54	0 28	8 51	8 25	28 21	0 45	4 30	
M12	19 37	22 21	4 56	22 41	0 15	9 18	1 43	23 37	1 29	8 43	1 25	3 29	2 35	17 58	0 14	16 16	0 23	22 54	0 28	8 50	8 23	28 20	0 44	4 31	
T 13	19 50	18 12	4 29	22 25	0s 0	9 44	1 42	23 31	1 28	8 42	1 25	3 29	2 35	17 58	0 14	16 16	0 23	22 54	0 28	8 49	8 22	28 20	0 43	4 31	
W14	20 3	13 13	3 50	22 7	0 16	10 11	1 42	23 25	1 28	8 41	1 24	3 29	2 35	17 59	0 14	16 16	0 23	22 54	0 28	8 49	8 21	28 20	0 42	4 31	
T 15	20 15	7 35	2 58	21 49	0 33	10 36	1 41	23 20	1 28	8 40	1 24	3 29	2 34	18 0	0 14	16 16	0 23	22 54	0 28	8 50	8 20	28 20	0 41	4 31	
F 16	20 27	1 29	1 56	21 30	0 50	11 2	1 40	23 14	1 27	8 39	1 24	3 30	2 34	18 1	0 14	16 16	0 23	22 54	0 28	8 50	8 19	28 20	0 41	4 31	
S 17	20 39	4n53	0 46	21 10	1 7	11 27	1 39	23 7	1 27	8 37	1 24	3 30	2 34	18 2	0 14	16 16	0 23	22 54	0 28	8 51	8 17	28 20	0 40	4 32	
S 18	20 50	11 14	0n29	20 50	1 24	11 53	1 37	23 1	1 26	8 36	1 23	3 30	2 34	18 3	0 14	16 16	0 23	22 54	0 28	8 51	8 16	28 19	0 39	4 32	
M19	21 1	17 13	1 44	20 29	1 42	12 18	1 36	22 55	1 26	8 35	1 23	3 30	2 34	18 4	0 14	16 16	0 23	22 54	0 28	8 50	8 15	28 19	0 38	4 32	
T 20	21 12	22 22	2 54	20 8	1 59	12 42	1 35	22 48	1 26	8 33	1 23	3 30	2 33	18 5	0 14	16 16	0 23	22 54	0 28	8 49	8 14	28 19	0 38	4 32	
W21	21 22	26 10	3 54	19 48	2 15	13 7	1 34	22 41	1 25	8 32	1 23	3 30	2 33	18 6	0 14	16 16	0 23	22 54	0 27	8 47	8 13	28 19	0 37	4 32	
T 22	21 32	28 9	4 38	19 27	2 31	13 31	1 32	22 34	1 25	8 30	1 23	3 30	2 33	18 7	0 14	16 16	0 23	22 54	0 27	8 45	8 11	28 19	0 36	4 32	
F 23	21 42	28 2	5 3	19 7	2 47	13 55	1 31	22 27	1 25	8 29	1 22	3 29	2 33	18 7	0 14	16 16	0 23	22 54	0 27	8 42	8 10	28 18	0 36	4 33	
S 24	21 51	25 54	5 7	18 47	3 1	14 18	1 30	22 20	1 24	8 27	1 22	3 29	2 32	18 8	0 14	16 16	0 23	22 54	0 27	8 40	8 9	28 18	0 35	4 33	
S 25	22 0	22 5	4 51	18 28	3 15	14 41	1 28	22 13	1 24	8 25	1 22	3 29	2 32	18 9	0 14	16 17	0 23	22 54	0 27	8 38	8 8	28 18	0 34	4 33	
M26	22 8	17 3	4 17	18 11	3 27	15 4	1 26	22 5	1 23	8 23	1 22	3 29	2 32	18 10	0 14	16 17	0 23	22 54	0 27	8 37	8 7	28 18	0 34	4 33	
T 27	22 16	11 16	3 29	17 54	3 39	15 27	1 25	21 58	1 23	8 22	1 21	3 28	2 32	18 11	0 14	16 17	0 24	22 54	0 27	8 37	8 5	28 17	0 33	4 33	
W28	22 24	5 7	2 30	17 39	3 49	15 49	1 23	21 50	1 23	8 20	1 21	3 28	2 31	18 12	0 14	16 17	0 24	22 54	0 27	8 37	8 4	28 17	0 32	4 34	
T 29	22 31	1s 5	1 25	17 26	3 58	16 10	1 21	21 42	1 22	8 18	1 21	3 28	2 31	18 13	0 14	16 17	0 24	22 54	0 27	8 37	8 3	28 17	0 32	4 34	
F 30	22 38	7 7	0 18	17 15	4 5	16 32	1 20	21 34	1 22	8 16	1 21	3 27	2 31	18 14	0 14	16 17	0 24	22 54	0 27	8 38	8 2	28 17	0 31	4 34	
S 31	22n44	12s45	0s50	17n 5	4s11	16n53	1s18	21n26	1n21	8n13	1n21	3n27	2n31	18n14	0s14	16s18	0s24	22n54	0s27	8n38	8n 1	28s16	0s31	4n34	

Julian Day Number = 2154364.5, Delta T = 13m51s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'42, Lahiri = 12°30'43 Julian Calendar 1 May 1186 == Greg. Calendar 8 May 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

JUNE 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 3 28	16♊18'27	13♏39	4°R34	22♉22	1♌15	12♍22	27♍10	22♉31	16°R38	7♋22	22°R 1	20♈22	9♑ 8	18♓ 7	S 1
M 2	17 7 25	17°15'38	25°50	4♊21	23°34	1°51	12°27	27°10	22°34	16♒38	7°24	21♈56	20°19	9°15	18° 8	M 2
T 3	17 11 22	18°12'49	7♐54	4°12	24°47	2°28	12°33	27°11	22°37	16°37	7°25	21°49	20°15	9°21	18° 9	T 3
W 4	17 15 18	19°10'00	19°53	4°D 8	25°59	3° 4	12°38	27°12	22°40	16°37	7°27	21°40	20°12	9°28	18° 9	W 4
T 5	17 19 15	20° 7'10	1♑48	4° 8	27°12	3°40	12°44	27°14	22°44	16°36	7°28	21°29	20° 9	9°35	18°10	T 5
F 6	17 23 11	21° 4'20	13°41	4°12	28°25	4°16	12°50	27°15	22°47	16°35	7°30	21°18	20° 6	9°42	18°10	F 6
S 7	17 27 8	22° 1'30	25°34	4°22	29°37	4°53	12°56	27°16	22°50	16°34	7°31	21° 8	20° 3	9°48	18°11	S 7
S 8	17 31 4	22°58'40	7♒27	4°36	0♊50	5°29	13° 2	27°18	22°53	16°34	7°33	20°58	20° 0	9°55	18°11	S 8
M 9	17 35 1	23°55'49	19°25	4°55	2° 3	6° 5	13° 8	27°19	22°56	16°33	7°34	20°51	19°56	10° 2	18°11	M 9
T 10	17 38 58	24°52'59	1♓31	5°19	3°15	6°42	13°15	27°21	22°59	16°32	7°36	20°46	19°53	10° 8	18°12	T 10
W11	17 42 54	25°50'09	13°48	5°48	4°28	7°18	13°21	27°23	23° 2	16°31	7°37	20°44	19°50	10°15	18°12	W11
T 12	17 46 51	26°47'19	26°21	6°21	5°41	7°55	13°28	27°24	23° 5	16°30	7°39	20°D43	19°47	10°22	18°12	T 12
F 13	17 50 47	27°44'29	9♈14	6°59	6°54	8°31	13°35	27°26	23° 8	16°29	7°40	20°43	19°44	10°29	18°12	F 13
S 14	17 54 44	28°41'39	22°32	7°42	8° 6	9° 8	13°42	27°28	23°12	16°28	7°42	20°R43	19°41	10°35	18°12	S 14
S 15	17 58 40	29°38'50	6♉17	8°29	9°19	9°44	13°49	27°31	23°15	16°27	7°43	20°43	19°37	10°42	18°R12	S 15
M16	18 2 37	0♋36'01	20°31	9°21	10°32	10°21	13°56	27°33	23°17	16°26	7°45	20°40	19°34	10°49	18°12	M16
T 17	18 6 33	1°33'12	5♊12	10°18	11°45	10°58	14° 3	27°35	23°20	16°25	7°47	20°34	19°31	10°55	18°12	T 17
W18	18 10 30	2°30'24	20°15	11°19	12°58	11°34	14°11	27°37	23°23	16°24	7°48	20°26	19°28	11° 2	18°12	W18
T 19	18 14 27	3°27'35	5♋30	12°24	14°11	12°11	14°18	27°40	23°26	16°23	7°50	20°17	19°25	11° 9	18°12	T 19
F 20	18 18 23	4°24'47	20°48	13°34	15°24	12°48	14°26	27°43	23°29	16°22	7°51	20° 7	19°21	11°16	18°11	F 20
S 21	18 22 20	5°21'59	5♌57	14°47	16°37	13°25	14°34	27°45	23°32	16°21	7°53	19°57	19°18	11°22	18°11	S 21
S 22	18 26 16	6°19'11	20°47	16° 5	17°50	14° 2	14°42	27°48	23°35	16°20	7°54	19°49	19°15	11°29	18°11	S 22
M23	18 30 13	7°16'23	5♍11	17°28	19° 3	14°38	14°50	27°51	23°37	16°19	7°56	19°44	19°12	11°36	18°10	M23
T 24	18 34 9	8°13'35	19° 7	18°54	20°16	15°15	14°58	27°54	23°40	16°17	7°58	19°41	19° 9	11°43	18°10	T 24
W25	18 38 6	9°10'47	2♎36	20°24	21°29	15°52	15° 6	27°57	23°43	16°16	7°59	19°39	19° 6	11°49	18° 9	W25
T 26	18 42 2	10° 7'59	15°39	21°58	22°42	16°29	15°15	28° 0	23°46	16°15	8° 1	19°39	19° 2	11°56	18° 9	T 26
F 27	18 45 59	11° 5'11	28°21	23°36	23°55	17° 6	15°23	28° 3	23°48	16°14	8° 2	19°39	18°59	12° 3	18° 8	F 27
S 28	18 49 56	12° 2'23	10♏45	25°17	25° 8	17°43	15°32	28° 7	23°51	16°13	8° 4	19°38	18°56	12° 9	18° 7	S 28
S 29	18 53 52	12°59'36	22°57	27° 2	26°22	18°20	15°41	28°10	23°53	16°11	8° 5	19°34	18°53	12°16	18° 7	S 29
M30	18 57 49	13♋56'49	4♐59	28♊50	27♊35	18♌57	15♍50	28♍13	23♉56	16♒10	8♋ 7	19♈28	18♈50	12♑23	18♓ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	17s48	1s53	16n57	4s16	17n13	1s16	21n17	1n21	8n11	1n20	3n26	2n31	18n15	0s14	16s18	0s24	22n54	0s27	8n37	7n59	28s16	0s30	4n35
M 2	22 56	22 4	2 51	16 52	4 19	17 33	1 14	21 9	1 21	8 9	1 20	3 26	2 30	18 16	0 14	16 18	0 24	22 54	0 27	8 35	7 58	28 16	0 30	4 35
T 3	23 1	25 20	3 40	16 48	4 21	17 53	1 12	21 0	1 20	8 7	1 20	3 25	2 30	18 17	0 14	16 18	0 24	22 54	0 27	8 32	7 57	28 15	0 30	4 35
W 4	23 6	27 27	4 19	16 47	4 22	18 12	1 10	20 51	1 20	8 4	1 20	3 24	2 30	18 18	0 14	16 18	0 24	22 54	0 27	8 29	7 56	28 15	0 29	4 35
T 5	23 11	28 18	4 46	16 47	4 21	18 31	1 8	20 42	1 20	8 2	1 19	3 24	2 30	18 19	0 14	16 19	0 24	22 54	0 26	8 25	7 55	28 15	0 29	4 35
F 6	23 15	27 49	5 1	16 50	4 19	18 50	1 6	20 33	1 19	8 0	1 19	3 23	2 29	18 19	0 14	16 19	0 24	22 54	0 26	8 21	7 53	28 14	0 28	4 36
S 7	23 18	26 5	5 2	16 54	4 16	19 7	1 4	20 24	1 19	7 57	1 19	3 22	2 29	18 20	0 14	16 19	0 24	22 54	0 26	8 17	7 52	28 14	0 28	4 36
S 8	23 22	23 10	4 51	17 1	4 12	19 25	1 2	20 15	1 18	7 55	1 19	3 21	2 29	18 21	0 14	16 19	0 24	22 54	0 26	8 13	7 51	28 14	0 28	4 36
M 9	23 24	19 17	4 27	17 9	4 7	19 42	0 59	20 6	1 18	7 52	1 19	3 21	2 29	18 22	0 14	16 20	0 24	22 54	0 26	8 11	7 50	28 13	0 27	4 36
T 10	23 27	14 34	3 51	17 19	4 1	19 58	0 57	19 56	1 18	7 49	1 18	3 20	2 28	18 23	0 14	16 20	0 24	22 54	0 26	8 9	7 49	28 13	0 27	4 36
W11	23 29	9 13	3 3	17 31	3 54	20 14	0 55	19 46	1 17	7 47	1 18	3 19	2 28	18 23	0 14	16 20	0 24	22 54	0 26	8 8	7 47	28 12	0 27	4 37
T 12	23 30	3 23	2 6	17 45	3 47	20 29	0 53	19 36	1 17	7 44	1 18	3 18	2 28	18 24	0 14	16 20	0 24	22 54	0 26	8 7	7 46	28 12	0 26	4 37
F 13	23 32	2n45	1 1	17 59	3 38	20 44	0 50	19 26	1 16	7 41	1 18	3 17	2 28	18 25	0 14	16 21	0 24	22 54	0 26	8 8	7 45	28 12	0 26	4 37
S 14	23 32	8 57	0n10	18 15	3 29	20 58	0 48	19 16	1 16	7 38	1 18	3 16	2 28	18 26	0 14	16 21	0 24	22 53	0 26	8 8	7 44	28 11	0 26	4 37
S 15	23 33	14 58	1 22	18 32	3 19	21 12	0 45	19 6	1 16	7 35	1 18	3 15	2 27	18 26	0 14	16 21	0 24	22 53	0 26	8 7	7 43	28 11	0 26	4 37
M16	23 33	20 23	2 31	18 51	3 9	21 25	0 43	18 56	1 15	7 32	1 17	3 14	2 27	18 27	0 14	16 22	0 24	22 53	0 26	8 6	7 41	28 10	0 26	4 38
T 17	23 32	24 45	3 33	19 10	2 58	21 38	0 41	18 45	1 15	7 29	1 17	3 12	2 27	18 28	0 14	16 22	0 24	22 53	0 26	8 4	7 40	28 10	0 25	4 38
W18	23 31	27 31	4 21	19 29	2 46	21 49	0 38	18 35	1 14	7 26	1 17	3 11	2 27	18 29	0 14	16 22	0 24	22 53	0 26	8 1	7 39	28 9	0 25	4 38
T 19	23 30	28 17	4 51	19 50	2 34	22 1	0 36	18 24	1 14	7 23	1 17	3 10	2 26	18 29	0 14	16 23	0 24	22 53	0 26	7 58	7 38	28 9	0 25	4 38
F 20	23 28	26 53	5 1	20 11	2 22	22 11	0 33	18 13	1 14	7 20	1 17	3 9	2 26	18 30	0 14	16 23	0 24	22 53	0 26	7 54	7 37	28 9	0 25	4 38
S 21	23 26	23 33	4 50	20 32	2 10	22 22	0 31	18 2	1 13	7 17	1 16	3 8	2 26	18 31	0 14	16 23	0 24	22 53	0 25	7 50	7 35	28 8	0 25	4 39
S 22	23 24	18 43	4 19	20 53	1 57	22 31	0 28	17 51	1 13	7 13	1 16	3 6	2 26	18 32	0 14	16 24	0 24	22 53	0 25	7 47	7 34	28 8	0 25	4 39
M23	23 21	12 56	3 32	21 14	1 44	22 40	0 26	17 40	1 12	7 10	1 16	3 5	2 25	18 32	0 14	16 24	0 24	22 53	0 25	7 45	7 33	28 7	0 25	4 39
T 24	23 17	6 41	2 34	21 34	1 31	22 48	0 23	17 29	1 12	7 7	1 16	3 4	2 25	18 33	0 14	16 25	0 24	22 53	0 25	7 44	7 32	28 7	0 25	4 39
W25	23 14	0 19	1 29	21 54	1 18	22 56	0 21	17 17	1 11	7 3	1 16	3 2	2 25	18 34	0 14	16 25	0 24	22 53	0 25	7 43	7 31	28 6	0 25	4 39
T 26	23 9	5s52	0 21	22 13	1 5	23 2	0 18	17 6	1 11	7 0	1 16	3 1	2 25	18 34	0 14	16 25	0 24	22 53	0 25	7 43	7 29	28 6	0 25	4 40
F 27	23 5	11 39	0s46	22 32	0 52	23 9	0 16	16 54	1 11	6 56	1 15	2 59	2 25	18 35	0 14	16 26	0 24	22 53	0 25	7 43	7 28	28 5	0 25	4 40
S 28	23 0	16 50	1 49	22 49	0 39	23 14	0 13	16 42	1 10	6 53	1 15	2 58	2 24	18 36	0 14	16 26	0 24	22 53	0 25	7 43	7 27	28 5	0 25	4 40
S 29	22 55	21 16	2 46	23 5	0 26	23 19	0 11	16 30	1 10	6 49	1 15	2 56	2 24	18 36	0 14	16 26	0 24	22 53	0 25	7 41	7 26	28 4	0 25	4 40
M30	22n49	24s45	3s35	23n19	0s14	23n23	0s 8	16n18	1n 9	6n46	1n15	2n55	2n24	18n37	0s14	16s27	0s24	22n53	0s25	7n39	7n24	28s 3	0s26	4n40

Julian Day Number = 2154395.5, Delta T = 13m51s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'46, Lahiri = 12°30'47 Julian Calendar 1 June 1186 == Greg. Calendar 8 June 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

JULY 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 1 45	14♋54'02	16♐56	0♋42	28♊48	19♌34	15♍59	28♍17	23♉58	16°R 9	8♋ 9	19°R19	18♈47	12♑30	18°R 5	T 1
W 2	19 5 42	15°51'16	28°50	2°36	0♋ 1	20°12	16° 8	28°21	24° 1	16♒ 7	8°10	19♈ 8	18°43	12°36	18♓ 4	W 2
T 3	19 9 38	16°48'30	10♑43	4°32	1°15	20°49	16°17	28°24	24° 3	16° 6	8°12	18°54	18°40	12°43	18° 3	T 3
F 4	19 13 35	17°45'45	22°36	6°32	2°28	21°26	16°26	28°28	24° 6	16° 5	8°13	18°41	18°37	12°50	18° 2	F 4
S 5	19 17 31	18°43'00	4♒30	8°33	3°41	22° 3	16°36	28°32	24° 8	16° 3	8°15	18°27	18°34	12°57	18° 1	S 5
S 6	19 21 28	19°40'16	16°28	10°35	4°55	22°40	16°45	28°36	24°11	16° 2	8°16	18°15	18°31	13° 3	18° 0	S 6
M 7	19 25 25	20°37'33	28°31	12°39	6° 8	23°18	16°55	28°40	24°13	16° 0	8°18	18° 6	18°27	13°10	17°59	M 7
T 8	19 29 21	21°34'51	10♓41	14°45	7°22	23°55	17° 4	28°44	24°15	15°59	8°19	17°59	18°24	13°17	17°58	T 8
W 9	19 33 18	22°32'09	23° 2	16°50	8°35	24°33	17°14	28°48	24°17	15°57	8°21	17°55	18°21	13°23	17°56	W 9
T 10	19 37 14	23°29'29	5♈36	18°57	9°49	25°10	17°24	28°53	24°19	15°56	8°22	17°53	18°18	13°30	17°55	T 10
F 11	19 41 11	24°26'50	18°27	21° 3	11° 2	25°47	17°34	28°57	24°22	15°54	8°24	17°53	18°15	13°37	17°54	F 11
S 12	19 45 7	25°24'11	1♉40	23° 9	12°16	26°25	17°44	29° 1	24°24	15°53	8°25	17°53	18°12	13°44	17°52	S 12
S 13	19 49 4	26°21'35	15°18	25°15	13°29	27° 2	17°54	29° 6	24°26	15°51	8°27	17°52	18° 8	13°50	17°51	S 13
M14	19 53 0	27°18'59	29°23	27°20	14°43	27°40	18° 4	29°11	24°28	15°50	8°28	17°49	18° 5	13°57	17°49	M14
T 15	19 56 57	28°16'25	13♊55	29°24	15°57	28°18	18°14	29°15	24°30	15°48	8°30	17°43	18° 2	14° 4	17°48	T 15
W16	20 0 54	29°13'52	28°49	1♌28	17°10	28°55	18°25	29°20	24°32	15°47	8°31	17°36	17°59	14°10	17°46	W16
T 17	20 4 50	0♌11'20	13♋59	3°30	18°24	29°33	18°35	29°25	24°34	15°45	8°33	17°26	17°56	14°17	17°45	T 17
F 18	20 8 47	1° 8'49	29°15	5°31	19°38	0♍11	18°46	29°30	24°35	15°44	8°34	17°15	17°53	14°24	17°43	F 18
S 19	20 12 43	2° 6'19	14♌26	7°31	20°52	0°48	18°56	29°35	24°37	15°42	8°36	17° 5	17°49	14°31	17°41	S 19
S 20	20 16 40	3° 3'51	29°21	9°29	22° 5	1°26	19° 7	29°40	24°39	15°41	8°37	16°57	17°46	14°37	17°40	S 20
M21	20 20 36	4° 1'23	13♍53	11°26	23°19	2° 4	19°18	29°45	24°41	15°39	8°39	16°51	17°43	14°44	17°38	M21
T 22	20 24 33	4°58'56	27°57	13°22	24°33	2°42	19°29	29°50	24°42	15°37	8°40	16°48	17°40	14°51	17°36	T 22
W23	20 28 30	5°56'30	11♎31	15°16	25°47	3°20	19°40	29°55	24°44	15°36	8°42	16°D46	17°37	14°58	17°34	W23
T 24	20 32 26	6°54'04	24°38	17° 9	27° 1	3°58	19°51	0♎ 0	24°46	15°34	8°43	16°46	17°33	15° 4	17°32	T 24
F 25	20 36 23	7°51'40	7♏21	19° 0	28°15	4°36	20° 2	0° 6	24°47	15°32	8°45	16°R47	17°30	15°11	17°30	F 25
S 26	20 40 19	8°49'17	19°45	20°50	29°29	5°14	20°13	0°11	24°49	15°31	8°46	16°46	17°27	15°18	17°28	S 26
S 27	20 44 16	9°46'55	1♐55	22°38	0♌43	5°52	20°24	0°16	24°50	15°29	8°47	16°44	17°24	15°24	17°26	S 27
M28	20 48 12	10°44'34	13°54	24°25	1°57	6°30	20°35	0°22	24°52	15°28	8°49	16°39	17°21	15°31	17°24	M28
T 29	20 52 9	11°42'14	25°48	26°10	3°11	7° 8	20°47	0°27	24°53	15°26	8°50	16°32	17°18	15°38	17°22	T 29
W30	20 56 5	12°39'56	7♑40	27°54	4°25	7°46	20°58	0°33	24°54	15°24	8°51	16°23	17°14	15°45	17°20	W30
T 31	21 0 2	13♌37'38	19♑33	29♌36	5♌39	8♍24	21♍ 9	0♎39	24♉55	15♒23	8♋53	16♈12	17♈11	15♑51	17♓17	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n43	27s 7	4s14	23n31	0s 1	23n27	0s 6	16n 6	1n 9	6n42	1n15	2n53	2n24	18n37	0s14	16s27	0s24	22n53	0s25	7n36	7n23	28s 3	0s26	4n41
W 2	22 36	28 14	4 41	23 42	0n10	23 30	0 3	15 54	1 9	6 38	1 15	2 51	2 24	18 38	0 14	16 28	0 24	22 53	0 25	7 31	7 22	28 2	0 26	4 41
T 3	22 29	28 2	4 56	23 50	0 21	23 32	0 1	15 42	1 8	6 35	1 14	2 50	2 23	18 39	0 14	16 28	0 24	22 53	0 25	7 26	7 21	28 2	0 26	4 41
F 4	22 22	26 33	4 59	23 55	0 32	23 33	0n 2	15 29	1 8	6 31	1 14	2 48	2 23	18 39	0 14	16 29	0 24	22 53	0 25	7 21	7 20	28 1	0 26	4 41
S 5	22 14	23 52	4 48	23 58	0 42	23 34	0 4	15 17	1 7	6 27	1 14	2 46	2 23	18 40	0 14	16 29	0 24	22 53	0 25	7 16	7 18	28 1	0 27	4 41
S 6	22 6	20 10	4 24	23 59	0 52	23 34	0 7	15 4	1 7	6 23	1 14	2 44	2 23	18 40	0 14	16 29	0 24	22 53	0 25	7 11	7 17	28 0	0 27	4 41
M 7	21 57	15 37	3 49	23 57	1 1	23 34	0 9	14 52	1 6	6 19	1 14	2 43	2 23	18 41	0 14	16 30	0 24	22 53	0 25	7 8	7 16	27 59	0 27	4 42
T 8	21 48	10 24	3 3	23 52	1 9	23 32	0 12	14 39	1 6	6 15	1 14	2 41	2 22	18 42	0 14	16 30	0 24	22 53	0 24	7 5	7 15	27 59	0 27	4 42
W 9	21 39	4 44	2 7	23 44	1 16	23 30	0 14	14 26	1 6	6 11	1 13	2 39	2 22	18 42	0 14	16 31	0 24	22 53	0 24	7 3	7 14	27 58	0 28	4 42
T 10	21 30	1n15	1 4	23 34	1 22	23 28	0 17	14 13	1 5	6 8	1 13	2 37	2 22	18 43	0 14	16 31	0 24	22 53	0 24	7 3	7 12	27 58	0 28	4 42
F 11	21 20	7 19	0n 3	23 21	1 28	23 24	0 19	14 0	1 5	6 3	1 13	2 35	2 22	18 43	0 14	16 32	0 24	22 53	0 24	7 3	7 11	27 57	0 28	4 42
S 12	21 9	13 14	1 12	23 5	1 33	23 20	0 21	13 46	1 4	5 59	1 13	2 33	2 22	18 44	0 14	16 32	0 24	22 53	0 24	7 3	7 10	27 56	0 29	4 42
S 13	20 59	18 43	2 20	22 47	1 37	23 15	0 24	13 33	1 4	5 55	1 13	2 31	2 21	18 44	0 14	16 33	0 24	22 52	0 24	7 2	7 9	27 56	0 29	4 43
M14	20 47	23 22	3 21	22 26	1 41	23 10	0 26	13 20	1 3	5 51	1 13	2 29	2 21	18 45	0 14	16 33	0 24	22 52	0 24	7 1	7 7	27 55	0 30	4 43
T 15	20 36	26 43	4 11	22 3	1 43	23 4	0 28	13 6	1 3	5 47	1 13	2 27	2 21	18 45	0 14	16 34	0 25	22 52	0 24	6 59	7 6	27 54	0 30	4 43
W16	20 24	28 18	4 45	21 38	1 45	22 57	0 31	12 53	1 3	5 43	1 12	2 25	2 21	18 46	0 14	16 34	0 25	22 52	0 24	6 56	7 5	27 54	0 31	4 43
T 17	20 12	27 47	5 0	21 11	1 46	22 49	0 33	12 39	1 2	5 39	1 12	2 23	2 21	18 46	0 14	16 35	0 25	22 52	0 24	6 52	7 4	27 53	0 31	4 43
F 18	20 0	25 12	4 54	20 42	1 47	22 41	0 35	12 25	1 2	5 34	1 12	2 21	2 21	18 47	0 14	16 35	0 25	22 52	0 24	6 48	7 3	27 52	0 32	4 43
S 19	19 47	20 50	4 28	20 12	1 47	22 32	0 37	12 11	1 1	5 30	1 12	2 19	2 20	18 47	0 14	16 36	0 25	22 52	0 24	6 45	7 1	27 51	0 32	4 44
S 20	19 34	15 14	3 43	19 40	1 46	22 23	0 39	11 57	1 1	5 26	1 12	2 17	2 20	18 47	0 14	16 36	0 25	22 52	0 24	6 41	7 0	27 51	0 33	4 44
M21	19 20	8 54	2 45	19 6	1 45	22 12	0 42	11 43	1 0	5 21	1 12	2 14	2 20	18 48	0 14	16 37	0 25	22 52	0 24	6 39	6 59	27 50	0 33	4 44
T 22	19 6	2 19	1 38	18 31	1 43	22 1	0 44	11 29	1 0	5 17	1 12	2 12	2 20	18 48	0 14	16 37	0 25	22 52	0 24	6 38	6 58	27 49	0 34	4 44
W23	18 52	4s 9	0 28	17 55	1 40	21 50	0 46	11 15	0 59	5 13	1 12	2 10	2 20	18 49	0 14	16 37	0 25	22 52	0 24	6 37	6 57	27 49	0 35	4 44
T 24	18 38	10 14	0s42	17 18	1 37	21 38	0 48	11 1	0 59	5 8	1 11	2 8	2 20	18 49	0 14	16 38	0 25	22 52	0 24	6 37	6 55	27 48	0 35	4 44
F 25	18 23	15 43	1 47	16 41	1 34	21 25	0 50	10 47	0 58	5 4	1 11	2 6	2 19	18 49	0 14	16 38	0 25	22 52	0 23	6 37	6 54	27 47	0 36	4 44
S 26	18 8	20 25	2 46	16 2	1 30	21 12	0 52	10 32	0 58	4 59	1 11	2 3	2 19	18 50	0 14	16 39	0 25	22 52	0 23	6 37	6 53	27 46	0 36	4 44
S 27	17 53	24 9	3 36	15 22	1 25	20 57	0 53	10 18	0 58	4 55	1 11	2 1	2 19	18 50	0 14	16 39	0 25	22 52	0 23	6 36	6 52	27 46	0 37	4 45
M28	17 37	26 48	4 15	14 42	1 20	20 43	0 55	10 3	0 57	4 50	1 11	1 59	2 19	18 50	0 14	16 40	0 25	22 52	0 23	6 34	6 50	27 45	0 38	4 45
T 29	17 21	28 12	4 43	14 2	1 15	20 28	0 57	9 48	0 57	4 45	1 11	1 56	2 19	18 51	0 14	16 40	0 25	22 52	0 23	6 32	6 49	27 44	0 39	4 45
W30	17 5	28 18	4 59	13 21	1 10	20 12	0 59	9 34	0 56	4 41	1 11	1 54	2 19	18 51	0 14	16 41	0 25	22 52	0 23	6 28	6 48	27 43	0 39	4 45
T 31	16n49	27s 6	5s 2	12n40	1n 4	19n55	1n 0	9n19	0n56	4n36	1n11	1n51	2n18	18n51	0s14	16s41	0s25	22n52	0s23	6n24	6n47	27s42	0s40	4n45

Julian Day Number = 2154425.5, Delta T = 13m51s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'50, Lahiri = 12°30'51 Julian Calendar 1 July 1186 == Greg. Calendar 8 July 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

AUGUST 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 3 59	14♌35'22	1♒29	1♍17	6♌53	9♍ 2	21♍21	0♎45	24♉57	15°R21	8♋54	16°R 0	17♈ 8	15♉58	17°R15	F 1
S 2	21 7 55	15°33'07	13°29	2°57	8° 7	9°41	21°33	0°50	24°58	15♒19	8°55	15♈49	17° 5	16° 5	17♓13	S 2
S 3	21 11 52	16°30'54	25°34	4°35	9°21	10°19	21°44	0°56	24°59	15°18	8°57	15°39	17° 2	16°12	17°11	S 3
M 4	21 15 48	17°28'42	7♓47	6°12	10°35	10°57	21°56	1° 2	25° 0	15°16	8°58	15°31	16°59	16°18	17° 8	M 4
T 5	21 19 45	18°26'32	20° 8	7°47	11°50	11°36	22° 8	1° 8	25° 1	15°14	8°59	15°26	16°55	16°25	17° 6	T 5
W 6	21 23 41	19°24'23	2♈40	9°21	13° 4	12°14	22°19	1°14	25° 2	15°13	9° 0	15°23	16°52	16°32	17° 4	W 6
T 7	21 27 38	20°22'16	15°23	10°54	14°18	12°53	22°31	1°20	25° 3	15°11	9° 2	15°D22	16°49	16°38	17° 1	T 7
F 8	21 31 34	21°20'11	28°21	12°25	15°32	13°31	22°43	1°26	25° 4	15°10	9° 3	15°22	16°46	16°45	16°59	F 8
S 9	21 35 31	22°18'08	11♉36	13°55	16°47	14°10	22°55	1°32	25° 5	15° 8	9° 4	15°23	16°43	16°52	16°56	S 9
S 10	21 39 27	23°16'06	25°11	15°23	18° 1	14°48	23° 7	1°39	25° 5	15° 6	9° 5	15°R24	16°39	16°59	16°54	S 10
M11	21 43 24	24°14'07	9♊ 7	16°50	19°15	15°27	23°19	1°45	25° 6	15° 5	9° 7	15°23	16°36	17° 5	16°51	M11
T 12	21 47 21	25°12'10	23°25	18°16	20°30	16° 5	23°31	1°51	25° 7	15° 3	9° 8	15°20	16°33	17°12	16°49	T 12
W13	21 51 17	26°10'15	8♋ 2	19°40	21°44	16°44	23°44	1°58	25° 7	15° 2	9° 9	15°15	16°30	17°19	16°46	W13
T 14	21 55 14	27° 8'22	22°54	21° 3	22°59	17°23	23°56	2° 4	25° 8	15° 0	9°10	15° 8	16°27	17°26	16°44	T 14
F 15	21 59 10	28° 6'30	7♌53	22°25	24°13	18° 2	24° 8	2°10	25° 9	14°58	9°11	15° 1	16°24	17°32	16°41	F 15
S 16	22 3 7	29° 4'40	22°50	23°44	25°28	18°40	24°20	2°17	25° 9	14°57	9°12	14°54	16°20	17°39	16°38	S 16
S 17	22 7 3	0♍ 2'53	7♍37	25° 3	26°42	19°19	24°33	2°23	25° 9	14°55	9°13	14°49	16°17	17°46	16°36	S 17
M18	22 11 0	1° 1'06	22° 4	26°19	27°57	19°58	24°45	2°30	25°10	14°54	9°14	14°45	16°14	17°52	16°33	M18
T 19	22 14 57	1°59'22	6♎ 8	27°34	29°11	20°37	24°58	2°37	25°10	14°52	9°15	14°43	16°11	17°59	16°30	T 19
W20	22 18 53	2°57'39	19°45	28°47	0♍26	21°16	25°10	2°43	25°10	14°50	9°16	14°D42	16° 8	18° 6	16°28	W20
T 21	22 22 50	3°55'58	2♏56	29°59	1°40	21°55	25°23	2°50	25°11	14°49	9°17	14°43	16° 4	18°13	16°25	T 21
F 22	22 26 46	4°54'18	15°44	1♎ 8	2°55	22°34	25°35	2°57	25°11	14°47	9°18	14°45	16° 1	18°19	16°22	F 22
S 23	22 30 43	5°52'40	28°11	2°16	4°10	23°13	25°48	3° 3	25°11	14°46	9°19	14°46	15°58	18°26	16°19	S 23
S 24	22 34 39	6°51'04	10♐22	3°21	5°24	23°52	26° 0	3°10	25°11	14°44	9°20	14°R46	15°55	18°33	16°17	S 24
M25	22 38 36	7°49'29	22°22	4°24	6°39	24°31	26°13	3°17	25°R11	14°43	9°21	14°45	15°52	18°39	16°14	M25
T 26	22 42 32	8°47'56	4♑17	5°25	7°54	25°11	26°26	3°24	25°11	14°41	9°22	14°42	15°49	18°46	16°11	T 26
W27	22 46 29	9°46'24	16° 9	6°23	9° 8	25°50	26°38	3°31	25°11	14°40	9°23	14°38	15°45	18°53	16° 8	W27
T 28	22 50 25	10°44'55	28° 3	7°19	10°23	26°29	26°51	3°37	25°11	14°39	9°24	14°33	15°42	19° 0	16° 6	T 28
F 29	22 54 22	11°43'27	10♒ 2	8°11	11°38	27° 9	27° 4	3°44	25°10	14°37	9°25	14°27	15°39	19° 6	16° 3	F 29
S 30	22 58 19	12°42'01	22° 9	9° 0	12°52	27°48	27°16	3°51	25°10	14°36	9°26	14°21	15°36	19°13	16° 0	S 30
S 31	23 2 15	13♍40'36	4♓25	9♎46	14♍ 7	28♍27	27♍29	3♎58	25♉10	14♒34	9♋26	14♈16	15♈33	19♉20	15♓57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n32	24s40	4s52	11n58	0n58	19n38	1n 2	9n 4	0n55	4n32	1n11	1n49	2n18	18n52	0s14	16s42	0s25	22n52	0s23	6n19	6n46	27s42	0s41	4n45
S 2	16 15	21 8	4 29	11 16	0 51	19 21	1 4	8 49	0 55	4 27	1 11	1 47	2 18	18 52	0 14	16 42	0 25	22 52	0 23	6 15	6 44	27 41	0 42	4 45
S 3	15 57	16 42	3 53	10 34	0 45	19 3	1 5	8 34	0 54	4 22	1 10	1 44	2 18	18 52	0 14	16 43	0 25	22 52	0 23	6 11	6 43	27 40	0 42	4 45
M 4	15 40	11 34	3 7	9 52	0 38	18 44	1 7	8 19	0 54	4 17	1 10	1 42	2 18	18 53	0 14	16 43	0 25	22 52	0 23	6 8	6 42	27 39	0 43	4 45
T 5	15 22	5 55	2 11	9 10	0 30	18 25	1 8	8 4	0 53	4 13	1 10	1 39	2 18	18 53	0 14	16 44	0 25	22 52	0 23	6 6	6 41	27 38	0 44	4 45
W 6	15 4	0n 2	1 8	8 27	0 23	18 5	1 10	7 49	0 53	4 8	1 10	1 37	2 18	18 53	0 14	16 44	0 25	22 52	0 23	6 5	6 39	27 37	0 45	4 46
T 7	14 46	6 5	0n 0	7 45	0 15	17 45	1 11	7 34	0 53	4 3	1 10	1 34	2 18	18 53	0 14	16 45	0 25	22 52	0 23	6 5	6 38	27 37	0 46	4 46
F 8	14 27	12 1	1 9	7 3	0 8	17 24	1 12	7 19	0 52	3 58	1 10	1 31	2 17	18 53	0 14	16 45	0 25	22 52	0 23	6 5	6 37	27 36	0 47	4 46
S 9	14 8	17 32	2 16	6 21	0s 0	17 3	1 13	7 3	0 52	3 54	1 10	1 29	2 17	18 54	0 14	16 46	0 25	22 52	0 23	6 5	6 36	27 35	0 48	4 46
S 10	13 49	22 20	3 17	5 39	0 8	16 41	1 15	6 48	0 51	3 49	1 10	1 26	2 17	18 54	0 14	16 46	0 25	22 52	0 23	6 5	6 35	27 34	0 49	4 46
M11	13 30	26 0	4 8	4 58	0 17	16 19	1 16	6 32	0 51	3 44	1 10	1 24	2 17	18 54	0 14	16 47	0 25	22 51	0 23	6 5	6 33	27 33	0 49	4 46
T 12	13 11	28 8	4 45	4 17	0 25	15 56	1 17	6 17	0 50	3 39	1 10	1 21	2 17	18 54	0 14	16 47	0 25	22 51	0 22	6 4	6 32	27 32	0 50	4 46
W13	12 51	28 22	5 5	3 36	0 33	15 33	1 18	6 1	0 50	3 34	1 10	1 18	2 17	18 54	0 14	16 48	0 25	22 51	0 22	6 2	6 31	27 31	0 51	4 46
T 14	12 31	26 35	5 4	2 55	0 42	15 9	1 19	5 46	0 49	3 29	1 10	1 16	2 17	18 54	0 14	16 48	0 25	22 51	0 22	5 59	6 30	27 30	0 52	4 46
F 15	12 11	22 56	4 43	2 15	0 51	14 45	1 19	5 30	0 49	3 24	1 9	1 13	2 17	18 55	0 14	16 49	0 25	22 51	0 22	5 57	6 28	27 29	0 53	4 46
S 16	11 51	17 47	4 3	1 35	0 59	14 21	1 20	5 14	0 48	3 19	1 9	1 10	2 17	18 55	0 14	16 49	0 25	22 51	0 22	5 54	6 27	27 29	0 54	4 46
S 17	11 30	11 38	3 7	0 56	1 8	13 56	1 21	4 59	0 48	3 14	1 9	1 8	2 16	18 55	0 14	16 50	0 25	22 51	0 22	5 52	6 26	27 28	0 55	4 46
M18	11 10	4 59	1 59	0 18	1 17	13 31	1 22	4 43	0 47	3 9	1 9	1 5	2 16	18 55	0 14	16 50	0 25	22 51	0 22	5 50	6 25	27 27	0 56	4 46
T 19	10 49	1s44	0 46	0s20	1 26	13 5	1 22	4 27	0 47	3 4	1 9	1 2	2 16	18 55	0 14	16 51	0 25	22 51	0 22	5 49	6 24	27 26	0 57	4 46
W20	10 28	8 11	0s27	0 57	1 34	12 40	1 23	4 11	0 46	2 59	1 9	1 0	2 16	18 55	0 14	16 51	0 25	22 51	0 22	5 49	6 22	27 25	0 58	4 46
T 21	10 7	14 4	1 37	1 34	1 43	12 13	1 23	3 55	0 46	2 54	1 9	0 57	2 16	18 55	0 14	16 52	0 25	22 51	0 22	5 50	6 21	27 24	0 59	4 46
F 22	9 45	19 11	2 40	2 10	1 52	11 47	1 24	3 39	0 45	2 49	1 9	0 54	2 16	18 55	0 14	16 52	0 25	22 51	0 22	5 50	6 20	27 23	1 1	4 46
S 23	9 24	23 19	3 34	2 45	2 0	11 20	1 24	3 23	0 45	2 44	1 9	0 51	2 16	18 55	0 14	16 53	0 25	22 51	0 22	5 51	6 19	27 22	1 2	4 46
S 24	9 2	26 20	4 17	3 19	2 9	10 53	1 24	3 7	0 44	2 39	1 9	0 49	2 16	18 55	0 14	16 53	0 25	22 51	0 22	5 51	6 17	27 21	1 3	4 46
M25	8 40	28 7	4 48	3 51	2 17	10 25	1 24	2 51	0 44	2 34	1 9	0 46	2 16	18 55	0 14	16 53	0 25	22 51	0 22	5 50	6 16	27 20	1 4	4 46
T 26	8 18	28 34	5 6	4 23	2 26	9 57	1 25	2 35	0 43	2 29	1 9	0 43	2 16	18 55	0 14	16 54	0 25	22 51	0 22	5 49	6 15	27 19	1 5	4 46
W27	7 56	27 42	5 11	4 54	2 34	9 29	1 25	2 19	0 43	2 24	1 9	0 40	2 16	18 55	0 14	16 54	0 25	22 51	0 22	5 48	6 14	27 18	1 6	4 46
T 28	7 34	25 35	5 2	5 23	2 42	9 1	1 25	2 3	0 42	2 19	1 9	0 37	2 16	18 55	0 14	16 55	0 25	22 51	0 22	5 45	6 12	27 17	1 7	4 46
F 29	7 12	22 19	4 41	5 51	2 50	8 32	1 25	1 47	0 42	2 13	1 9	0 35	2 15	18 55	0 14	16 55	0 25	22 51	0 22	5 43	6 11	27 16	1 8	4 46
S 30	6 49	18 4	4 6	6 18	2 57	8 3	1 25	1 31	0 41	2 8	1 9	0 32	2 15	18 55	0 14	16 56	0 25	22 51	0 22	5 41	6 10	27 15	1 9	4 46
S 31	6n27	13s 2	3s20	6s43	3s 4	7n34	1n24	1n14	0n41	2n 3	1n 9	0n29	2n15	18n55	0s14	16s56	0s25	22n51	0s21	5n39	6n 9	27s14	1s10	4n46

Julian Day Number = 2154456.5, Delta T = 13m51s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'55, Lahiri = 12°30'55 Julian Calendar 1 Aug. 1186 == Greg. Calendar 8 Aug. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

SEPTEMBER 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 6 12	14♍39'14	16♓52	10♎29	15♍22	29♍ 7	27♍42	4♎ 5	25°R10	14°R33	9♋27	14°R12	15♈30	19♑27	15°R54	M 1
T 2	23 10 8	15°37'54	29°29	11° 7	16°37	29°46	27°55	4°12	25♉ 9	14♒32	9°28	14♈10	15°26	19°33	15♓52	T 2
W 3	23 14 5	16°36'35	12♈19	11°41	17°51	0♎26	28° 8	4°19	25° 9	14°30	9°29	14°D 9	15°23	19°40	15°49	W 3
T 4	23 18 1	17°35'19	25°20	12°11	19° 6	1° 5	28°21	4°26	25° 8	14°29	9°30	14° 9	15°20	19°47	15°46	T 4
F 5	23 21 58	18°34'05	8♉35	12°36	20°21	1°45	28°34	4°34	25° 8	14°28	9°30	14°11	15°17	19°53	15°43	F 5
S 6	23 25 54	19°32'53	22° 3	12°55	21°36	2°25	28°47	4°41	25° 7	14°26	9°31	14°12	15°14	20° 0	15°40	S 6
S 7	23 29 51	20°31'44	5♊44	13° 9	22°51	3° 4	28°59	4°48	25° 6	14°25	9°32	14°13	15°10	20° 7	15°38	S 7
M 8	23 33 48	21°30'37	19°40	13°16	24° 6	3°44	29°12	4°55	25° 6	14°24	9°32	14°R14	15° 7	20°14	15°35	M 8
T 9	23 37 44	22°29'33	3♋49	13°R17	25°20	4°24	29°25	5° 2	25° 5	14°23	9°33	14°14	15° 4	20°20	15°32	T 9
W10	23 41 41	23°28'30	18°10	13°11	26°35	5° 4	29°38	5° 9	25° 4	14°22	9°33	14°12	15° 1	20°27	15°29	W10
T 11	23 45 37	24°27'31	2♌39	12°58	27°50	5°44	29°51	5°17	25° 3	14°20	9°34	14°10	14°58	20°34	15°26	T 11
F 12	23 49 34	25°26'33	17°12	12°38	29° 5	6°24	0♎ 4	5°24	25° 2	14°19	9°35	14° 8	14°55	20°40	15°24	F 12
S 13	23 53 30	26°25'38	1♍43	12° 9	0♎20	7° 4	0°17	5°31	25° 2	14°18	9°35	14° 5	14°51	20°47	15°21	S 13
S 14	23 57 27	27°24'44	16° 7	11°33	1°35	7°44	0°30	5°38	25° 1	14°17	9°36	14° 3	14°48	20°54	15°18	S 14
M15	0 1 23	28°23'53	0♎17	10°50	2°50	8°24	0°43	5°46	24°59	14°16	9°36	14° 2	14°45	21° 1	15°15	M15
T 16	0 5 20	29°23'04	14° 9	9°59	4° 5	9° 4	0°56	5°53	24°58	14°15	9°36	14°D 2	14°42	21° 7	15°13	T 16
W17	0 9 17	0♎22'17	27°41	9° 2	5°20	9°44	1° 9	6° 0	24°57	14°14	9°37	14° 2	14°39	21°14	15°10	W17
T 18	0 13 13	1°21'32	10♏50	7°59	6°35	10°24	1°22	6° 7	24°56	14°13	9°37	14° 3	14°36	21°21	15° 7	T 18
F 19	0 17 10	2°20'49	23°39	6°51	7°50	11° 5	1°36	6°15	24°55	14°12	9°38	14° 4	14°32	21°28	15° 5	F 19
S 20	0 21 6	3°20'08	6♐ 8	5°41	9° 5	11°45	1°49	6°22	24°54	14°11	9°38	14° 5	14°29	21°34	15° 2	S 20
S 21	0 25 3	4°19'29	18°22	4°30	10°20	12°25	2° 2	6°29	24°52	14°10	9°38	14° 6	14°26	21°41	14°59	S 21
M22	0 28 59	5°18'51	0♑24	3°19	11°35	13° 6	2°15	6°36	24°51	14° 9	9°39	14°R 6	14°23	21°48	14°57	M22
T 23	0 32 56	6°18'16	12°19	2°12	12°50	13°46	2°28	6°44	24°50	14° 8	9°39	14° 6	14°20	21°54	14°54	T 23
W24	0 36 52	7°17'42	24°12	1° 9	14° 5	14°27	2°41	6°51	24°48	14° 7	9°39	14° 6	14°16	22° 1	14°52	W24
T 25	0 40 49	8°17'10	6♒ 7	0°13	15°20	15° 7	2°54	6°58	24°47	14° 7	9°39	14° 5	14°13	22° 8	14°49	T 25
F 26	0 44 46	9°16'40	18° 9	29♍25	16°35	15°48	3° 7	7° 6	24°45	14° 6	9°40	14° 5	14°10	22°15	14°47	F 26
S 27	0 48 42	10°16'11	0♓20	28°46	17°50	16°28	3°20	7°13	24°44	14° 5	9°40	14° 4	14° 7	22°21	14°44	S 27
S 28	0 52 39	11°15'45	12°45	28°18	19° 5	17° 9	3°33	7°20	24°42	14° 4	9°40	14° 4	14° 4	22°28	14°42	S 28
M29	0 56 35	12°15'20	25°24	28° 1	20°20	17°50	3°46	7°27	24°40	14° 4	9°40	14° 4	14° 1	22°35	14°39	M29
T 30	1 0 32	13♎14'57	8♈20	27°D55	21♎35	18♎30	3♎59	7♎35	24♉39	14♒ 3	9♋40	14♈ 3	13♈57	22♑41	14♓37	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n 4	7s25	2s24	7s 6	3s11	7n 5	1n24	0n58	0n40	1n58	1n 9	0n26	2n15	18n55	0s14	16s56	0s25	22n51	0s21	5n38	6n 8	27s13	1s12	4n46
T 2	5 41	1 25	1 19	7 27	3 17	6 36	1 24	0 42	0 40	1 53	1 9	0 23	2 15	18 55	0 14	16 57	0 25	22 51	0 21	5 37	6 6	27 11	1 13	4 46
W 3	5 19	4n44	0 10	7 46	3 23	6 6	1 24	0 26	0 39	1 48	1 9	0 20	2 15	18 55	0 14	16 57	0 25	22 51	0 21	5 36	6 5	27 10	1 14	4 46
T 4	4 56	10 47	1n 1	8 2	3 29	5 36	1 23	0 9	0 39	1 43	1 9	0 18	2 15	18 54	0 14	16 58	0 25	22 51	0 21	5 36	6 4	27 9	1 15	4 46
F 5	4 33	16 29	2 10	8 16	3 34	5 6	1 23	0s 7	0 38	1 37	1 9	0 15	2 15	18 54	0 14	16 58	0 25	22 51	0 21	5 37	6 3	27 8	1 16	4 46
S 6	4 9	21 28	3 13	8 28	3 38	4 36	1 22	0 23	0 38	1 32	1 9	0 12	2 15	18 54	0 14	16 58	0 25	22 51	0 21	5 38	6 1	27 7	1 17	4 46
S 7	3 46	25 24	4 7	8 36	3 41	4 6	1 21	0 39	0 37	1 27	1 8	0 9	2 15	18 54	0 14	16 59	0 25	22 51	0 21	5 38	6 0	27 6	1 18	4 45
M 8	3 23	27 54	4 46	8 41	3 44	3 36	1 21	0 56	0 37	1 22	1 8	0 6	2 15	18 54	0 14	16 59	0 25	22 51	0 21	5 38	5 59	27 5	1 20	4 45
T 9	3 0	28 39	5 9	8 43	3 45	3 5	1 20	1 12	0 36	1 17	1 8	0 3	2 15	18 54	0 14	16 59	0 25	22 51	0 21	5 38	5 58	27 4	1 21	4 45
W10	2 36	27 29	5 14	8 41	3 45	2 34	1 19	1 28	0 36	1 11	1 8	0 0	2 15	18 53	0 14	17 0	0 25	22 51	0 21	5 38	5 56	27 3	1 22	4 45
T 11	2 13	24 30	4 59	8 35	3 44	2 4	1 18	1 45	0 35	1 6	1 8	0s 3	2 15	18 53	0 14	17 0	0 25	22 51	0 21	5 37	5 55	27 2	1 23	4 45
F 12	1 49	19 56	4 24	8 25	3 42	1 33	1 17	2 1	0 35	1 1	1 8	0 5	2 15	18 53	0 14	17 0	0 25	22 51	0 21	5 36	5 54	27 0	1 24	4 45
S 13	1 26	14 13	3 33	8 10	3 38	1 2	1 17	2 18	0 34	0 56	1 8	0 8	2 15	18 53	0 14	17 1	0 25	22 51	0 21	5 35	5 53	26 59	1 25	4 45
S 14	1 2	7 47	2 28	7 51	3 32	0 31	1 15	2 34	0 34	0 51	1 8	0 11	2 15	18 53	0 14	17 1	0 25	22 51	0 21	5 34	5 52	26 58	1 26	4 45
M15	0 38	1 2	1 15	7 27	3 25	0 0	1 14	2 50	0 33	0 45	1 8	0 14	2 15	18 52	0 14	17 1	0 25	22 51	0 21	5 34	5 50	26 57	1 28	4 45
T 16	0 15	5s37	0s 1	6 58	3 16	0s31	1 13	3 7	0 33	0 40	1 8	0 17	2 15	18 52	0 14	17 2	0 25	22 51	0 21	5 33	5 49	26 56	1 29	4 45
W17	0s 9	11 51	1 15	6 25	3 5	1 2	1 12	3 23	0 32	0 35	1 8	0 20	2 15	18 52	0 14	17 2	0 25	22 51	0 21	5 34	5 48	26 55	1 30	4 44
T 18	0 33	17 24	2 23	5 48	2 52	1 33	1 11	3 39	0 32	0 30	1 8	0 23	2 15	18 51	0 14	17 2	0 25	22 51	0 20	5 34	5 47	26 53	1 31	4 44
F 19	0 56	22 2	3 22	5 8	2 37	2 3	1 9	3 56	0 31	0 25	1 8	0 26	2 15	18 51	0 14	17 3	0 25	22 51	0 20	5 34	5 45	26 52	1 32	4 44
S 20	1 20	25 32	4 10	4 25	2 20	2 34	1 8	4 12	0 30	0 19	1 8	0 29	2 15	18 51	0 14	17 3	0 25	22 51	0 20	5 35	5 44	26 51	1 33	4 44
S 21	1 44	27 46	4 45	3 40	2 2	3 5	1 7	4 28	0 30	0 14	1 8	0 31	2 15	18 51	0 14	17 3	0 25	22 51	0 20	5 35	5 43	26 50	1 35	4 44
M22	2 7	28 40	5 8	2 54	1 43	3 36	1 5	4 45	0 29	0 9	1 8	0 34	2 15	18 50	0 14	17 3	0 25	22 51	0 20	5 35	5 42	26 49	1 36	4 44
T 23	2 31	28 13	5 16	2 8	1 23	4 7	1 4	5 1	0 29	0 4	1 8	0 37	2 15	18 50	0 14	17 4	0 25	22 52	0 20	5 35	5 40	26 47	1 37	4 44
W24	2 54	26 29	5 12	1 24	1 2	4 38	1 2	5 17	0 28	0s 1	1 8	0 40	2 15	18 50	0 14	17 4	0 25	22 52	0 20	5 35	5 39	26 46	1 38	4 43
T 25	3 18	23 34	4 54	0 43	0 42	5 8	1 0	5 33	0 28	0 7	1 8	0 43	2 15	18 49	0 14	17 4	0 25	22 52	0 20	5 35	5 38	26 45	1 39	4 43
F 26	3 42	19 37	4 23	0 5	0 21	5 39	0 59	5 49	0 27	0 12	1 9	0 46	2 15	18 49	0 14	17 4	0 25	22 52	0 20	5 35	5 37	26 44	1 40	4 43
S 27	4 5	14 49	3 39	0n28	0 2	6 9	0 57	6 6	0 27	0 17	1 9	0 49	2 15	18 48	0 14	17 5	0 25	22 52	0 20	5 34	5 35	26 42	1 41	4 43
S 28	4 29	9 21	2 45	0 56	0n17	6 39	0 55	6 22	0 26	0 22	1 9	0 52	2 15	18 48	0 14	17 5	0 25	22 52	0 20	5 34	5 34	26 41	1 42	4 43
M29	4 52	3 23	1 42	1 19	0 34	7 9	0 53	6 38	0 26	0 27	1 9	0 54	2 15	18 48	0 14	17 5	0 25	22 52	0 20	5 34	5 33	26 40	1 43	4 43
T 30	5s15	2n50	0s32	1n36	0n50	7s39	0n51	6s54	0n25	0s32	1n 9	0s57	2n15	18n47	0s14	17s 5	0s25	22n52	0s20	5n34	5n32	26s38	1s45	4n42

Julian Day Number = 2154487.5, Delta T = 13m50s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°23'59, Lahiri = 12°30'59 Julian Calendar 1 Sept. 1186 == Greg. Calendar 8 Sept. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

OCTOBER 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 4 28	14♎14'36	21♈31	28♍ 0	22♎50	19♎11	4♎12	7♎42	24°R37	14°R 2	9♋40	14°R 3	13♈54	22♉48	14°R35	W 1
T 2	1 8 25	15°14'18	4♉58	28°16	24° 5	19°52	4°24	7°49	24♉35	14♒ 2	9°40	14♈ 3	13°51	22°55	14♓32	T 2
F 3	1 12 21	16°14'01	18°38	28°42	25°20	20°33	4°37	7°57	24°33	14° 1	9°40	14° 3	13°48	23° 2	14°30	F 3
S 4	1 16 18	17°13'47	2♊30	29°17	26°35	21°14	4°50	8° 4	24°31	14° 1	9°R40	14° 3	13°45	23° 8	14°28	S 4
S 5	1 20 15	18°13'35	16°30	0♎ 2	27°50	21°55	5° 3	8°11	24°30	14° 0	9°40	14° 3	13°41	23°15	14°26	S 5
M 6	1 24 11	19°13'26	0♋37	0°54	29° 5	22°36	5°16	8°18	24°28	14° 0	9°40	14° 2	13°38	23°22	14°24	M 6
T 7	1 28 8	20°13'18	14°48	1°53	0♏20	23°17	5°29	8°25	24°26	13°59	9°40	14°D 2	13°35	23°29	14°21	T 7
W 8	1 32 4	21°13'13	29° 1	2°59	1°35	23°58	5°42	8°33	24°24	13°59	9°40	14° 2	13°32	23°35	14°19	W 8
T 9	1 36 1	22°13'11	13♌12	4°10	2°50	24°39	5°55	8°40	24°22	13°59	9°40	14° 2	13°29	23°42	14°17	T 9
F 10	1 39 57	23°13'10	27°21	5°26	4° 5	25°21	6° 7	8°47	24°20	13°58	9°40	14° 3	13°26	23°49	14°15	F 10
S 11	1 43 54	24°13'12	11♍23	6°46	5°20	26° 2	6°20	8°54	24°18	13°58	9°40	14° 4	13°22	23°55	14°13	S 11
S 12	1 47 50	25°13'15	25°18	8° 9	6°35	26°43	6°33	9° 1	24°16	13°58	9°40	14° 5	13°19	24° 2	14°11	S 12
M13	1 51 47	26°13'21	9♎ 2	9°35	7°50	27°25	6°45	9° 8	24°13	13°57	9°39	14°R 5	13°16	24° 9	14° 9	M13
T 14	1 55 43	27°13'29	22°33	11° 3	9° 5	28° 6	6°58	9°15	24°11	13°57	9°39	14° 5	13°13	24°16	14° 7	T 14
W15	1 59 40	28°13'38	5♏48	12°34	10°20	28°47	7°11	9°22	24° 9	13°57	9°39	14° 4	13°10	24°22	14° 6	W15
T 16	2 3 37	29°13'50	18°48	14° 6	11°35	29°29	7°23	9°29	24° 7	13°57	9°39	14° 3	13° 7	24°29	14° 4	T 16
F 17	2 7 33	0♏14'03	1♐31	15°39	12°50	0♏10	7°36	9°36	24° 5	13°57	9°38	14° 0	13° 3	24°36	14° 2	F 17
S 18	2 11 30	1°14'18	13°58	17°14	14° 6	0°52	7°48	9°43	24° 2	13°57	9°38	13°58	13° 0	24°42	14° 0	S 18
S 19	2 15 26	2°14'35	26°12	18°49	15°21	1°34	8° 1	9°50	24° 0	13°57	9°38	13°55	12°57	24°49	13°59	S 19
M20	2 19 23	3°14'53	8♑14	20°25	16°36	2°15	8°13	9°57	23°58	13°D57	9°37	13°53	12°54	24°56	13°57	M20
T 21	2 23 19	4°15'13	20°10	22° 1	17°51	2°57	8°26	10° 4	23°56	13°57	9°37	13°51	12°51	25° 3	13°56	T 21
W22	2 27 16	5°15'34	2♒ 2	23°37	19° 6	3°39	8°38	10°11	23°53	13°57	9°36	13°D50	12°47	25° 9	13°54	W22
T 23	2 31 13	6°15'56	13°56	25°14	20°21	4°21	8°50	10°18	23°51	13°57	9°36	13°50	12°44	25°16	13°53	T 23
F 24	2 35 9	7°16'20	25°56	26°51	21°36	5° 3	9° 3	10°25	23°48	13°57	9°35	13°51	12°41	25°23	13°51	F 24
S 25	2 39 6	8°16'46	8♓ 7	28°28	22°51	5°45	9°15	10°31	23°46	13°57	9°35	13°53	12°38	25°30	13°50	S 25
S 26	2 43 2	9°17'13	20°35	0♏ 4	24° 6	6°27	9°27	10°38	23°44	13°57	9°34	13°55	12°35	25°36	13°49	S 26
M27	2 46 59	10°17'41	3♈21	1°41	25°21	7° 9	9°39	10°45	23°41	13°58	9°34	13°56	12°32	25°43	13°47	M27
T 28	2 50 55	11°18'11	16°28	3°18	26°36	7°51	9°51	10°51	23°39	13°58	9°33	13°R56	12°28	25°50	13°46	T 28
W29	2 54 52	12°18'42	29°58	4°54	27°51	8°33	10° 3	10°58	23°36	13°58	9°33	13°55	12°25	25°56	13°45	W29
T 30	2 58 48	13°19'14	13♉49	6°31	29° 6	9°15	10°15	11° 5	23°34	13°59	9°32	13°53	12°22	26° 3	13°44	T 30
F 31	3 2 45	14♏19'49	27♉58	8♏ 7	0♐21	9♏57	10♎27	11♎11	23♉31	13♒59	9♋32	13♈49	12♈19	26♉10	13♓43	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s38	9n 4	0n41	1n47	1n 5	8s 9	0n49	7s10	0n25	0s37	1n 9	1s 0	2n15	18n47	0s14	17s 5	0s25	22n52	0s20	5n34	5n31	26s37	1s46	4n42
T 2	6 2	15 1	1 53	1 53	1 17	8 39	0 48	7 26	0 24	0 43	1 9	1 3	2 15	18 46	0 14	17 5	0 25	22 52	0 20	5 34	5 29	26 36	1 47	4 42
F 3	6 25	20 20	3 0	1 53	1 29	9 8	0 46	7 42	0 23	0 48	1 9	1 6	2 15	18 46	0 14	17 6	0 25	22 52	0 20	5 34	5 28	26 35	1 48	4 42
S 4	6 48	24 38	3 57	1 47	1 38	9 37	0 44	7 58	0 23	0 53	1 9	1 9	2 15	18 45	0 14	17 6	0 25	22 52	0 20	5 34	5 27	26 33	1 49	4 42
S 5	7 11	27 31	4 41	1 37	1 46	10 6	0 41	8 14	0 22	0 58	1 9	1 11	2 15	18 45	0 14	17 6	0 25	22 52	0 20	5 34	5 26	26 32	1 50	4 41
M 6	7 34	28 41	5 8	1 22	1 53	10 35	0 39	8 30	0 22	1 3	1 9	1 14	2 15	18 45	0 14	17 6	0 25	22 52	0 20	5 34	5 24	26 31	1 51	4 41
T 7	7 56	27 58	5 17	1 3	1 58	11 4	0 37	8 45	0 21	1 8	1 9	1 17	2 15	18 44	0 14	17 6	0 25	22 52	0 19	5 34	5 23	26 29	1 52	4 41
W 8	8 19	25 26	5 6	0 41	2 2	11 32	0 35	9 1	0 21	1 13	1 9	1 20	2 15	18 44	0 14	17 6	0 25	22 52	0 19	5 34	5 22	26 28	1 53	4 41
T 9	8 41	21 21	4 37	0 15	2 5	12 0	0 33	9 17	0 20	1 18	1 9	1 23	2 16	18 43	0 14	17 6	0 25	22 52	0 19	5 34	5 21	26 27	1 54	4 40
F 10	9 4	16 3	3 51	0s14	2 7	12 27	0 31	9 33	0 19	1 23	1 9	1 25	2 16	18 43	0 14	17 7	0 25	22 52	0 19	5 34	5 19	26 25	1 55	4 40
S 11	9 26	9 58	2 51	0 45	2 7	12 55	0 28	9 48	0 19	1 28	1 9	1 28	2 16	18 42	0 14	17 7	0 25	22 52	0 19	5 34	5 18	26 24	1 56	4 40
S 12	9 48	3 26	1 42	1 18	2 7	13 22	0 26	10 4	0 18	1 33	1 9	1 31	2 16	18 42	0 14	17 7	0 25	22 52	0 19	5 35	5 17	26 22	1 57	4 40
M13	10 10	3s10	0 28	1 53	2 6	13 49	0 24	10 19	0 18	1 38	1 9	1 33	2 16	18 41	0 14	17 7	0 25	22 53	0 19	5 35	5 16	26 21	1 58	4 40
T 14	10 32	9 32	0s47	2 30	2 4	14 15	0 21	10 35	0 17	1 43	1 9	1 36	2 16	18 41	0 14	17 7	0 25	22 53	0 19	5 35	5 14	26 20	1 59	4 39
W15	10 54	15 21	1 57	3 7	2 2	14 41	0 19	10 50	0 17	1 48	1 9	1 39	2 16	18 40	0 14	17 7	0 25	22 53	0 19	5 34	5 13	26 18	2 0	4 39
T 16	11 15	20 23	3 0	3 46	1 58	15 7	0 17	11 5	0 16	1 53	1 9	1 42	2 16	18 39	0 14	17 7	0 25	22 53	0 19	5 34	5 12	26 17	2 1	4 39
F 17	11 36	24 21	3 53	4 25	1 55	15 32	0 14	11 21	0 15	1 58	1 9	1 44	2 16	18 39	0 14	17 7	0 25	22 53	0 19	5 33	5 11	26 15	2 1	4 39
S 18	11 57	27 6	4 33	5 6	1 51	15 57	0 12	11 36	0 15	2 3	1 10	1 47	2 16	18 38	0 14	17 7	0 25	22 53	0 19	5 32	5 9	26 14	2 2	4 38
S 19	12 18	28 29	5 0	5 46	1 46	16 22	0 9	11 51	0 14	2 8	1 10	1 50	2 16	18 38	0 14	17 7	0 25	22 53	0 19	5 31	5 8	26 13	2 3	4 38
M20	12 39	28 30	5 13	6 27	1 41	16 46	0 7	12 6	0 14	2 13	1 10	1 52	2 16	18 37	0 14	17 7	0 25	22 53	0 19	5 30	5 7	26 11	2 4	4 38
T 21	13 0	27 11	5 13	7 8	1 36	17 9	0 4	12 21	0 13	2 17	1 10	1 55	2 17	18 37	0 14	17 7	0 25	22 53	0 19	5 29	5 6	26 10	2 5	4 37
W22	13 20	24 39	4 59	7 49	1 30	17 33	0 2	12 36	0 13	2 22	1 10	1 57	2 17	18 36	0 14	17 7	0 25	22 53	0 19	5 29	5 4	26 8	2 6	4 37
T 23	13 40	21 4	4 33	8 30	1 25	17 55	0s 1	12 50	0 12	2 27	1 10	2 0	2 17	18 35	0 14	17 7	0 25	22 53	0 19	5 29	5 3	26 7	2 7	4 37
F 24	14 0	16 36	3 54	9 10	1 19	18 18	0 3	13 5	0 11	2 32	1 10	2 3	2 17	18 35	0 14	17 7	0 25	22 53	0 19	5 29	5 2	26 5	2 7	4 37
S 25	14 20	11 24	3 4	9 51	1 13	18 39	0 5	13 20	0 11	2 36	1 10	2 5	2 17	18 34	0 14	17 7	0 25	22 54	0 18	5 30	5 1	26 4	2 8	4 36
S 26	14 39	5 40	2 5	10 31	1 6	19 1	0 8	13 34	0 10	2 41	1 10	2 8	2 17	18 34	0 14	17 7	0 25	22 54	0 18	5 31	4 59	26 2	2 9	4 36
M27	14 58	0n27	0 58	11 11	1 0	19 21	0 10	13 48	0 10	2 46	1 10	2 10	2 17	18 33	0 14	17 7	0 25	22 54	0 18	5 31	4 58	26 1	2 10	4 36
T 28	15 17	6 43	0n14	11 50	0 53	19 42	0 13	14 3	0 9	2 51	1 10	2 13	2 17	18 32	0 14	17 7	0 25	22 54	0 18	5 31	4 57	25 59	2 10	4 36
W29	15 36	12 52	1 27	12 29	0 47	20 1	0 15	14 17	0 8	2 55	1 10	2 15	2 17	18 32	0 14	17 6	0 25	22 54	0 18	5 31	4 56	25 58	2 11	4 35
T 30	15 54	18 32	2 36	13 7	0 40	20 20	0 18	14 31	0 8	3 0	1 11	2 18	2 18	18 31	0 14	17 6	0 25	22 54	0 18	5 30	4 55	25 56	2 12	4 35
F 31	16s13	23n19	3n37	13s45	0n33	20s39	0s20	14s45	0n 7	3s 4	1n11	2s20	2n18	18n31	0s14	17s 6	0s25	22n54	0s18	5n29	4n53	25s55	2s12	4n35

Julian Day Number = 2154517.5, Delta T = 13m50s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'03, Lahiri = 12°31'04 Julian Calendar 1 Oct. 1186 == Greg. Calendar 8 Oct. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

NOVEMBER 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 6 41	15♏20'25	12♊19	9♏43	1♐36	10♏39	10♎39	11♎18	23°R29	13♒59	9°R31	13°R44	12♈16	26♑17	13°R42	S 1
S 2	3 10 38	16°21'02	26°49	11°18	2°51	11°22	10°50	11°24	23♉26	14° 0	9♋30	13♈39	12°13	26°23	13♓41	S 2
M 3	3 14 35	17°21'42	11♋19	12°54	4° 6	12° 4	11° 2	11°30	23°24	14° 0	9°30	13°35	12° 9	26°30	13°40	M 3
T 4	3 18 31	18°22'23	25°45	14°29	5°21	12°47	11°14	11°37	23°21	14° 1	9°29	13°31	12° 6	26°37	13°39	T 4
W 5	3 22 28	19°23'05	10♌ 2	16° 5	6°36	13°29	11°25	11°43	23°19	14° 1	9°28	13°30	12° 3	26°43	13°39	W 5
T 6	3 26 24	20°23'50	24° 9	17°40	7°51	14°12	11°37	11°49	23°16	14° 2	9°27	13°D29	12° 0	26°50	13°38	T 6
F 7	3 30 21	21°24'36	8♍ 3	19°15	9° 6	14°54	11°48	11°56	23°14	14° 2	9°27	13°30	11°57	26°57	13°37	F 7
S 8	3 34 17	22°25'23	21°44	20°49	10°21	15°37	12° 0	12° 2	23°11	14° 3	9°26	13°32	11°53	27° 4	13°37	S 8
S 9	3 38 14	23°26'12	5♎14	22°24	11°36	16°19	12°11	12° 8	23° 9	14° 4	9°25	13°33	11°50	27°10	13°36	S 9
M10	3 42 11	24°27'03	18°31	23°59	12°51	17° 2	12°22	12°14	23° 6	14° 5	9°24	13°R33	11°47	27°17	13°36	M10
T 11	3 46 7	25°27'55	1♏37	25°33	14° 6	17°45	12°34	12°20	23° 4	14° 5	9°23	13°31	11°44	27°24	13°35	T 11
W12	3 50 4	26°28'48	14°31	27° 7	15°21	18°28	12°45	12°26	23° 1	14° 6	9°22	13°28	11°41	27°30	13°35	W12
T 13	3 54 0	27°29'42	27°14	28°42	16°36	19°10	12°56	12°32	22°59	14° 7	9°21	13°22	11°38	27°37	13°35	T 13
F 14	3 57 57	28°30'38	9♐45	0♐16	17°51	19°53	13° 7	12°37	22°56	14° 8	9°21	13°14	11°34	27°44	13°34	F 14
S 15	4 1 53	29°31'35	22° 5	1°50	19° 6	20°36	13°18	12°43	22°54	14° 9	9°20	13° 5	11°31	27°51	13°34	S 15
S 16	4 5 50	0♐32'33	4♑14	3°24	20°21	21°19	13°28	12°49	22°51	14°10	9°19	12°55	11°28	27°57	13°34	S 16
M17	4 9 46	1°33'32	16°14	4°58	21°36	22° 2	13°39	12°55	22°48	14°10	9°18	12°47	11°25	28° 4	13°34	M17
T 18	4 13 43	2°34'31	28° 8	6°32	22°51	22°45	13°50	13° 0	22°46	14°11	9°17	12°39	11°22	28°11	13°D34	T 18
W19	4 17 40	3°35'31	9♒58	8° 6	24° 6	23°29	14° 0	13° 6	22°44	14°12	9°16	12°34	11°19	28°18	13°34	W19
T 20	4 21 36	4°36'32	21°49	9°41	25°21	24°12	14°11	13°11	22°41	14°13	9°15	12°31	11°15	28°24	13°34	T 20
F 21	4 25 33	5°37'34	3♓46	11°15	26°36	24°55	14°21	13°16	22°39	14°15	9°14	12°D29	11°12	28°31	13°34	F 21
S 22	4 29 29	6°38'36	15°54	12°49	27°51	25°38	14°31	13°22	22°36	14°16	9°13	12°30	11° 9	28°38	13°34	S 22
S 23	4 33 26	7°39'38	28°17	14°23	29° 6	26°21	14°41	13°27	22°34	14°17	9°12	12°31	11° 6	28°44	13°35	S 23
M24	4 37 22	8°40'41	11♈ 2	15°58	0♑20	27° 5	14°51	13°32	22°31	14°18	9°11	12°R32	11° 3	28°51	13°35	M24
T 25	4 41 19	9°41'45	24°11	17°32	1°35	27°48	15° 1	13°37	22°29	14°19	9°10	12°31	10°59	28°58	13°35	T 25
W26	4 45 15	10°42'49	7♉48	19° 7	2°50	28°32	15°11	13°42	22°27	14°20	9° 8	12°28	10°56	29° 5	13°36	W26
T 27	4 49 12	11°43'54	21°52	20°41	4° 5	29°15	15°21	13°47	22°24	14°22	9° 7	12°23	10°53	29°11	13°36	T 27
F 28	4 53 9	12°44'59	6♊21	22°16	5°20	29°59	15°31	13°52	22°22	14°23	9° 6	12°15	10°50	29°18	13°37	F 28
S 29	4 57 5	13°46'05	21° 8	23°50	6°35	0♐42	15°40	13°57	22°20	14°24	9° 5	12° 6	10°47	29°25	13°37	S 29
S 30	5 1 2	14♐47'12	6♋ 6	25♐25	7♑49	1♐26	15♎50	14♎ 2	22♉17	14♒26	9♋ 4	11♈55	10♈44	29♑31	13♓38	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s31	26n46	4n26	14s22	0n27	20s57	0s23	14s59	0n 7	3s 9	1n11	2s22	2n18	18n30	0s14	17s 6	0s25	22n54	0s18	5n27	4n52	25s53	2s13	4n34
S 2	16 48	28 28	4 58	14 59	0 20	21 14	0 25	15 13	0 6	3 13	1 11	2 25	2 18	18 29	0 14	17 6	0 25	22 54	0 18	5 25	4 51	25 52	2 14	4 34
M 3	17 5	28 14	5 11	15 34	0 13	21 31	0 28	15 26	0 5	3 18	1 11	2 27	2 18	18 29	0 14	17 6	0 25	22 54	0 18	5 23	4 50	25 50	2 14	4 34
T 4	17 22	26 4	5 4	16 9	0 6	21 47	0 30	15 40	0 5	3 22	1 11	2 30	2 18	18 28	0 14	17 6	0 25	22 55	0 18	5 22	4 48	25 49	2 15	4 34
W 5	17 39	22 17	4 39	16 44	0s 0	22 3	0 33	15 53	0 4	3 27	1 11	2 32	2 18	18 28	0 14	17 6	0 25	22 55	0 18	5 21	4 47	25 47	2 15	4 33
T 6	17 56	17 15	3 56	17 17	0 7	22 18	0 35	16 7	0 4	3 31	1 11	2 34	2 19	18 27	0 14	17 5	0 25	22 55	0 18	5 21	4 46	25 46	2 16	4 33
F 7	18 12	11 23	3 1	17 50	0 14	22 32	0 38	16 20	0 3	3 36	1 11	2 36	2 19	18 26	0 14	17 5	0 25	22 55	0 18	5 21	4 45	25 44	2 16	4 33
S 8	18 28	5 4	1 56	18 22	0 20	22 46	0 40	16 33	0 2	3 40	1 11	2 39	2 19	18 26	0 14	17 5	0 25	22 55	0 18	5 22	4 43	25 43	2 17	4 32
S 9	18 43	1s24	0 45	18 53	0 27	22 59	0 42	16 46	0 2	3 44	1 12	2 41	2 19	18 25	0 14	17 5	0 25	22 55	0 18	5 22	4 42	25 41	2 17	4 32
M10	18 58	7 42	0s27	19 23	0 33	23 11	0 45	16 59	0 1	3 49	1 12	2 43	2 19	18 24	0 14	17 5	0 25	22 55	0 18	5 22	4 41	25 39	2 18	4 32
T 11	19 13	13 35	1 36	19 52	0 40	23 22	0 47	17 11	0 1	3 53	1 12	2 45	2 19	18 24	0 14	17 4	0 25	22 55	0 17	5 22	4 40	25 38	2 18	4 31
W12	19 27	18 48	2 39	20 21	0 46	23 33	0 49	17 24	0s 0	3 57	1 12	2 48	2 20	18 23	0 14	17 4	0 25	22 55	0 17	5 20	4 38	25 36	2 19	4 31
T 13	19 41	23 6	3 34	20 48	0 52	23 44	0 52	17 36	0 1	4 1	1 12	2 50	2 20	18 23	0 14	17 4	0 25	22 56	0 17	5 18	4 37	25 35	2 19	4 31
F 14	19 55	26 14	4 16	21 14	0 58	23 53	0 54	17 49	0 1	4 5	1 12	2 52	2 20	18 22	0 14	17 4	0 25	22 56	0 17	5 15	4 36	25 33	2 19	4 31
S 15	20 8	28 5	4 47	21 40	1 4	24 2	0 56	18 1	0 2	4 10	1 12	2 54	2 20	18 21	0 14	17 3	0 25	22 56	0 17	5 11	4 35	25 31	2 20	4 30
S 16	20 21	28 32	5 3	22 4	1 9	24 10	0 58	18 13	0 3	4 14	1 13	2 56	2 20	18 21	0 14	17 3	0 25	22 56	0 17	5 8	4 33	25 30	2 20	4 30
M17	20 34	27 37	5 6	22 27	1 15	24 17	1 0	18 25	0 3	4 18	1 13	2 58	2 20	18 20	0 14	17 3	0 25	22 56	0 17	5 4	4 32	25 28	2 20	4 30
T 18	20 46	25 27	4 56	22 49	1 20	24 24	1 3	18 36	0 4	4 22	1 13	3 0	2 21	18 19	0 14	17 3	0 25	22 56	0 17	5 1	4 31	25 26	2 21	4 29
W19	20 58	22 12	4 33	23 10	1 25	24 29	1 5	18 48	0 4	4 26	1 13	3 2	2 21	18 19	0 14	17 2	0 25	22 56	0 17	4 59	4 30	25 25	2 21	4 29
T 20	21 9	18 3	3 58	23 29	1 30	24 34	1 7	18 59	0 5	4 30	1 13	3 4	2 21	18 18	0 14	17 2	0 25	22 56	0 17	4 58	4 28	25 23	2 21	4 29
F 21	21 20	13 9	3 12	23 48	1 35	24 39	1 9	19 10	0 6	4 33	1 13	3 6	2 21	18 18	0 14	17 2	0 25	22 57	0 17	4 57	4 27	25 21	2 22	4 28
S 22	21 31	7 42	2 18	24 5	1 40	24 42	1 11	19 21	0 6	4 37	1 13	3 8	2 21	18 17	0 14	17 1	0 25	22 57	0 17	4 58	4 26	25 20	2 22	4 28
S 23	21 41	1 50	1 16	24 21	1 44	24 45	1 12	19 32	0 7	4 41	1 14	3 10	2 22	18 16	0 14	17 1	0 25	22 57	0 17	4 58	4 25	25 18	2 22	4 28
M24	21 51	4n16	0 8	24 36	1 48	24 47	1 14	19 43	0 8	4 45	1 14	3 11	2 22	18 16	0 14	17 1	0 25	22 57	0 17	4 58	4 23	25 16	2 22	4 27
T 25	22 0	10 23	1n 2	24 49	1 52	24 48	1 16	19 53	0 8	4 49	1 14	3 13	2 22	18 15	0 14	17 0	0 25	22 57	0 17	4 58	4 22	25 15	2 22	4 27
W26	22 9	16 14	2 11	25 1	1 56	24 49	1 18	20 4	0 9	4 52	1 14	3 15	2 22	18 15	0 14	17 0	0 25	22 57	0 17	4 57	4 21	25 13	2 22	4 27
T 27	22 18	21 26	3 14	25 12	1 59	24 49	1 20	20 14	0 9	4 56	1 14	3 17	2 22	18 14	0 14	17 0	0 25	22 57	0 17	4 55	4 20	25 11	2 22	4 27
F 28	22 26	25 30	4 6	25 21	2 2	24 48	1 21	20 24	0 10	4 59	1 14	3 18	2 23	18 13	0 14	16 59	0 25	22 58	0 16	4 52	4 18	25 10	2 22	4 26
S 29	22 33	27 57	4 43	25 29	2 4	24 46	1 23	20 34	0 11	5 3	1 14	3 20	2 23	18 13	0 14	16 59	0 25	22 58	0 16	4 48	4 17	25 8	2 23	4 26
S 30	22s40	28n25	5n 1	25s35	2s 7	24s43	1s24	20s43	0s11	5s 6	1n15	3s22	2n23	18n12	0s14	16s58	0s25	22n58	0s16	4n44	4n16	25s 6	2s23	4n26

Julian Day Number = 2154548.5, Delta T = 13m50s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'07, Lahiri = 12°31'08 Julian Calendar 1 Nov. 1186 == Greg. Calendar 8 Nov. 1186

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ASTRODIENST EPHEMERIS for the year 1186
geocentric

DECEMBER 1186 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 4 58	15♐48'19	21♋ 4	27♐ 0	9♑ 4	2♐10	15♎59	14♎ 6	22°R15	14♒27	9°R 3	11°R46	10♈40	29♑38	13♓39	M 1
T 2	5 8 55	16°49'27	5♌55	28°34	10°19	2°53	16° 8	14°11	22♉13	14°28	9♋ 2	11♈38	10°37	29°45	13°40	T 2
W 3	5 12 51	17°50'35	20°30	0♑ 9	11°34	3°37	16°17	14°16	22°11	14°30	9° 0	11°33	10°34	29°52	13°40	W 3
T 4	5 16 48	18°51'44	4♍45	1°43	12°49	4°21	16°26	14°20	22° 8	14°31	8°59	11°30	10°31	29°58	13°41	T 4
F 5	5 20 44	19°52'54	18°40	3°17	14° 3	5° 5	16°35	14°24	22° 6	14°33	8°58	11°D29	10°28	0♒ 5	13°42	F 5
S 6	5 24 41	20°54'05	2♎13	4°51	15°18	5°49	16°44	14°29	22° 4	14°34	8°57	11°29	10°25	0°12	13°43	S 6
S 7	5 28 38	21°55'16	15°29	6°24	16°33	6°33	16°53	14°33	22° 2	14°36	8°56	11°R29	10°21	0°18	13°44	S 7
M 8	5 32 34	22°56'27	28°28	7°57	17°47	7°17	17° 1	14°37	22° 0	14°37	8°54	11°28	10°18	0°25	13°46	M 8
T 9	5 36 31	23°57'40	11♏14	9°29	19° 2	8° 1	17°10	14°41	21°58	14°39	8°53	11°24	10°15	0°32	13°47	T 9
W10	5 40 27	24°58'52	23°49	11° 1	20°17	8°45	17°18	14°45	21°56	14°40	8°52	11°18	10°12	0°39	13°48	W10
T 11	5 44 24	26° 0'05	6♐14	12°31	21°32	9°29	17°26	14°49	21°54	14°42	8°51	11° 8	10° 9	0°45	13°49	T 11
F 12	5 48 20	27° 1'18	18°31	14° 0	22°46	10°13	17°34	14°52	21°52	14°44	8°49	10°56	10° 5	0°52	13°51	F 12
S 13	5 52 17	28° 2'31	0♑40	15°27	24° 1	10°57	17°42	14°56	21°50	14°45	8°48	10°41	10° 2	0°59	13°52	S 13
S 14	5 56 14	29° 3'45	12°42	16°53	25°15	11°41	17°50	15° 0	21°48	14°47	8°47	10°27	9°59	1° 5	13°53	S 14
M15	6 0 10	0♑ 4'58	24°38	18°16	26°30	12°26	17°58	15° 3	21°46	14°49	8°46	10°12	9°56	1°12	13°55	M15
T 16	6 4 7	1° 6'11	6♒29	19°37	27°45	13°10	18° 5	15° 7	21°44	14°51	8°44	10° 0	9°53	1°19	13°56	T 16
W17	6 8 3	2° 7'24	18°19	20°54	28°59	13°54	18°13	15°10	21°43	14°52	8°43	9°50	9°50	1°26	13°58	W17
T 18	6 12 0	3° 8'36	0♓ 9	22° 8	0♒14	14°39	18°20	15°13	21°41	14°54	8°42	9°43	9°46	1°32	14° 0	T 18
F 19	6 15 56	4° 9'48	12° 3	23°17	1°28	15°23	18°27	15°16	21°39	14°56	8°41	9°39	9°43	1°39	14° 1	F 19
S 20	6 19 53	5°11'00	24° 7	24°21	2°43	16° 8	18°34	15°19	21°38	14°58	8°39	9°38	9°40	1°46	14° 3	S 20
S 21	6 23 49	6°12'11	6♈26	25°19	3°57	16°52	18°41	15°22	21°36	15° 0	8°38	9°37	9°37	1°52	14° 5	S 21
M22	6 27 46	7°13'21	19° 4	26°10	5°11	17°37	18°47	15°25	21°34	15° 2	8°37	9°37	9°34	1°59	14° 7	M22
T 23	6 31 43	8°14'31	2♉ 7	26°54	6°26	18°22	18°54	15°28	21°33	15° 4	8°35	9°36	9°31	2° 6	14° 9	T 23
W24	6 35 39	9°15'40	15°39	27°30	7°40	19° 6	19° 0	15°30	21°31	15° 5	8°34	9°33	9°27	2°13	14°11	W24
T 25	6 39 36	10°16'49	29°41	27°55	8°54	19°51	19° 6	15°33	21°30	15° 7	8°33	9°27	9°24	2°19	14°13	T 25
F 26	6 43 32	11°17'57	14♊13	28°11	10° 9	20°36	19°13	15°35	21°29	15° 9	8°32	9°18	9°21	2°26	14°15	F 26
S 27	6 47 29	12°19'05	29° 9	28°R16	11°23	21°20	19°18	15°38	21°27	15°11	8°30	9° 7	9°18	2°33	14°17	S 27
S 28	6 51 25	13°20'12	14♋22	28° 9	12°37	22° 5	19°24	15°40	21°26	15°13	8°29	8°55	9°15	2°39	14°19	S 28
M29	6 55 22	14°21'18	29°41	27°50	13°51	22°50	19°30	15°42	21°25	15°15	8°28	8°44	9°11	2°46	14°21	M29
T 30	6 59 18	15°22'24	14♌53	27°20	15° 5	23°35	19°35	15°44	21°23	15°17	8°27	8°34	9° 8	2°53	14°23	T 30
W31	7 3 15	16♑23'29	29♌49	26♑39	16♒19	24♐20	19♎41	15♎46	21♉22	15♒19	8♋25	8♈27	9♈ 5	3♒ 0	14♓26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s47	26n49	4n59	25s39	2s 9	24s40	1s26	20s53	0s12	5s10	1n15	3s23	2n23	18n12	0s14	16s58	0s25	22n58	0s16	4n40	4n15	25s 4	2s23	4n25
T 2	22 53	23 20	4 36	25 43	2 10	24 36	1 27	21 2	0 13	5 13	1 15	3 25	2 24	18 11	0 14	16 58	0 25	22 58	0 16	4 37	4 13	25 3	2 23	4 25
W 3	22 59	18 27	3 56	25 44	2 11	24 31	1 29	21 11	0 13	5 17	1 15	3 26	2 24	18 10	0 14	16 57	0 25	22 58	0 16	4 35	4 12	25 1	2 22	4 25
T 4	23 5	12 38	3 2	25 44	2 12	24 25	1 30	21 20	0 14	5 20	1 15	3 28	2 24	18 10	0 14	16 57	0 25	22 58	0 16	4 34	4 11	24 59	2 22	4 24
F 5	23 10	6 19	1 58	25 43	2 12	24 19	1 31	21 29	0 14	5 23	1 16	3 29	2 24	18 9	0 14	16 56	0 25	22 59	0 16	4 34	4 10	24 57	2 22	4 24
S 6	23 14	0s 8	0 49	25 40	2 12	24 12	1 33	21 37	0 15	5 26	1 16	3 31	2 24	18 9	0 14	16 56	0 25	22 59	0 16	4 34	4 8	24 56	2 22	4 24
S 7	23 18	6 27	0s21	25 35	2 11	24 4	1 34	21 45	0 16	5 30	1 16	3 32	2 25	18 8	0 14	16 55	0 25	22 59	0 16	4 34	4 7	24 54	2 22	4 24
M 8	23 21	12 22	1 29	25 28	2 10	23 56	1 35	21 54	0 16	5 33	1 16	3 34	2 25	18 8	0 14	16 55	0 25	22 59	0 16	4 33	4 6	24 52	2 22	4 23
T 9	23 25	17 39	2 31	25 20	2 8	23 46	1 36	22 1	0 17	5 36	1 16	3 35	2 25	18 7	0 14	16 55	0 25	22 59	0 16	4 32	4 5	24 50	2 22	4 23
W10	23 27	22 6	3 24	25 11	2 6	23 36	1 37	22 9	0 18	5 39	1 16	3 36	2 25	18 7	0 14	16 54	0 25	22 59	0 16	4 29	4 3	24 48	2 22	4 23
T 11	23 29	25 30	4 7	24 59	2 2	23 26	1 38	22 16	0 18	5 42	1 17	3 37	2 26	18 6	0 14	16 54	0 25	22 59	0 16	4 25	4 2	24 47	2 21	4 22
F 12	23 31	27 39	4 37	24 46	1 59	23 14	1 39	22 24	0 19	5 45	1 17	3 39	2 26	18 6	0 14	16 53	0 25	23 0	0 16	4 21	4 1	24 45	2 21	4 22
S 13	23 32	28 28	4 55	24 32	1 54	23 2	1 39	22 31	0 20	5 48	1 17	3 40	2 26	18 5	0 14	16 53	0 25	23 0	0 16	4 15	4 0	24 43	2 21	4 22
S 14	23 33	27 54	4 59	24 16	1 48	22 49	1 40	22 37	0 20	5 50	1 17	3 41	2 26	18 5	0 14	16 52	0 25	23 0	0 15	4 9	3 58	24 41	2 21	4 21
M15	23 33	26 3	4 50	23 59	1 42	22 36	1 41	22 44	0 21	5 53	1 17	3 42	2 27	18 4	0 13	16 52	0 25	23 0	0 15	4 4	3 57	24 39	2 20	4 21
T 16	23 33	23 4	4 29	23 40	1 35	22 22	1 41	22 50	0 22	5 56	1 18	3 43	2 27	18 4	0 13	16 51	0 25	23 0	0 15	3 59	3 56	24 38	2 20	4 21
W17	23 32	19 8	3 56	23 21	1 27	22 7	1 42	22 56	0 22	5 58	1 18	3 44	2 27	18 3	0 13	16 51	0 25	23 0	0 15	3 55	3 55	24 36	2 20	4 21
T 18	23 31	14 28	3 12	23 0	1 18	21 51	1 42	23 2	0 23	6 1	1 18	3 45	2 27	18 3	0 13	16 50	0 25	23 0	0 15	3 52	3 53	24 34	2 19	4 20
F 19	23 29	9 14	2 20	22 38	1 8	21 35	1 42	23 8	0 23	6 3	1 18	3 46	2 28	18 3	0 13	16 49	0 25	23 1	0 15	3 50	3 52	24 32	2 19	4 20
S 20	23 27	3 35	1 21	22 16	0 56	21 18	1 43	23 13	0 24	6 6	1 18	3 47	2 28	18 2	0 13	16 49	0 25	23 1	0 15	3 50	3 51	24 30	2 18	4 20
S 21	23 24	2n18	0 17	21 54	0 44	21 1	1 43	23 18	0 25	6 8	1 19	3 48	2 28	18 2	0 13	16 48	0 25	23 1	0 15	3 50	3 50	24 28	2 18	4 20
M22	23 21	8 16	0n50	21 31	0 31	20 43	1 43	23 23	0 25	6 11	1 19	3 49	2 28	18 1	0 13	16 48	0 25	23 1	0 15	3 50	3 48	24 26	2 18	4 19
T 23	23 17	14 4	1 56	21 8	0 16	20 25	1 43	23 28	0 26	6 13	1 19	3 50	2 29	18 1	0 13	16 47	0 25	23 1	0 15	3 49	3 47	24 24	2 17	4 19
W24	23 13	19 26	2 58	20 46	0 1	20 5	1 43	23 32	0 27	6 15	1 19	3 50	2 29	18 1	0 13	16 47	0 25	23 1	0 15	3 48	3 46	24 23	2 17	4 19
T 25	23 9	23 56	3 51	20 25	0n15	19 46	1 43	23 37	0 27	6 17	1 20	3 51	2 29	18 0	0 13	16 46	0 25	23 1	0 15	3 45	3 45	24 21	2 16	4 18
F 26	23 4	27 7	4 32	20 5	0 33	19 26	1 42	23 41	0 28	6 19	1 20	3 52	2 29	18 0	0 13	16 46	0 25	23 2	0 15	3 42	3 43	24 19	2 15	4 18
S 27	22 58	28 28	4 55	19 46	0 51	19 5	1 42	23 44	0 29	6 21	1 20	3 53	2 30	18 0	0 13	16 45	0 25	23 2	0 15	3 38	3 42	24 17	2 15	4 18
S 28	22 53	27 43	4 59	19 30	1 9	18 43	1 42	23 48	0 29	6 23	1 20	3 53	2 30	17 59	0 13	16 44	0 25	23 2	0 15	3 33	3 41	24 15	2 14	4 18
M29	22 46	24 52	4 40	19 15	1 28	18 22	1 41	23 51	0 30	6 25	1 20	3 54	2 30	17 59	0 13	16 44	0 25	23 2	0 15	3 28	3 40	24 13	2 14	4 17
T 30	22 39	20 18	4 2	19 2	1 47	17 59	1 41	23 54	0 31	6 27	1 21	3 54	2 31	17 59	0 13	16 43	0 25	23 2	0 14	3 25	3 38	24 11	2 13	4 17
W31	22s32	14n31	3n 8	18s52	2n 5	17s36	1s40	23s57	0s31	6s29	1n21	3s55	2n31	17n58	0s13	16s43	0s25	23n 2	0s14	3n22	3n37	24s 9	2s12	4n17

Julian Day Number = 2154578.5, Delta T = 13m50s
Ecliptic obliquity = 23°32'49, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'11, Lahiri = 12°31'12 Julian Calendar 1 Dec. 1186 == Greg. Calendar 8 Dec. 1186

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

JANUARY 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 7 12	17♉24'34	14♍23	25°R47	17♒34	25♐ 5	19♎46	15♎48	21°R21	15♒21	8°R24	8°R23	9♈ 2	3♒ 6	14♓28	T 1
F 2	7 11 8	18°25'39	28°29	24♉47	18°48	25°50	19°51	15°50	21♉20	15°23	8♋23	8♈21	8°59	3°13	14°30	F 2
S 3	7 15 5	19°26'43	12♎ 9	23°39	20° 2	26°35	19°55	15°51	21°19	15°26	8°21	8°21	8°56	3°20	14°33	S 3
S 4	7 19 1	20°27'46	25°25	22°26	21°15	27°20	20° 0	15°53	21°18	15°28	8°20	8°21	8°52	3°26	14°35	S 4
M 5	7 22 58	21°28'49	8♏19	21°10	22°29	28° 5	20° 5	15°54	21°17	15°30	8°19	8°20	8°49	3°33	14°38	M 5
T 6	7 26 54	22°29'52	20°56	19°53	23°43	28°50	20° 9	15°55	21°16	15°32	8°18	8°17	8°46	3°40	14°40	T 6
W 7	7 30 51	23°30'54	3♐19	18°38	24°57	29°35	20°13	15°57	21°16	15°34	8°16	8°10	8°43	3°47	14°43	W 7
T 8	7 34 47	24°31'55	15°31	17°27	26°11	0♑21	20°17	15°58	21°15	15°36	8°15	8° 1	8°40	3°53	14°45	T 8
F 9	7 38 44	25°32'56	27°36	16°21	27°25	1° 6	20°21	15°59	21°14	15°38	8°14	7°50	8°37	4° 0	14°48	F 9
S 10	7 42 41	26°33'55	9♑36	15°22	28°38	1°51	20°24	16° 0	21°13	15°41	8°13	7°36	8°33	4° 7	14°51	S 10
S 11	7 46 37	27°34'54	21°31	14°31	29°52	2°37	20°28	16° 1	21°13	15°43	8°12	7°22	8°30	4°13	14°53	S 11
M12	7 50 34	28°35'52	3♒23	13°48	1♓ 5	3°22	20°31	16° 1	21°12	15°45	8°10	7° 9	8°27	4°20	14°56	M12
T 13	7 54 30	29°36'48	15°13	13°13	2°19	4° 7	20°34	16° 2	21°12	15°47	8° 9	6°57	8°24	4°27	14°59	T 13
W14	7 58 27	0♒37'44	27° 4	12°48	3°33	4°53	20°37	16° 2	21°11	15°49	8° 8	6°47	8°21	4°34	15° 2	W14
T 15	8 2 23	1°38'38	8♓57	12°31	4°46	5°38	20°40	16° 3	21°11	15°52	8° 7	6°41	8°17	4°40	15° 5	T 15
F 16	8 6 20	2°39'31	20°54	12°22	5°59	6°24	20°42	16° 3	21°10	15°54	8° 6	6°37	8°14	4°47	15° 8	F 16
S 17	8 10 17	3°40'22	3♈ 0	12°D21	7°13	7° 9	20°45	16° 3	21°10	15°56	8° 5	6°D36	8°11	4°54	15°11	S 17
S 18	8 14 13	4°41'12	15°18	12°27	8°26	7°55	20°47	16°R 3	21°10	15°58	8° 3	6°36	8° 8	5° 0	15°13	S 18
M19	8 18 10	5°42'00	27°54	12°40	9°39	8°41	20°49	16° 3	21°10	16° 0	8° 2	6°37	8° 5	5° 7	15°16	M19
T 20	8 22 6	6°42'47	10♉50	13° 0	10°52	9°26	20°51	16° 3	21°10	16° 3	8° 1	6°R37	8° 2	5°14	15°20	T 20
W21	8 26 3	7°43'32	24°13	13°25	12° 5	10°12	20°52	16° 3	21° 9	16° 5	8° 0	6°35	7°58	5°20	15°23	W21
T 22	8 29 59	8°44'16	8♊ 4	13°56	13°18	10°58	20°54	16° 2	21°D 9	16° 7	7°59	6°32	7°55	5°27	15°26	T 22
F 23	8 33 56	9°44'58	22°25	14°31	14°31	11°43	20°55	16° 2	21° 9	16°10	7°58	6°26	7°52	5°34	15°29	F 23
S 24	8 37 52	10°45'38	7♋12	15°12	15°44	12°29	20°56	16° 1	21° 9	16°12	7°57	6°18	7°49	5°41	15°32	S 24
S 25	8 41 49	11°46'17	22°20	15°56	16°57	13°15	20°57	16° 1	21°10	16°14	7°56	6°10	7°46	5°47	15°35	S 25
M26	8 45 46	12°46'54	7♌39	16°44	18°10	14° 1	20°57	16° 0	21°10	16°16	7°55	6° 1	7°43	5°54	15°38	M26
T 27	8 49 42	13°47'30	22°58	17°36	19°22	14°46	20°58	15°59	21°10	16°19	7°54	5°54	7°39	6° 1	15°42	T 27
W28	8 53 39	14°48'04	8♍ 6	18°31	20°35	15°32	20°58	15°58	21°10	16°21	7°53	5°49	7°36	6° 7	15°45	W28
T 29	8 57 35	15°48'36	22°53	19°29	21°47	16°18	20°R58	15°57	21°11	16°23	7°52	5°46	7°33	6°14	15°48	T 29
F 30	9 1 32	16°49'07	7♎14	20°30	23° 0	17° 4	20°58	15°56	21°11	16°25	7°51	5°D45	7°30	6°21	15°52	F 30
S 31	9 5 28	17♒49'37	21♎ 7	21♉33	24♓12	17♉50	20♎58	15♎54	21♉11	16♒28	7♋50	5♈46	7♈27	6♒28	15♓55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s24	8n 4	2n 3	18s45	2n23	17s13	1s40	23s59	0s32	6s31	1n21	3s55	2n31	17n58	0s13	16s42	0s25	23n 2	0s14	3n20	3n36	24s 7	2s12	4n17
F 2	22 16	1 24	0 52	18 39	2 39	16 49	1 39	24 1	0 33	6 32	1 21	3 56	2 31	17 58	0 13	16 41	0 25	23 3	0 14	3 20	3 35	24 5	2 11	4 16
S 3	22 8	5s 8	0s20	18 37	2 54	16 25	1 38	24 3	0 33	6 34	1 22	3 56	2 32	17 58	0 13	16 41	0 25	23 3	0 14	3 19	3 33	24 3	2 10	4 16
S 4	21 59	11 15	1 29	18 36	3 7	16 1	1 37	24 5	0 34	6 36	1 22	3 56	2 32	17 57	0 13	16 40	0 25	23 3	0 14	3 19	3 32	24 1	2 10	4 16
M 5	21 49	16 44	2 31	18 37	3 17	15 35	1 36	24 6	0 34	6 37	1 22	3 57	2 32	17 57	0 13	16 40	0 25	23 3	0 14	3 19	3 31	23 59	2 9	4 16
T 6	21 40	21 21	3 25	18 41	3 26	15 10	1 35	24 8	0 35	6 38	1 22	3 57	2 32	17 57	0 13	16 39	0 25	23 3	0 14	3 18	3 29	23 57	2 8	4 15
W 7	21 29	24 58	4 8	18 45	3 31	14 44	1 34	24 9	0 36	6 40	1 22	3 57	2 33	17 57	0 13	16 38	0 25	23 3	0 14	3 15	3 28	23 55	2 7	4 15
T 8	21 19	27 22	4 38	18 52	3 34	14 18	1 32	24 9	0 36	6 41	1 23	3 57	2 33	17 57	0 13	16 38	0 25	23 3	0 14	3 12	3 27	23 53	2 7	4 15
F 9	21 8	28 27	4 56	18 59	3 35	13 51	1 31	24 10	0 37	6 42	1 23	3 57	2 33	17 56	0 13	16 37	0 25	23 4	0 14	3 7	3 26	23 51	2 6	4 15
S 10	20 56	28 12	5 0	19 7	3 34	13 24	1 30	24 10	0 38	6 43	1 23	3 58	2 34	17 56	0 13	16 36	0 25	23 4	0 14	3 2	3 24	23 49	2 5	4 14
S 11	20 44	26 37	4 52	19 16	3 30	12 57	1 28	24 10	0 38	6 44	1 23	3 58	2 34	17 56	0 13	16 36	0 25	23 4	0 14	2 56	3 23	23 47	2 4	4 14
M12	20 32	23 52	4 30	19 26	3 25	12 29	1 27	24 9	0 39	6 45	1 24	3 58	2 34	17 56	0 13	16 35	0 25	23 4	0 14	2 51	3 22	23 45	2 3	4 14
T 13	20 19	20 7	3 57	19 36	3 18	12 1	1 25	24 8	0 40	6 46	1 24	3 58	2 34	17 56	0 13	16 34	0 25	23 4	0 14	2 46	3 21	23 43	2 2	4 14
W14	20 6	15 34	3 14	19 46	3 11	11 33	1 23	24 8	0 40	6 47	1 24	3 57	2 35	17 56	0 13	16 34	0 25	23 4	0 13	2 42	3 19	23 41	2 2	4 14
T 15	19 53	10 26	2 22	19 56	3 2	11 4	1 22	24 6	0 41	6 48	1 24	3 57	2 35	17 56	0 13	16 33	0 25	23 4	0 13	2 40	3 18	23 39	2 1	4 13
F 16	19 39	4 53	1 23	20 7	2 52	10 35	1 20	24 5	0 41	6 49	1 25	3 57	2 35	17 56	0 13	16 32	0 25	23 5	0 13	2 38	3 17	23 37	2 0	4 13
S 17	19 25	0n54	0 19	20 17	2 42	10 6	1 18	24 3	0 42	6 49	1 25	3 57	2 36	17 56	0 13	16 32	0 25	23 5	0 13	2 38	3 16	23 35	1 59	4 13
S 18	19 11	6 46	0n46	20 27	2 31	9 37	1 16	24 1	0 43	6 50	1 25	3 57	2 36	17 55	0 13	16 31	0 25	23 5	0 13	2 38	3 14	23 33	1 58	4 13
M19	18 56	12 30	1 51	20 37	2 20	9 7	1 14	23 59	0 43	6 51	1 25	3 56	2 36	17 55	0 13	16 30	0 25	23 5	0 13	2 38	3 13	23 31	1 57	4 13
T 20	18 41	17 52	2 52	20 47	2 9	8 37	1 11	23 56	0 44	6 51	1 26	3 56	2 36	17 55	0 13	16 30	0 25	23 5	0 13	2 38	3 12	23 29	1 56	4 12
W21	18 25	22 34	3 46	20 56	1 57	8 7	1 9	23 54	0 45	6 51	1 26	3 56	2 37	17 55	0 13	16 29	0 25	23 5	0 13	2 38	3 11	23 27	1 55	4 12
T 22	18 9	26 10	4 29	21 4	1 46	7 37	1 7	23 51	0 45	6 52	1 26	3 55	2 37	17 55	0 13	16 28	0 25	23 5	0 13	2 36	3 9	23 25	1 54	4 12
F 23	17 53	28 16	4 56	21 11	1 34	7 7	1 4	23 47	0 46	6 52	1 26	3 55	2 37	17 55	0 13	16 28	0 25	23 6	0 13	2 34	3 8	23 23	1 53	4 12
S 24	17 37	28 26	5 5	21 18	1 23	6 36	1 2	23 44	0 46	6 52	1 27	3 55	2 37	17 55	0 13	16 27	0 25	23 6	0 13	2 31	3 7	23 21	1 52	4 12
S 25	17 20	26 30	4 53	21 24	1 12	6 5	0 59	23 40	0 47	6 52	1 27	3 54	2 38	17 56	0 13	16 26	0 25	23 6	0 13	2 27	3 6	23 19	1 51	4 11
M26	17 3	22 38	4 20	21 29	1 1	5 34	0 57	23 36	0 48	6 52	1 27	3 53	2 38	17 56	0 13	16 26	0 25	23 6	0 13	2 24	3 4	23 16	1 50	4 11
T 27	16 46	17 12	3 29	21 34	0 50	5 3	0 54	23 31	0 48	6 52	1 27	3 53	2 38	17 56	0 13	16 25	0 25	23 6	0 13	2 21	3 3	23 14	1 48	4 11
W28	16 28	10 47	2 23	21 37	0 39	4 32	0 51	23 27	0 49	6 52	1 28	3 52	2 39	17 56	0 13	16 24	0 25	23 6	0 13	2 19	3 2	23 12	1 47	4 11
T 29	16 10	3 53	1 9	21 39	0 29	4 1	0 49	23 22	0 49	6 52	1 28	3 52	2 39	17 56	0 13	16 24	0 25	23 6	0 12	2 18	3 1	23 10	1 46	4 11
F 30	15 52	3s 0	0s 8	21 40	0 19	3 30	0 46	23 17	0 50	6 52	1 28	3 51	2 39	17 56	0 13	16 23	0 25	23 6	0 12	2 18	2 59	23 8	1 45	4 11
S 31	15s33	9s32	1s22	21s40	0n 9	2s58	0s43	23s11	0s51	6s51	1n28	3s50	2n39	17n56	0s13	16s22	0s25	23n 7	0s12	2n18	2n58	23s 6	1s44	4n10

Julian Day Number = 2154609.5, Delta T = 13m50s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'16, Lahiri = 12°31'16 Julian Calendar 1 Jan. 1187 == Greg. Calendar 8 Jan. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

FEBRUARY 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 9 25	18♒50'06	4♏32	22♉38	25♓24	18♉36	20°R58	15°R53	21♉12	16♒30	7°R49	5♈47	7♈23	6♒34	15♓58	S 1
M 2	9 13 21	19°50'33	17°31	23°46	26°36	19°22	20♎57	15♎51	21°12	16°32	7♋48	5°R48	7°20	6°41	16° 2	M 2
T 3	9 17 18	20°50'59	0♐ 9	24°56	27°48	20° 8	20°56	15°50	21°13	16°35	7°47	5°48	7°17	6°48	16° 5	T 3
W 4	9 21 15	21°51'23	12°30	26° 8	29° 0	20°54	20°55	15°48	21°14	16°37	7°46	5°45	7°14	6°54	16° 8	W 4
T 5	9 25 11	22°51'46	24°38	27°22	0♈12	21°40	20°54	15°46	21°14	16°39	7°45	5°41	7°11	7° 1	16°12	T 5
F 6	9 29 8	23°52'08	6♉37	28°37	1°24	22°26	20°52	15°45	21°15	16°41	7°45	5°35	7° 8	7° 8	16°15	F 6
S 7	9 33 4	24°52'28	18°31	29°54	2°36	23°12	20°51	15°43	21°16	16°44	7°44	5°28	7° 4	7°14	16°19	S 7
S 8	9 37 1	25°52'46	0♒22	1♒13	3°48	23°58	20°49	15°40	21°17	16°46	7°43	5°20	7° 1	7°21	16°22	S 8
M 9	9 40 57	26°53'03	12°12	2°33	4°59	24°44	20°47	15°38	21°18	16°48	7°42	5°12	6°58	7°28	16°26	M 9
T 10	9 44 54	27°53'17	24° 4	3°54	6°11	25°31	20°45	15°36	21°19	16°50	7°41	5° 5	6°55	7°35	16°29	T 10
W11	9 48 50	28°53'30	5♓59	5°17	7°22	26°17	20°42	15°34	21°20	16°53	7°41	5° 0	6°52	7°41	16°33	W11
T 12	9 52 47	29°53'41	17°59	6°41	8°33	27° 3	20°40	15°31	21°21	16°55	7°40	4°57	6°49	7°48	16°37	T 12
F 13	9 56 44	0♓53'51	0♈ 6	8° 7	9°44	27°49	20°37	15°29	21°22	16°57	7°39	4°D55	6°45	7°55	16°40	F 13
S 14	10 0 40	1°53'58	12°21	9°33	10°55	28°35	20°34	15°26	21°23	16°59	7°39	4°55	6°42	8° 1	16°44	S 14
S 15	10 4 37	2°54'03	24°48	11° 1	12° 6	29°22	20°31	15°23	21°24	17° 2	7°38	4°57	6°39	8° 8	16°47	S 15
M16	10 8 33	3°54'06	7♉30	12°30	13°17	0♒ 8	20°28	15°21	21°26	17° 4	7°37	4°58	6°36	8°15	16°51	M16
T 17	10 12 30	4°54'06	20°29	14° 1	14°28	0°54	20°25	15°18	21°27	17° 6	7°37	5° 0	6°33	8°22	16°55	T 17
W18	10 16 26	5°54'05	3♊48	15°32	15°38	1°41	20°21	15°15	21°28	17° 8	7°36	5°R 1	6°29	8°28	16°58	W18
T 19	10 20 23	6°54'02	17°31	17° 5	16°49	2°27	20°17	15°12	21°30	17°10	7°35	5° 0	6°26	8°35	17° 2	T 19
F 20	10 24 19	7°53'56	1♋37	18°39	17°59	3°13	20°13	15° 9	21°31	17°13	7°35	4°59	6°23	8°42	17° 5	F 20
S 21	10 28 16	8°53'48	16° 7	20°14	19° 9	3°59	20° 9	15° 5	21°33	17°15	7°34	4°56	6°20	8°48	17° 9	S 21
S 22	10 32 13	9°53'37	0♌55	21°51	20°19	4°46	20° 5	15° 2	21°34	17°17	7°34	4°52	6°17	8°55	17°13	S 22
M23	10 36 9	10°53'25	15°56	23°28	21°29	5°32	20° 1	14°59	21°36	17°19	7°33	4°49	6°14	9° 2	17°16	M23
T 24	10 40 6	11°53'10	1♍ 1	25° 7	22°39	6°19	19°56	14°55	21°37	17°21	7°33	4°46	6°10	9° 8	17°20	T 24
W25	10 44 2	12°52'53	16° 1	26°47	23°49	7° 5	19°51	14°52	21°39	17°23	7°32	4°44	6° 7	9°15	17°24	W25
T 26	10 47 59	13°52'34	0♎48	28°28	24°58	7°51	19°46	14°48	21°41	17°25	7°32	4°D43	6° 4	9°22	17°27	T 26
F 27	10 51 55	14°52'13	15°13	0♓10	26° 8	8°38	19°41	14°45	21°43	17°27	7°32	4°43	6° 1	9°29	17°31	F 27
S 28	10 55 52	15♓51'50	29♎14	1♓53	27♈17	9♒24	19♎36	14♎41	21♉44	17♒29	7♋31	4♈44	5♈58	9♒35	17♓35	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s15	15s25	2s29	21s39	0s 1	2s27	0s40	23s 6	0s51	6s51	1n29	3s49	2n40	17n56	0s13	16s22	0s25	23n 7	0s12	2n19	2n57	23s 4	1s43	4n10
M 2	14 56	20 26	3 26	21 37	0 10	1 55	0 37	23 0	0 52	6 50	1 29	3 49	2 40	17 56	0 13	16 21	0 25	23 7	0 12	2 19	2 55	23 2	1 42	4 10
T 3	14 37	24 22	4 11	21 33	0 19	1 23	0 34	22 54	0 52	6 50	1 29	3 48	2 40	17 57	0 13	16 20	0 25	23 7	0 12	2 19	2 54	22 59	1 40	4 10
W 4	14 17	27 5	4 44	21 29	0 28	0 52	0 31	22 47	0 53	6 49	1 29	3 47	2 40	17 57	0 12	16 20	0 25	23 7	0 12	2 18	2 53	22 57	1 39	4 10
T 5	13 57	28 29	5 3	21 23	0 37	0 20	0 27	22 41	0 54	6 49	1 29	3 46	2 41	17 57	0 12	16 19	0 25	23 7	0 12	2 16	2 52	22 55	1 38	4 10
F 6	13 37	28 31	5 9	21 15	0 45	0n12	0 24	22 34	0 54	6 48	1 30	3 45	2 41	17 57	0 12	16 18	0 25	23 7	0 12	2 14	2 50	22 53	1 37	4 10
S 7	13 17	27 14	5 1	21 7	0 52	0 43	0 21	22 27	0 55	6 47	1 30	3 44	2 41	17 57	0 12	16 18	0 25	23 7	0 12	2 11	2 49	22 51	1 36	4 9
S 8	12 57	24 43	4 40	20 57	1 0	1 15	0 17	22 19	0 55	6 46	1 30	3 43	2 41	17 58	0 12	16 17	0 25	23 8	0 12	2 8	2 48	22 48	1 34	4 9
M 9	12 36	21 10	4 7	20 46	1 7	1 47	0 14	22 11	0 56	6 45	1 30	3 42	2 42	17 58	0 12	16 16	0 25	23 8	0 12	2 4	2 47	22 46	1 33	4 9
T 10	12 16	16 45	3 24	20 34	1 14	2 18	0 10	22 4	0 57	6 44	1 31	3 41	2 42	17 58	0 12	16 16	0 25	23 8	0 12	2 2	2 45	22 44	1 32	4 9
W11	11 55	11 41	2 31	20 20	1 20	2 50	0 7	21 55	0 57	6 43	1 31	3 40	2 42	17 59	0 12	16 15	0 25	23 8	0 12	2 0	2 44	22 42	1 31	4 9
T 12	11 34	6 10	1 31	20 5	1 26	3 21	0 3	21 47	0 58	6 42	1 31	3 39	2 42	17 59	0 12	16 14	0 25	23 8	0 12	1 58	2 43	22 40	1 29	4 9
F 13	11 12	0 22	0 26	19 48	1 32	3 53	0n 0	21 38	0 58	6 41	1 31	3 37	2 42	17 59	0 12	16 14	0 25	23 8	0 11	1 58	2 42	22 37	1 28	4 9
S 14	10 51	5n32	0n41	19 30	1 38	4 24	0 4	21 30	0 59	6 39	1 31	3 36	2 43	17 59	0 12	16 13	0 25	23 8	0 11	1 58	2 40	22 35	1 27	4 9
S 15	10 29	11 18	1 47	19 11	1 43	4 55	0 8	21 21	0 59	6 38	1 32	3 35	2 43	18 0	0 12	16 12	0 25	23 8	0 11	1 58	2 39	22 33	1 26	4 8
M16	10 7	16 44	2 49	18 51	1 47	5 26	0 11	21 11	1 0	6 37	1 32	3 34	2 43	18 0	0 12	16 12	0 25	23 8	0 11	1 59	2 38	22 31	1 24	4 8
T 17	9 45	21 33	3 44	18 29	1 52	5 58	0 15	21 2	1 0	6 35	1 32	3 32	2 43	18 1	0 12	16 11	0 25	23 8	0 11	2 0	2 37	22 29	1 23	4 8
W18	9 23	25 24	4 29	18 5	1 56	6 28	0 19	20 52	1 1	6 34	1 32	3 31	2 44	18 1	0 12	16 10	0 25	23 9	0 11	2 0	2 35	22 26	1 22	4 8
T 19	9 1	27 55	4 59	17 40	1 59	6 59	0 23	20 42	1 1	6 32	1 33	3 30	2 44	18 1	0 12	16 10	0 25	23 9	0 11	2 0	2 34	22 24	1 20	4 8
F 20	8 39	28 45	5 13	17 14	2 2	7 30	0 27	20 32	1 2	6 30	1 33	3 28	2 44	18 2	0 12	16 9	0 25	23 9	0 11	1 59	2 33	22 22	1 19	4 8
S 21	8 16	27 40	5 8	16 47	2 5	8 0	0 31	20 21	1 3	6 29	1 33	3 27	2 44	18 2	0 12	16 8	0 25	23 9	0 11	1 58	2 32	22 20	1 18	4 8
S 22	7 54	24 38	4 42	16 18	2 7	8 30	0 34	20 11	1 3	6 27	1 33	3 25	2 44	18 3	0 12	16 8	0 25	23 9	0 11	1 57	2 30	22 17	1 16	4 8
M23	7 31	19 54	3 57	15 47	2 9	9 0	0 38	20 0	1 4	6 25	1 33	3 24	2 44	18 3	0 12	16 7	0 25	23 9	0 11	1 55	2 29	22 15	1 15	4 8
T 24	7 8	13 53	2 55	15 16	2 11	9 30	0 42	19 49	1 4	6 23	1 33	3 23	2 45	18 3	0 12	16 7	0 25	23 9	0 11	1 54	2 28	22 13	1 13	4 8
W25	6 45	7 5	1 41	14 42	2 12	10 0	0 46	19 38	1 5	6 21	1 34	3 21	2 45	18 4	0 12	16 6	0 26	23 9	0 11	1 53	2 26	22 10	1 12	4 8
T 26	6 22	0 1	0 22	14 8	2 12	10 29	0 50	19 26	1 5	6 19	1 34	3 20	2 45	18 4	0 12	16 5	0 26	23 9	0 11	1 53	2 25	22 8	1 11	4 8
F 27	5 59	6s54	0s58	13 32	2 13	10 59	0 54	19 14	1 6	6 17	1 34	3 18	2 45	18 5	0 12	16 5	0 26	23 9	0 11	1 53	2 24	22 6	1 9	4 7
S 28	5s36	13s18	2s11	12s54	2s12	11n27	0n58	19s 3	1s 6	6s15	1n34	3s16	2n45	18n 5	0s12	16s 4	0s26	23n10	0s10	1n54	2n23	22s 4	1s 8	4n 7

Julian Day Number = 2154640.5, Delta T = 13m49s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'20, Lahiri = 12°31'20 Julian Calendar 1 Feb. 1187 == Greg. Calendar 8 Feb. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

MARCH 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 59 48	16♓51'25	12♏48	3♓38	28♈26	10♒10	19°R31	14°R37	21♉46	17♒31	7°R31	4♈46	5♈54	9♒42	17♓39	S 1
M 2	11 3 45	17°50'59	25°56	5°24	29°35	10°57	19♎25	14♎34	21°48	17°34	7♋31	4°47	5°51	9°49	17°42	M 2
T 3	11 7 41	18°50'31	8♐41	7°12	0♉44	11°43	19°20	14°30	21°50	17°36	7°30	4°48	5°48	9°55	17°46	T 3
W 4	11 11 38	19°50'01	21° 6	9° 0	1°52	12°30	19°14	14°26	21°52	17°38	7°30	4°R48	5°45	10° 2	17°50	W 4
T 5	11 15 35	20°49'29	3♑16	10°50	3° 1	13°16	19° 8	14°22	21°54	17°40	7°30	4°48	5°42	10° 9	17°53	T 5
F 6	11 19 31	21°48'56	15°14	12°41	4° 9	14° 3	19° 2	14°18	21°56	17°42	7°30	4°47	5°39	10°15	17°57	F 6
S 7	11 23 28	22°48'21	27° 7	14°34	5°17	14°49	18°56	14°14	21°58	17°43	7°29	4°45	5°35	10°22	18° 1	S 7
S 8	11 27 24	23°47'43	8♒57	16°27	6°25	15°36	18°50	14°10	22° 1	17°45	7°29	4°44	5°32	10°29	18° 4	S 8
M 9	11 31 21	24°47'04	20°48	18°22	7°33	16°22	18°43	14° 6	22° 3	17°47	7°29	4°42	5°29	10°36	18° 8	M 9
T 10	11 35 17	25°46'23	2♓43	20°19	8°40	17° 9	18°37	14° 1	22° 5	17°49	7°29	4°41	5°26	10°42	18°12	T 10
W11	11 39 14	26°45'40	14°44	22°16	9°48	17°55	18°30	13°57	22° 7	17°51	7°29	4°40	5°23	10°49	18°15	W11
T 12	11 43 10	27°44'55	26°55	24°15	10°55	18°42	18°24	13°53	22°10	17°53	7°29	4°39	5°20	10°56	18°19	T 12
F 13	11 47 7	28°44'07	9♈15	26°15	12° 2	19°28	18°17	13°48	22°12	17°55	7°29	4°D39	5°16	11° 2	18°23	F 13
S 14	11 51 4	29°43'18	21°47	28°16	13° 9	20°14	18°10	13°44	22°15	17°57	7°29	4°40	5°13	11° 9	18°26	S 14
S 15	11 55 0	0♈42'26	4♉32	0♈18	14°16	21° 1	18° 3	13°40	22°17	17°58	7°D29	4°40	5°10	11°16	18°30	S 15
M16	11 58 57	1°41'32	17°30	2°21	15°22	21°47	17°56	13°35	22°19	18° 0	7°29	4°40	5° 7	11°22	18°34	M16
T 17	12 2 53	2°40'36	0♊42	4°24	16°28	22°34	17°49	13°31	22°22	18° 2	7°29	4°41	5° 4	11°29	18°37	T 17
W18	12 6 50	3°39'38	14°10	6°29	17°34	23°20	17°42	13°26	22°25	18° 4	7°29	4°41	5° 0	11°36	18°41	W18
T 19	12 10 46	4°38'38	27°54	8°34	18°40	24° 7	17°34	13°22	22°27	18° 5	7°29	4°41	4°57	11°42	18°44	T 19
F 20	12 14 43	5°37'35	11♋54	10°39	19°45	24°53	17°27	13°17	22°30	18° 7	7°29	4°41	4°54	11°49	18°48	F 20
S 21	12 18 39	6°36'29	26° 8	12°43	20°51	25°40	17°20	13°13	22°32	18° 9	7°29	4°41	4°51	11°56	18°51	S 21
S 22	12 22 36	7°35'22	10♌35	14°48	21°56	26°26	17°12	13° 8	22°35	18°10	7°29	4°41	4°48	12° 3	18°55	S 22
M23	12 26 33	8°34'12	25°10	16°52	23° 1	27°12	17° 5	13° 4	22°38	18°12	7°29	4°41	4°45	12° 9	18°58	M23
T 24	12 30 29	9°32'59	9♍50	18°55	24° 5	27°59	16°57	12°59	22°41	18°14	7°30	4°42	4°41	12°16	19° 2	T 24
W25	12 34 26	10°31'44	24°27	20°57	25° 9	28°45	16°50	12°55	22°43	18°15	7°30	4°42	4°38	12°23	19° 5	W25
T 26	12 38 22	11°30'28	8♎56	22°58	26°13	29°32	16°42	12°50	22°46	18°17	7°30	4°R42	4°35	12°29	19° 9	T 26
F 27	12 42 19	12°29'09	23°11	24°56	27°17	0♓18	16°34	12°45	22°49	18°18	7°30	4°42	4°32	12°36	19°12	F 27
S 28	12 46 15	13°27'48	7♏ 7	26°52	28°20	1° 4	16°27	12°41	22°52	18°20	7°31	4°41	4°29	12°43	19°16	S 28
S 29	12 50 12	14°26'26	20°41	28°46	29°23	1°51	16°19	12°36	22°55	18°21	7°31	4°40	4°26	12°49	19°19	S 29
M30	12 54 8	15°25'01	3♐52	0♉36	0♊26	2°37	16°11	12°32	22°58	18°23	7°31	4°39	4°22	12°56	19°23	M30
T 31	12 58 5	16♈23'35	16♐41	2♉24	1♊29	3♓23	16♎ 4	12♎27	23♉ 1	18♒24	7♋32	4♈37	4♈19	13♒ 3	19♓26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s13	18s51	3s15	12s16	2s12	11n56	1n 2	18s50	1s 7	6s13	1n34	3s15	2n46	18n 6	0s12	16s 3	0s26	23n10	0s10	1n54	2n21	22s 1	1s 7	4n 7
M 2	4 49	23 19	4 6	11 35	2 10	12 25	1 6	18 38	1 7	6 11	1 34	3 13	2 46	18 6	0 12	16 3	0 26	23 10	0 10	1 55	2 20	21 59	1 5	4 7
T 3	4 26	26 31	4 44	10 54	2 9	12 53	1 10	18 26	1 8	6 8	1 35	3 12	2 46	18 7	0 12	16 2	0 26	23 10	0 10	1 55	2 19	21 57	1 4	4 7
W 4	4 3	28 21	5 7	10 11	2 7	13 21	1 15	18 13	1 8	6 6	1 35	3 10	2 46	18 7	0 12	16 2	0 26	23 10	0 10	1 55	2 18	21 54	1 2	4 7
T 5	3 39	28 46	5 16	9 27	2 4	13 48	1 19	18 0	1 8	6 4	1 35	3 8	2 46	18 8	0 12	16 1	0 26	23 10	0 10	1 55	2 16	21 52	1 1	4 7
F 6	3 16	27 49	5 11	8 41	2 1	14 15	1 23	17 47	1 9	6 1	1 35	3 7	2 46	18 9	0 12	16 0	0 26	23 10	0 10	1 54	2 15	21 50	1 0	4 7
S 7	2 52	25 37	4 52	7 54	1 57	14 42	1 27	17 34	1 9	5 59	1 35	3 5	2 46	18 9	0 12	16 0	0 26	23 10	0 10	1 54	2 14	21 47	0 58	4 7
S 8	2 28	22 18	4 22	7 6	1 53	15 9	1 31	17 21	1 10	5 56	1 35	3 3	2 46	18 10	0 12	15 59	0 26	23 10	0 10	1 53	2 13	21 45	0 57	4 7
M 9	2 5	18 6	3 40	6 16	1 48	15 35	1 35	17 7	1 10	5 54	1 35	3 1	2 47	18 10	0 12	15 59	0 26	23 10	0 10	1 53	2 11	21 43	0 55	4 7
T 10	1 41	13 10	2 48	5 26	1 43	16 1	1 39	16 53	1 11	5 51	1 36	3 0	2 47	18 11	0 12	15 58	0 26	23 10	0 10	1 52	2 10	21 40	0 54	4 7
W11	1 18	7 42	1 48	4 34	1 37	16 26	1 43	16 40	1 11	5 49	1 36	2 58	2 47	18 11	0 12	15 58	0 26	23 10	0 10	1 52	2 9	21 38	0 53	4 7
T 12	0 54	1 53	0 43	3 41	1 31	16 52	1 47	16 25	1 12	5 46	1 36	2 56	2 47	18 12	0 12	15 57	0 26	23 10	0 10	1 52	2 8	21 35	0 51	4 7
F 13	0 30	4n 4	0n25	2 47	1 24	17 16	1 51	16 11	1 12	5 43	1 36	2 54	2 47	18 13	0 12	15 56	0 26	23 11	0 10	1 52	2 6	21 33	0 50	4 7
S 14	0 7	9 58	1 34	1 51	1 16	17 41	1 55	15 57	1 12	5 41	1 36	2 53	2 47	18 13	0 12	15 56	0 26	23 11	0 10	1 52	2 5	21 31	0 48	4 7
S 15	0n17	15 34	2 38	0 55	1 8	18 5	1 59	15 42	1 13	5 38	1 36	2 51	2 47	18 14	0 12	15 55	0 26	23 11	0 9	1 52	2 4	21 28	0 47	4 7
M16	0 41	20 35	3 36	0n 1	1 0	18 28	2 3	15 28	1 13	5 35	1 36	2 49	2 47	18 15	0 12	15 55	0 26	23 11	0 9	1 52	2 2	21 26	0 46	4 7
T 17	1 4	24 41	4 23	0 59	0 51	18 51	2 6	15 13	1 14	5 32	1 36	2 47	2 47	18 15	0 12	15 54	0 26	23 11	0 9	1 52	2 1	21 24	0 44	4 7
W18	1 28	27 31	4 57	1 57	0 42	19 14	2 10	14 58	1 14	5 30	1 36	2 45	2 47	18 16	0 12	15 54	0 26	23 11	0 9	1 52	2 0	21 21	0 43	4 7
T 19	1 51	28 47	5 15	2 55	0 32	19 36	2 14	14 43	1 14	5 27	1 36	2 44	2 47	18 17	0 12	15 53	0 26	23 11	0 9	1 52	1 59	21 19	0 41	4 7
F 20	2 15	28 14	5 15	3 54	0 22	19 58	2 18	14 28	1 15	5 24	1 36	2 42	2 48	18 17	0 12	15 53	0 26	23 11	0 9	1 52	1 57	21 16	0 40	4 7
S 21	2 38	25 51	4 55	4 53	0 11	20 19	2 21	14 12	1 15	5 21	1 36	2 40	2 48	18 18	0 12	15 52	0 26	23 11	0 9	1 52	1 56	21 14	0 39	4 7
S 22	3 1	21 47	4 17	5 51	0 0	20 40	2 25	13 57	1 16	5 18	1 36	2 38	2 48	18 19	0 12	15 52	0 26	23 11	0 9	1 52	1 55	21 11	0 37	4 7
M23	3 25	16 22	3 22	6 49	0n11	21 0	2 29	13 41	1 16	5 15	1 36	2 36	2 48	18 19	0 12	15 51	0 26	23 11	0 9	1 52	1 54	21 9	0 36	4 7
T 24	3 48	9 59	2 14	7 47	0 22	21 20	2 32	13 25	1 16	5 12	1 36	2 35	2 48	18 20	0 12	15 51	0 26	23 11	0 9	1 52	1 52	21 7	0 34	4 7
W25	4 11	3 5	0 57	8 44	0 33	21 40	2 36	13 9	1 17	5 9	1 36	2 33	2 48	18 21	0 12	15 50	0 26	23 11	0 9	1 53	1 51	21 4	0 33	4 7
T 26	4 34	3s55	0s23	9 39	0 44	21 58	2 39	12 53	1 17	5 6	1 36	2 31	2 48	18 22	0 12	15 50	0 26	23 11	0 9	1 53	1 50	21 2	0 32	4 7
F 27	4 57	10 36	1 41	10 34	0 56	22 17	2 43	12 37	1 17	5 4	1 36	2 29	2 48	18 22	0 12	15 49	0 26	23 11	0 9	1 53	1 49	20 59	0 30	4 7
S 28	5 20	16 37	2 50	11 26	1 7	22 35	2 46	12 21	1 18	5 1	1 36	2 27	2 48	18 23	0 12	15 49	0 26	23 11	0 9	1 52	1 47	20 57	0 29	4 7
S 29	5 43	21 40	3 48	12 17	1 18	22 52	2 49	12 5	1 18	4 58	1 36	2 26	2 48	18 24	0 12	15 49	0 26	23 11	0 9	1 52	1 46	20 54	0 27	4 7
M30	6 6	25 28	4 32	13 7	1 28	23 9	2 52	11 48	1 18	4 55	1 36	2 24	2 48	18 25	0 12	15 48	0 26	23 12	0 8	1 51	1 45	20 52	0 26	4 7
T 31	6n28	27s52	5s 1	13n54	1n38	23n25	2n56	11s32	1s18	4s52	1n36	2s22	2n48	18n25	0s12	15s48	0s26	23n12	0s 8	1n51	1n43	20s49	0s25	4n 7

Julian Day Number = 2154668.5, Delta T = 13m49s
Ecliptic obliquity = 23°32'51, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'24, Lahiri = 12°31'24 Julian Calendar 1 March 1187 == Greg. Calendar 8 March 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

APRIL 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 2 2	17♈22'08	29♐10	4♉ 8	2♊31	4♓10	15°R56	12°R23	23♉ 4	18♒26	7♋32	4°R36	4♈16	13♒10	19♓29	W 1
T 2	13 5 58	18°20'38	11♑23	5°48	3°33	4°56	15♎48	12♎18	23° 7	18°27	7°33	4♈35	4°13	13°16	19°33	T 2
F 3	13 9 55	19°19'07	23°24	7°24	4°34	5°42	15°41	12°13	23°10	18°28	7°33	4°D35	4°10	13°23	19°36	F 3
S 4	13 13 51	20°17'35	5♒17	8°57	5°35	6°28	15°33	12° 9	23°13	18°30	7°34	4°36	4° 6	13°30	19°39	S 4
S 5	13 17 48	21°16'00	17° 8	10°25	6°36	7°15	15°25	12° 4	23°16	18°31	7°34	4°37	4° 3	13°36	19°43	S 5
M 6	13 21 44	22°14'24	29° 0	11°48	7°37	8° 1	15°18	12° 0	23°19	18°32	7°35	4°38	4° 0	13°43	19°46	M 6
T 7	13 25 41	23°12'46	10♓58	13° 7	8°37	8°47	15°10	11°55	23°22	18°33	7°35	4°40	3°57	13°50	19°49	T 7
W 8	13 29 37	24°11'07	23° 7	14°21	9°36	9°33	15° 3	11°51	23°25	18°35	7°36	4°41	3°54	13°56	19°52	W 8
T 9	13 33 34	25° 9'25	5♈28	15°31	10°36	10°19	14°55	11°47	23°28	18°36	7°36	4°R41	3°51	14° 3	19°55	T 9
F 10	13 37 31	26° 7'42	18° 3	16°36	11°34	11° 6	14°48	11°42	23°32	18°37	7°37	4°41	3°47	14°10	19°59	F 10
S 11	13 41 27	27° 5'58	0♉54	17°35	12°33	11°52	14°40	11°38	23°35	18°38	7°38	4°39	3°44	14°16	20° 2	S 11
S 12	13 45 24	28° 4'11	14° 1	18°30	13°31	12°38	14°33	11°34	23°38	18°39	7°38	4°36	3°41	14°23	20° 5	S 12
M13	13 49 20	29° 2'23	27°23	19°20	14°28	13°24	14°26	11°29	23°41	18°40	7°39	4°33	3°38	14°30	20° 8	M13
T 14	13 53 17	0♉ 0'33	10♊59	20° 4	15°25	14°10	14°18	11°25	23°45	18°41	7°40	4°29	3°35	14°36	20°11	T 14
W15	13 57 13	0°58'41	24°47	20°44	16°22	14°56	14°11	11°21	23°48	18°42	7°40	4°26	3°32	14°43	20°14	W15
T 16	14 1 10	1°56'47	8♋43	21°18	17°18	15°42	14° 4	11°17	23°51	18°43	7°41	4°23	3°28	14°50	20°17	T 16
F 17	14 5 6	2°54'51	22°48	21°47	18°14	16°28	13°57	11°13	23°55	18°44	7°42	4°21	3°25	14°57	20°20	F 17
S 18	14 9 3	3°52'53	6♌57	22°10	19° 9	17°14	13°50	11° 9	23°58	18°45	7°43	4°D21	3°22	15° 3	20°23	S 18
S 19	14 13 0	4°50'53	21°10	22°28	20° 3	18° 0	13°44	11° 5	24° 1	18°46	7°43	4°22	3°19	15°10	20°25	S 19
M20	14 16 56	5°48'51	5♍25	22°41	20°57	18°45	13°37	11° 1	24° 5	18°47	7°44	4°23	3°16	15°17	20°28	M20
T 21	14 20 53	6°46'47	19°38	22°49	21°50	19°31	13°30	10°57	24° 8	18°47	7°45	4°25	3°12	15°23	20°31	T 21
W22	14 24 49	7°44'41	3♎48	22°R52	22°43	20°17	13°24	10°53	24°11	18°48	7°46	4°R25	3° 9	15°30	20°34	W22
T 23	14 28 46	8°42'33	17°51	22°50	23°35	21° 3	13°18	10°49	24°15	18°49	7°47	4°25	3° 6	15°37	20°37	T 23
F 24	14 32 42	9°40'24	1♏43	22°43	24°26	21°48	13°11	10°45	24°18	18°50	7°48	4°22	3° 3	15°43	20°39	F 24
S 25	14 36 39	10°38'14	15°22	22°31	25°16	22°34	13° 5	10°42	24°22	18°50	7°49	4°18	3° 0	15°50	20°42	S 25
S 26	14 40 35	11°36'01	28°45	22°15	26° 6	23°20	12°59	10°38	24°25	18°51	7°50	4°13	2°57	15°57	20°44	S 26
M27	14 44 32	12°33'48	11♐49	21°55	26°55	24° 5	12°53	10°34	24°29	18°52	7°51	4° 6	2°53	16° 3	20°47	M27
T 28	14 48 29	13°31'33	24°35	21°32	27°44	24°51	12°47	10°31	24°32	18°52	7°52	4° 0	2°50	16°10	20°50	T 28
W29	14 52 25	14°29'17	7♑ 4	21° 5	28°31	25°37	12°42	10°28	24°36	18°53	7°53	3°54	2°47	16°17	20°52	W29
T 30	14 56 22	15♑27'00	19♑17	20♉36	29♊18	26♓22	12♎36	10♎24	24♉39	18♒53	7♋54	3♈49	2♈44	16♒24	20♓55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n51	28s48	5s15	14n39	1n48	23n41	2n59	11s15	1s19	4s49	1n36	2s20	2n48	18n26	0s12	15s47	0s26	23n12	0s 8	1n50	1n42	20s47	0s23	4n 7
T 2	7 13	28 16	5 14	15 21	1 57	23 56	3 2	10 58	1 19	4 46	1 36	2 19	2 48	18 27	0 11	15 47	0 26	23 12	0 8	1 50	1 41	20 44	0 22	4 7
F 3	7 36	26 26	5 0	16 1	2 6	24 10	3 5	10 41	1 19	4 43	1 36	2 17	2 48	18 28	0 11	15 47	0 26	23 12	0 8	1 50	1 40	20 42	0 21	4 7
S 4	7 58	23 26	4 32	16 39	2 14	24 24	3 7	10 24	1 20	4 40	1 36	2 15	2 48	18 29	0 11	15 46	0 26	23 12	0 8	1 50	1 38	20 39	0 19	4 7
S 5	8 20	19 28	3 53	17 14	2 21	24 38	3 10	10 7	1 20	4 37	1 36	2 13	2 48	18 29	0 11	15 46	0 26	23 12	0 8	1 51	1 37	20 37	0 18	4 8
M 6	8 42	14 45	3 5	17 46	2 27	24 51	3 13	9 50	1 20	4 34	1 36	2 12	2 48	18 30	0 11	15 45	0 26	23 12	0 8	1 51	1 36	20 34	0 17	4 8
T 7	9 4	9 27	2 7	18 16	2 33	25 3	3 15	9 33	1 20	4 31	1 36	2 10	2 48	18 31	0 11	15 45	0 26	23 12	0 8	1 52	1 35	20 32	0 15	4 8
W 8	9 25	3 43	1 3	18 43	2 37	25 15	3 18	9 16	1 21	4 29	1 36	2 8	2 48	18 32	0 11	15 45	0 26	23 12	0 8	1 52	1 33	20 29	0 14	4 8
T 9	9 47	2n15	0n 4	19 8	2 41	25 26	3 20	8 59	1 21	4 26	1 36	2 7	2 47	18 33	0 11	15 44	0 26	23 12	0 8	1 52	1 32	20 27	0 13	4 8
F 10	10 8	8 14	1 13	19 29	2 44	25 37	3 22	8 41	1 21	4 23	1 36	2 5	2 47	18 33	0 11	15 44	0 26	23 12	0 8	1 52	1 31	20 24	0 11	4 8
S 11	10 29	14 1	2 19	19 48	2 46	25 47	3 24	8 24	1 21	4 20	1 36	2 3	2 47	18 34	0 11	15 44	0 26	23 12	0 8	1 51	1 30	20 22	0 10	4 8
S 12	10 50	19 17	3 20	20 5	2 47	25 56	3 26	8 6	1 21	4 17	1 36	2 2	2 47	18 35	0 11	15 43	0 26	23 12	0 8	1 50	1 28	20 19	0 9	4 8
M13	11 11	23 43	4 10	20 18	2 46	26 5	3 28	7 49	1 22	4 15	1 36	2 0	2 47	18 36	0 11	15 43	0 27	23 12	0 8	1 49	1 27	20 17	0 8	4 8
T 14	11 32	26 56	4 48	20 29	2 45	26 13	3 30	7 31	1 22	4 12	1 35	1 58	2 47	18 37	0 11	15 43	0 27	23 12	0 7	1 47	1 26	20 14	0 6	4 8
W15	11 52	28 35	5 9	20 38	2 43	26 21	3 31	7 13	1 22	4 9	1 35	1 57	2 47	18 37	0 11	15 42	0 27	23 12	0 7	1 46	1 24	20 12	0 5	4 8
T 16	12 12	28 27	5 12	20 43	2 39	26 28	3 33	6 56	1 22	4 7	1 35	1 55	2 47	18 38	0 11	15 42	0 27	23 12	0 7	1 45	1 23	20 9	0 4	4 8
F 17	12 32	26 30	4 57	20 47	2 35	26 35	3 34	6 38	1 22	4 4	1 35	1 54	2 47	18 39	0 11	15 42	0 27	23 12	0 7	1 44	1 22	20 7	0 3	4 9
S 18	12 52	22 52	4 24	20 47	2 29	26 41	3 35	6 20	1 23	4 2	1 35	1 52	2 47	18 40	0 11	15 42	0 27	23 12	0 7	1 44	1 21	20 4	0 1	4 9
S 19	13 12	17 53	3 35	20 45	2 22	26 46	3 37	6 2	1 23	3 59	1 35	1 51	2 47	18 41	0 11	15 41	0 27	23 12	0 7	1 45	1 19	20 1	0 0	4 9
M20	13 31	11 55	2 32	20 41	2 14	26 51	3 37	5 44	1 23	3 57	1 35	1 49	2 46	18 42	0 11	15 41	0 27	23 12	0 7	1 45	1 18	19 59	0n 1	4 9
T 21	13 50	5 21	1 20	20 34	2 5	26 55	3 38	5 26	1 23	3 54	1 34	1 48	2 46	18 43	0 11	15 41	0 27	23 12	0 7	1 46	1 17	19 56	0 2	4 9
W22	14 9	1s28	0 3	20 25	1 54	26 59	3 39	5 8	1 23	3 52	1 34	1 47	2 46	18 43	0 11	15 41	0 27	23 12	0 7	1 46	1 16	19 54	0 4	4 9
T 23	14 28	8 9	1s13	20 13	1 43	27 2	3 39	4 50	1 23	3 50	1 34	1 45	2 46	18 44	0 11	15 41	0 27	23 12	0 7	1 46	1 14	19 51	0 5	4 9
F 24	14 47	14 22	2 23	19 59	1 30	27 5	3 40	4 32	1 23	3 47	1 34	1 44	2 46	18 45	0 11	15 40	0 27	23 12	0 7	1 45	1 13	19 48	0 6	4 9
S 25	15 5	19 46	3 24	19 43	1 17	27 7	3 40	4 14	1 23	3 45	1 34	1 43	2 46	18 46	0 11	15 40	0 27	23 12	0 7	1 43	1 12	19 46	0 7	4 9
S 26	15 23	24 5	4 13	19 25	1 2	27 9	3 40	3 56	1 23	3 43	1 34	1 41	2 46	18 47	0 11	15 40	0 27	23 12	0 7	1 41	1 11	19 43	0 8	4 10
M27	15 41	27 3	4 47	19 5	0 47	27 10	3 39	3 38	1 24	3 41	1 33	1 40	2 45	18 48	0 11	15 40	0 27	23 12	0 7	1 38	1 9	19 41	0 9	4 10
T 28	15 58	28 32	5 6	18 44	0 31	27 11	3 39	3 20	1 24	3 39	1 33	1 39	2 45	18 49	0 11	15 40	0 27	23 12	0 7	1 36	1 8	19 38	0 10	4 10
W29	16 15	28 30	5 9	18 21	0 15	27 11	3 38	3 2	1 24	3 37	1 33	1 38	2 45	18 49	0 11	15 40	0 27	23 12	0 6	1 33	1 7	19 35	0 11	4 10
T 30	16n32	27s 5	4s59	17n57	0s 2	27n10	3n37	2s44	1s24	3s35	1n33	1s37	2n45	18n50	0s11	15s39	0s27	23n12	0s 6	1n32	1n 5	19s33	0n13	4n10

Julian Day Number = 2154699.5, Delta T = 13m49s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'28, Lahiri = 12°31'28 Julian Calendar 1 Apr. 1187 == Greg. Calendar 8 Apr. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

MAY 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 0 18	16♉24'41	1♒19	20°R 4	0♋ 4	27♓ 8	12°R31	10°R21	24♉43	18♒54	7♋55	3°R46	2♈41	16♒30	20♓57	F 1
S 2	15 4 15	17°22'22	13°12	19♉31	0°49	27°53	12♎26	10♎18	24°46	18°54	7°56	3°D45	2°37	16°37	20°59	S 2
S 3	15 8 11	18°20'01	25° 3	18°57	1°33	28°38	12°21	10°15	24°50	18°55	7°57	3♈45	2°34	16°44	21° 2	S 3
M 4	15 12 8	19°17'39	6♓56	18°23	2°16	29°24	12°16	10°12	24°53	18°55	7°58	3°46	2°31	16°50	21° 4	M 4
T 5	15 16 4	20°15'16	18°56	17°48	2°58	0♈ 9	12°11	10° 9	24°57	18°55	7°59	3°47	2°28	16°57	21° 6	T 5
W 6	15 20 1	21°12'53	1♈ 8	17°15	3°39	0°54	12° 6	10° 6	25° 0	18°56	8° 0	3°R48	2°25	17° 4	21° 8	W 6
T 7	15 23 58	22°10'28	13°36	16°43	4°19	1°39	12° 2	10° 3	25° 4	18°56	8° 1	3°48	2°22	17°10	21°11	T 7
F 8	15 27 54	23° 8'02	26°24	16°13	4°58	2°25	11°57	10° 0	25° 7	18°56	8° 3	3°45	2°18	17°17	21°13	F 8
S 9	15 31 51	24° 5'35	9♉32	15°45	5°35	3°10	11°53	9°58	25°11	18°57	8° 4	3°41	2°15	17°24	21°15	S 9
S 10	15 35 47	25° 3'07	23° 0	15°20	6°12	3°55	11°49	9°55	25°14	18°57	8° 5	3°35	2°12	17°30	21°17	S 10
M11	15 39 44	26° 0'38	6♊48	14°58	6°47	4°40	11°45	9°52	25°18	18°57	8° 6	3°27	2° 9	17°37	21°19	M11
T 12	15 43 40	26°58'08	20°51	14°40	7°21	5°25	11°42	9°50	25°21	18°57	8° 7	3°18	2° 6	17°44	21°21	T 12
W13	15 47 37	27°55'37	5♋ 4	14°25	7°54	6°10	11°38	9°48	25°25	18°57	8° 9	3°10	2° 3	17°50	21°23	W13
T 14	15 51 33	28°53'04	19°23	14°15	8°25	6°55	11°35	9°46	25°28	18°57	8°10	3° 3	1°59	17°57	21°25	T 14
F 15	15 55 30	29°50'31	3♌43	14° 9	8°55	7°39	11°32	9°43	25°32	18°57	8°11	2°58	1°56	18° 4	21°26	F 15
S 16	15 59 27	0♊47'56	18° 0	14°D 7	9°23	8°24	11°29	9°41	25°35	18°R57	8°12	2°56	1°53	18°10	21°28	S 16
S 17	16 3 23	1°45'19	2♍10	14° 9	9°50	9° 9	11°26	9°39	25°39	18°57	8°14	2°D55	1°50	18°17	21°30	S 17
M18	16 7 20	2°42'42	16°14	14°17	10°15	9°54	11°23	9°38	25°42	18°57	8°15	2°55	1°47	18°24	21°31	M18
T 19	16 11 16	3°40'03	0♎ 9	14°28	10°38	10°38	11°21	9°36	25°46	18°57	8°16	2°R56	1°43	18°31	21°33	T 19
W20	16 15 13	4°37'23	13°56	14°44	10°59	11°23	11°18	9°34	25°49	18°57	8°18	2°55	1°40	18°37	21°35	W20
T 21	16 19 9	5°34'42	27°34	15° 5	11°19	12° 7	11°16	9°32	25°53	18°57	8°19	2°53	1°37	18°44	21°36	T 21
F 22	16 23 6	6°32'00	11♏ 1	15°30	11°37	12°52	11°14	9°31	25°56	18°57	8°20	2°48	1°34	18°51	21°38	F 22
S 23	16 27 2	7°29'17	24°17	15°59	11°53	13°36	11°12	9°30	26° 0	18°56	8°22	2°41	1°31	18°57	21°39	S 23
S 24	16 30 59	8°26'34	7♐21	16°33	12° 7	14°20	11°11	9°28	26° 3	18°56	8°23	2°31	1°28	19° 4	21°40	S 24
M25	16 34 56	9°23'50	20°11	17°10	12°19	15° 4	11° 9	9°27	26° 7	18°56	8°25	2°20	1°24	19°11	21°42	M25
T 26	16 38 52	10°21'05	2♑47	17°52	12°29	15°49	11° 8	9°26	26°10	18°55	8°26	2° 8	1°21	19°17	21°43	T 26
W27	16 42 49	11°18'19	15° 9	18°38	12°36	16°33	11° 7	9°25	26°14	18°55	8°27	1°57	1°18	19°24	21°44	W27
T 28	16 46 45	12°15'34	27°19	19°28	12°42	17°17	11° 6	9°24	26°17	18°55	8°29	1°48	1°15	19°31	21°45	T 28
F 29	16 50 42	13°12'47	9♒18	20°22	12°45	18° 1	11° 5	9°23	26°20	18°54	8°30	1°41	1°12	19°37	21°47	F 29
S 30	16 54 38	14°10'01	21°10	21°20	12°R46	18°45	11° 5	9°22	26°24	18°54	8°32	1°36	1° 9	19°44	21°48	S 30
S 31	16 58 35	15♊ 7'14	2♓59	22♉21	12♋45	19♈29	11♎ 4	9♎22	26♉27	18♒53	8♋33	1♈34	1♈ 5	19♒51	21♓49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n49	24s25	4s35	17n32	0s20	27n 9	3n36	2s26	1s24	3s33	1n33	1s35	2n45	18n51	0s11	15s39	0s27	23n12	0s 6	1n30	1n 4	19s30	0n14	4n10
S 2	17 6	20 45	4 0	17 6	0 37	27 8	3 35	2 8	1 24	3 31	1 32	1 34	2 45	18 52	0 11	15 39	0 27	23 12	0 6	1 30	1 3	19 27	0 15	4 10
S 3	17 22	16 16	3 14	16 40	0 54	27 6	3 34	1 49	1 24	3 29	1 32	1 33	2 44	18 53	0 11	15 39	0 27	23 12	0 6	1 30	1 2	19 25	0 16	4 10
M 4	17 38	11 10	2 20	16 14	1 12	27 4	3 32	1 31	1 24	3 27	1 32	1 32	2 44	18 54	0 11	15 39	0 27	23 12	0 6	1 30	1 0	19 22	0 17	4 11
T 5	17 53	5 37	1 20	15 48	1 29	27 1	3 30	1 13	1 24	3 26	1 32	1 31	2 44	18 55	0 11	15 39	0 27	23 12	0 6	1 31	0 59	19 20	0 18	4 11
W 6	18 9	0n14	0 14	15 23	1 45	26 58	3 28	0 55	1 24	3 24	1 31	1 30	2 44	18 55	0 11	15 39	0 27	23 12	0 6	1 31	0 58	19 17	0 19	4 11
T 7	18 24	6 12	0n53	14 58	2 1	26 54	3 25	0 37	1 24	3 23	1 31	1 29	2 44	18 56	0 11	15 39	0 27	23 12	0 6	1 31	0 57	19 14	0 20	4 11
F 8	18 38	12 4	1 59	14 35	2 16	26 50	3 23	0 19	1 24	3 21	1 31	1 28	2 44	18 57	0 11	15 39	0 27	23 12	0 6	1 30	0 55	19 12	0 21	4 11
S 9	18 53	17 34	3 0	14 14	2 30	26 45	3 20	0 1	1 24	3 20	1 31	1 28	2 43	18 58	0 11	15 39	0 27	23 12	0 6	1 28	0 54	19 9	0 22	4 11
S 10	19 7	22 22	3 53	13 54	2 44	26 40	3 17	0n17	1 24	3 18	1 31	1 27	2 43	18 59	0 11	15 39	0 27	23 12	0 6	1 26	0 53	19 6	0 23	4 11
M11	19 21	26 2	4 34	13 36	2 56	26 35	3 13	0 35	1 24	3 17	1 30	1 26	2 43	19 0	0 11	15 39	0 27	23 12	0 6	1 22	0 51	19 4	0 24	4 12
T 12	19 34	28 11	4 58	13 20	3 7	26 30	3 9	0 53	1 23	3 16	1 30	1 25	2 43	19 1	0 11	15 38	0 27	23 12	0 6	1 19	0 50	19 1	0 24	4 12
W13	19 47	28 32	5 5	13 6	3 17	26 24	3 5	1 11	1 23	3 15	1 30	1 25	2 42	19 1	0 11	15 38	0 27	23 12	0 6	1 16	0 49	18 58	0 25	4 12
T 14	20 0	26 58	4 53	12 54	3 26	26 17	3 1	1 29	1 23	3 14	1 30	1 24	2 42	19 2	0 11	15 38	0 27	23 12	0 6	1 13	0 48	18 55	0 26	4 12
F 15	20 12	23 40	4 23	12 45	3 34	26 11	2 56	1 47	1 23	3 13	1 29	1 23	2 42	19 3	0 11	15 39	0 27	23 12	0 5	1 11	0 46	18 53	0 27	4 12
S 16	20 25	18 56	3 36	12 38	3 40	26 4	2 51	2 4	1 23	3 12	1 29	1 23	2 42	19 4	0 11	15 39	0 27	23 12	0 5	1 10	0 45	18 50	0 28	4 12
S 17	20 36	13 11	2 37	12 34	3 46	25 56	2 46	2 22	1 23	3 11	1 29	1 22	2 42	19 5	0 11	15 39	0 27	23 12	0 5	1 10	0 44	18 47	0 29	4 13
M18	20 48	6 48	1 28	12 32	3 50	25 49	2 40	2 40	1 23	3 10	1 28	1 21	2 41	19 6	0 11	15 39	0 27	23 12	0 5	1 10	0 43	18 45	0 30	4 13
T 19	20 59	0 10	0 15	12 33	3 53	25 41	2 34	2 58	1 23	3 9	1 28	1 21	2 41	19 6	0 11	15 39	0 27	23 12	0 5	1 10	0 41	18 42	0 30	4 13
W20	21 10	6s25	0s58	12 35	3 55	25 33	2 28	3 15	1 23	3 9	1 28	1 21	2 41	19 7	0 11	15 39	0 27	23 12	0 5	1 10	0 40	18 39	0 31	4 13
T 21	21 20	12 38	2 7	12 40	3 56	25 24	2 21	3 33	1 22	3 8	1 28	1 20	2 41	19 8	0 11	15 39	0 28	23 12	0 5	1 9	0 39	18 36	0 32	4 13
F 22	21 30	18 11	3 8	12 48	3 56	25 16	2 14	3 50	1 22	3 7	1 27	1 20	2 40	19 9	0 11	15 39	0 28	23 12	0 5	1 7	0 38	18 34	0 33	4 13
S 23	21 39	22 46	3 58	12 57	3 55	25 7	2 7	4 8	1 22	3 7	1 27	1 19	2 40	19 10	0 11	15 39	0 28	23 12	0 5	1 4	0 36	18 31	0 33	4 14
S 24	21 49	26 8	4 34	13 8	3 53	24 58	1 59	4 25	1 22	3 7	1 27	1 19	2 40	19 11	0 11	15 39	0 28	23 12	0 5	1 0	0 35	18 28	0 34	4 14
M25	21 58	28 6	4 56	13 22	3 50	24 48	1 50	4 42	1 22	3 6	1 27	1 19	2 40	19 11	0 11	15 39	0 28	23 12	0 5	0 56	0 34	18 26	0 35	4 14
T 26	22 6	28 33	5 2	13 37	3 46	24 39	1 42	5 0	1 22	3 6	1 26	1 19	2 40	19 12	0 11	15 39	0 28	23 12	0 5	0 51	0 32	18 23	0 35	4 14
W27	22 14	27 33	4 54	13 54	3 41	24 29	1 33	5 17	1 21	3 6	1 26	1 18	2 39	19 13	0 11	15 39	0 28	23 12	0 5	0 47	0 31	18 20	0 36	4 14
T 28	22 22	25 15	4 33	14 13	3 36	24 19	1 23	5 34	1 21	3 6	1 26	1 18	2 39	19 14	0 11	15 40	0 28	23 12	0 5	0 43	0 30	18 17	0 37	4 14
F 29	22 29	21 52	4 0	14 33	3 30	24 9	1 13	5 51	1 21	3 6	1 26	1 18	2 39	19 15	0 11	15 40	0 28	23 12	0 5	0 40	0 29	18 15	0 37	4 15
S 30	22 36	17 37	3 17	14 54	3 23	23 59	1 3	6 8	1 21	3 6	1 25	1 18	2 39	19 16	0 11	15 40	0 28	23 12	0 5	0 38	0 27	18 12	0 38	4 15
S 31	22n43	12s43	2s26	15n17	3s16	23n48	0n52	6n25	1s20	3s 6	1n25	1s18	2n38	19n16	0s11	15s40	0s28	23n12	0s 4	0n38	0n26	18s 9	0n38	4n15

Julian Day Number = 2154729.5, Delta T = 13m49s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'32, Lahiri = 12°31'33 Julian Calendar 1 May 1187 == Greg. Calendar 8 May 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

JUNE 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 2 31	16♊ 4'27	14♓51	23♉26	12°R41	20♈12	11°D 4	9°R21	26♉31	18°R53	8♋35	1°D33	1♈ 2	19♒57	21♓50	M 1
T 2	17 6 28	17° 1'39	26°51	24°35	12♋35	20°56	11♎ 4	9♎21	26°34	18♒52	8°36	1°R33	0°59	20° 4	21°51	T 2
W 3	17 10 25	17°58'52	9♈ 4	25°47	12°26	21°40	11° 4	9°20	26°37	18°52	8°38	1♈33	0°56	20°11	21°51	W 3
T 4	17 14 21	18°56'04	21°34	27° 3	12°15	22°23	11° 5	9°20	26°41	18°51	8°39	1°32	0°53	20°17	21°52	T 4
F 5	17 18 18	19°53'17	4♉27	28°22	12° 2	23° 7	11° 5	9°20	26°44	18°51	8°41	1°28	0°49	20°24	21°53	F 5
S 6	17 22 14	20°50'29	17°45	29°45	11°46	23°50	11° 6	9°D20	26°47	18°50	8°42	1°22	0°46	20°31	21°54	S 6
S 7	17 26 11	21°47'41	1♊28	1♊11	11°28	24°34	11° 7	9°20	26°50	18°49	8°44	1°14	0°43	20°37	21°54	S 7
M 8	17 30 7	22°44'53	15°36	2°40	11° 8	25°17	11° 8	9°20	26°54	18°49	8°45	1° 3	0°40	20°44	21°55	M 8
T 9	17 34 4	23°42'05	0♋ 2	4°13	10°46	26° 0	11° 9	9°20	26°57	18°48	8°47	0°52	0°37	20°51	21°56	T 9
W10	17 38 1	24°39'17	14°42	5°49	10°21	26°44	11°11	9°21	27° 0	18°47	8°48	0°41	0°34	20°57	21°56	W10
T 11	17 41 57	25°36'28	29°26	7°28	9°55	27°27	11°12	9°21	27° 3	18°46	8°50	0°32	0°30	21° 4	21°56	T 11
F 12	17 45 54	26°33'39	14♌ 7	9°11	9°26	28°10	11°14	9°22	27° 7	18°45	8°51	0°25	0°27	21°11	21°57	F 12
S 13	17 49 50	27°30'50	28°39	10°57	8°56	28°53	11°16	9°23	27°10	18°45	8°53	0°21	0°24	21°18	21°57	S 13
S 14	17 53 47	28°28'00	12♍58	12°45	8°24	29°35	11°18	9°23	27°13	18°44	8°54	0°19	0°21	21°24	21°57	S 14
M15	17 57 43	29°25'10	27° 2	14°37	7°51	0♉18	11°21	9°24	27°16	18°43	8°56	0°19	0°18	21°31	21°58	M15
T 16	18 1 40	0♋22'20	10♎51	16°31	7°16	1° 1	11°23	9°25	27°19	18°42	8°58	0°18	0°15	21°38	21°58	T 16
W17	18 5 36	1°19'29	24°24	18°28	6°41	1°44	11°26	9°26	27°22	18°41	8°59	0°17	0°11	21°44	21°58	W17
T 18	18 9 33	2°16'39	7♏44	20°27	6° 4	2°26	11°29	9°27	27°25	18°40	9° 1	0°14	0° 8	21°51	21°58	T 18
F 19	18 13 30	3°13'48	20°51	22°28	5°27	3° 8	11°32	9°28	27°28	18°39	9° 2	0° 8	0° 5	21°58	21°R58	F 19
S 20	18 17 26	4°10'57	3♐47	24°32	4°50	3°51	11°35	9°30	27°31	18°38	9° 4	29♓59	0° 2	22° 4	21°58	S 20
S 21	18 21 23	5° 8'06	16°31	26°37	4°12	4°33	11°38	9°31	27°34	18°37	9° 5	29°49	29♓59	22°11	21°58	S 21
M22	18 25 19	6° 5'16	29° 4	28°43	3°35	5°15	11°42	9°33	27°37	18°36	9° 7	29°36	29°55	22°18	21°58	M22
T 23	18 29 16	7° 2'25	11♑26	0♋51	2°57	5°57	11°45	9°34	27°40	18°35	9° 9	29°23	29°52	22°24	21°58	T 23
W24	18 33 12	7°59'35	23°38	2°59	2°21	6°39	11°49	9°36	27°43	18°33	9°10	29°10	29°49	22°31	21°57	W24
T 25	18 37 9	8°56'46	5♒40	5° 8	1°45	7°21	11°53	9°38	27°46	18°32	9°12	28°59	29°46	22°38	21°57	T 25
F 26	18 41 5	9°53'56	17°35	7°17	1°11	8° 3	11°57	9°40	27°49	18°31	9°13	28°51	29°43	22°44	21°57	F 26
S 27	18 45 2	10°51'07	29°24	9°26	0°37	8°45	12° 2	9°42	27°51	18°30	9°15	28°45	29°40	22°51	21°56	S 27
S 28	18 48 59	11°48'19	11♓12	11°34	0° 6	9°27	12° 6	9°44	27°54	18°29	9°16	28°42	29°36	22°58	21°56	S 28
M29	18 52 55	12°45'31	23° 3	13°42	29♊35	10° 8	12°11	9°46	27°57	18°28	9°18	28°41	29°33	23° 4	21°55	M29
T 30	18 56 52	13♋42'45	5♈ 1	15♋49	29♊ 7	10♉50	12♎16	9♎48	28♉ 0	18♒26	9♋20	28°D41	29♓30	23♒11	21♓55	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n49	7s20	1s27	15n41	3s 8	23n38	0n41	6n42	1s20	3s 6	1n25	1s18	2n38	19n17	0s11	15s40	0s28	23n12	0s 4	0n37	0n25	18s 6	0n39	4n15
T 2	22 55	1 38	0 25	16 6	2 59	23 27	0 30	6 58	1 20	3 6	1 24	1 18	2 38	19 18	0 11	15 40	0 28	23 12	0 4	0 37	0 24	18 3	0 40	4 15
W 3	23 0	4n13	0n40	16 32	2 50	23 16	0 18	7 15	1 20	3 7	1 24	1 18	2 38	19 19	0 11	15 41	0 28	23 12	0 4	0 37	0 22	18 1	0 40	4 16
T 4	23 5	10 3	1 44	16 59	2 41	23 5	0 6	7 32	1 19	3 7	1 24	1 18	2 37	19 19	0 11	15 41	0 28	23 12	0 4	0 37	0 21	17 58	0 41	4 16
F 5	23 10	15 39	2 45	17 26	2 31	22 54	0s 6	7 48	1 19	3 8	1 24	1 19	2 37	19 20	0 11	15 41	0 28	23 12	0 4	0 35	0 20	17 55	0 41	4 16
S 6	23 14	20 42	3 39	17 54	2 20	22 42	0 19	8 4	1 19	3 8	1 23	1 19	2 37	19 21	0 11	15 41	0 28	23 12	0 4	0 33	0 18	17 52	0 41	4 16
S 7	23 18	24 49	4 22	18 22	2 10	22 31	0 32	8 21	1 18	3 9	1 23	1 19	2 37	19 22	0 11	15 42	0 28	23 11	0 4	0 29	0 17	17 49	0 42	4 16
M 8	23 21	27 34	4 50	18 51	1 58	22 19	0 46	8 37	1 18	3 9	1 23	1 19	2 36	19 23	0 11	15 42	0 28	23 11	0 4	0 25	0 16	17 47	0 42	4 16
T 9	23 24	28 33	5 0	19 20	1 47	22 7	1 0	8 53	1 18	3 10	1 22	1 20	2 36	19 23	0 11	15 42	0 28	23 11	0 4	0 21	0 15	17 44	0 43	4 17
W10	23 26	27 34	4 52	19 49	1 35	21 55	1 13	9 9	1 17	3 11	1 22	1 20	2 36	19 24	0 11	15 42	0 28	23 11	0 4	0 16	0 13	17 41	0 43	4 17
T 11	23 28	24 39	4 24	20 17	1 23	21 43	1 27	9 25	1 17	3 12	1 22	1 21	2 35	19 25	0 11	15 43	0 28	23 11	0 4	0 13	0 12	17 38	0 43	4 17
F 12	23 30	20 9	3 38	20 45	1 11	21 31	1 42	9 40	1 17	3 13	1 22	1 21	2 35	19 25	0 11	15 43	0 28	23 11	0 4	0 10	0 11	17 35	0 44	4 17
S 13	23 31	14 28	2 39	21 12	0 59	21 19	1 56	9 56	1 16	3 14	1 21	1 21	2 35	19 26	0 11	15 43	0 28	23 11	0 4	0 8	0 10	17 33	0 44	4 17
S 14	23 32	8 6	1 30	21 39	0 47	21 7	2 10	10 12	1 16	3 15	1 21	1 22	2 35	19 27	0 11	15 43	0 28	23 11	0 4	0 8	0 8	17 30	0 44	4 18
M15	23 33	1 27	0 17	22 4	0 35	20 55	2 24	10 27	1 16	3 16	1 21	1 23	2 34	19 28	0 11	15 44	0 28	23 11	0 4	0 7	0 7	17 27	0 45	4 18
T 16	23 33	5s10	0s55	22 28	0 23	20 43	2 38	10 42	1 15	3 17	1 20	1 23	2 34	19 28	0 11	15 44	0 28	23 11	0 3	0 7	0 6	17 24	0 45	4 18
W17	23 32	11 25	2 4	22 51	0 12	20 31	2 52	10 57	1 15	3 19	1 20	1 24	2 34	19 29	0 11	15 44	0 28	23 11	0 3	0 7	0 5	17 21	0 45	4 18
T 18	23 32	17 3	3 4	23 12	0 0	20 19	3 6	11 13	1 14	3 20	1 20	1 25	2 34	19 30	0 11	15 45	0 28	23 11	0 3	0 6	0 3	17 18	0 45	4 18
F 19	23 30	21 48	3 53	23 31	0n11	20 7	3 19	11 27	1 14	3 22	1 20	1 25	2 33	19 30	0 11	15 45	0 28	23 11	0 3	0 3	0 2	17 16	0 45	4 18
S 20	23 29	25 25	4 30	23 48	0 22	19 55	3 32	11 42	1 13	3 23	1 19	1 26	2 33	19 31	0 11	15 45	0 28	23 11	0 3	0s 0	0 1	17 13	0 45	4 19
S 21	23 27	27 42	4 52	24 3	0 32	19 44	3 45	11 57	1 13	3 25	1 19	1 27	2 33	19 32	0 11	15 46	0 28	23 11	0 3	0 5	0s 1	17 10	0 46	4 19
M22	23 24	28 33	5 0	24 15	0 42	19 33	3 57	12 12	1 13	3 26	1 19	1 28	2 33	19 33	0 11	15 46	0 28	23 11	0 3	0 10	0 2	17 7	0 46	4 19
T 23	23 22	27 56	4 54	24 24	0 52	19 22	4 9	12 26	1 12	3 28	1 19	1 29	2 32	19 33	0 11	15 46	0 28	23 11	0 3	0 15	0 3	17 4	0 46	4 19
W24	23 18	25 58	4 34	24 31	1 0	19 11	4 21	12 40	1 12	3 30	1 18	1 29	2 32	19 34	0 11	15 47	0 28	23 11	0 3	0 20	0 4	17 1	0 46	4 19
T 25	23 15	22 50	4 2	24 35	1 8	19 1	4 31	12 54	1 11	3 31	1 18	1 30	2 32	19 34	0 11	15 47	0 28	23 11	0 3	0 24	0 6	16 58	0 46	4 20
F 26	23 11	18 48	3 19	24 36	1 16	18 51	4 42	13 9	1 11	3 33	1 18	1 31	2 32	19 35	0 11	15 48	0 28	23 11	0 3	0 28	0 7	16 55	0 46	4 20
S 27	23 6	14 3	2 29	24 35	1 22	18 42	4 51	13 22	1 10	3 35	1 17	1 32	2 31	19 36	0 11	15 48	0 28	23 11	0 3	0 30	0 8	16 53	0 46	4 20
S 28	23 1	8 48	1 31	24 30	1 28	18 33	5 0	13 36	1 10	3 37	1 17	1 33	2 31	19 36	0 11	15 48	0 28	23 11	0 3	0 31	0 9	16 50	0 46	4 20
M29	22 56	3 14	0 30	24 23	1 33	18 24	5 8	13 50	1 9	3 39	1 17	1 35	2 31	19 37	0 11	15 49	0 28	23 10	0 3	0 32	0 11	16 47	0 46	4 20
T 30	22n50	2n31	0n34	24n13	1n38	18n17	5s16	14n 3	1s 9	3s41	1n17	1s36	2n31	19n38	0s11	15s49	0s28	23n10	0s 3	0s32	0s12	16s44	0n46	4n20

Julian Day Number = 2154760.5, Delta T = 13m49s
Ecliptic obliquity = 23°32'50, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'36, Lahiri = 12°31'37 Julian Calendar 1 June 1187 == Greg. Calendar 8 June 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

JULY 1187 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 0 48	14♋39'58	17♈12	17♋56	28°R40	11♉31	12♎21	9♎51	28♉ 2	18°R25	9♋21	28°R41	29♓27	23♒18	21°R54	W 1
T 2	19 4 45	15°37'13	29°42	20° 1	28♊16	12°12	12°26	9°53	28° 5	18♒24	9°23	28♓40	29°24	23°24	21♓53	T 2
F 3	19 8 41	16°34'29	12♉34	22° 5	27°54	12°53	12°31	9°56	28° 8	18°22	9°24	28°37	29°21	23°31	21°53	F 3
S 4	19 12 38	17°31'45	25°53	24° 7	27°33	13°35	12°36	9°58	28°10	18°21	9°26	28°33	29°17	23°38	21°52	S 4
S 5	19 16 34	18°29'03	9♊41	26° 8	27°16	14°16	12°42	10° 1	28°13	18°20	9°28	28°25	29°14	23°44	21°51	S 5
M 6	19 20 31	19°26'21	23°57	28° 8	27° 0	14°56	12°47	10° 4	28°15	18°18	9°29	28°16	29°11	23°51	21°50	M 6
T 7	19 24 28	20°23'40	8♋36	0♌ 6	26°47	15°37	12°53	10° 7	28°18	18°17	9°31	28° 6	29° 8	23°58	21°49	T 7
W 8	19 28 24	21°21'00	23°33	2° 2	26°36	16°18	12°59	10°10	28°20	18°16	9°32	27°57	29° 5	24° 4	21°48	W 8
T 9	19 32 21	22°18'21	8♌37	3°57	26°28	16°58	13° 5	10°13	28°22	18°14	9°34	27°48	29° 1	24°11	21°47	T 9
F 10	19 36 17	23°15'42	23°39	5°50	26°22	17°39	13°12	10°16	28°25	18°13	9°35	27°42	28°58	24°18	21°46	F 10
S 11	19 40 14	24°13'04	8♍31	7°41	26°18	18°19	13°18	10°19	28°27	18°11	9°37	27°38	28°55	24°24	21°45	S 11
S 12	19 44 10	25°10'26	23° 5	9°31	26°D17	18°59	13°25	10°23	28°29	18°10	9°38	27°D37	28°52	24°31	21°44	S 12
M13	19 48 7	26° 7'49	7♎19	11°19	26°18	19°40	13°31	10°26	28°32	18° 8	9°40	27°37	28°49	24°38	21°42	M13
T 14	19 52 4	27° 5'13	21°11	13° 5	26°21	20°20	13°38	10°30	28°34	18° 7	9°41	27°R38	28°46	24°44	21°41	T 14
W15	19 56 0	28° 2'37	4♏42	14°50	26°26	20°59	13°45	10°33	28°36	18° 5	9°43	27°38	28°42	24°51	21°40	W15
T 16	19 59 57	29° 0'02	17°54	16°33	26°34	21°39	13°52	10°37	28°38	18° 4	9°44	27°36	28°39	24°58	21°38	T 16
F 17	20 3 53	29°57'28	0♐49	18°15	26°44	22°19	13°59	10°41	28°40	18° 2	9°46	27°32	28°36	25° 4	21°37	F 17
S 18	20 7 50	0♑54'55	13°29	19°55	26°56	22°58	14° 7	10°45	28°42	18° 1	9°47	27°26	28°33	25°11	21°35	S 18
S 19	20 11 46	1°52'22	25°58	21°33	27°10	23°38	14°14	10°49	28°44	17°59	9°49	27°18	28°30	25°18	21°34	S 19
M20	20 15 43	2°49'51	8♒16	23° 9	27°26	24°17	14°22	10°53	28°46	17°58	9°50	27° 8	28°27	25°24	21°32	M20
T 21	20 19 39	3°47'20	20°25	24°44	27°43	24°56	14°30	10°57	28°48	17°56	9°52	26°58	28°23	25°31	21°31	T 21
W22	20 23 36	4°44'51	2♓27	26°18	28° 3	25°35	14°37	11° 1	28°50	17°54	9°53	26°49	28°20	25°38	21°29	W22
T 23	20 27 33	5°42'23	14°22	27°50	28°24	26°14	14°45	11° 5	28°52	17°53	9°55	26°41	28°17	25°44	21°27	T 23
F 24	20 31 29	6°39'55	26°12	29°20	28°48	26°53	14°54	11° 9	28°54	17°51	9°56	26°34	28°14	25°51	21°26	F 24
S 25	20 35 26	7°37'29	8♓ 0	0♍48	29°12	27°32	15° 2	11°14	28°56	17°50	9°58	26°30	28°11	25°58	21°24	S 25
S 26	20 39 22	8°35'05	19°48	2°15	29°39	28°10	15°10	11°18	28°57	17°48	9°59	26°29	28° 7	26° 4	21°22	S 26
M27	20 43 19	9°32'42	1♈40	3°41	0♋ 7	28°49	15°19	11°23	28°59	17°46	10° 1	26°D28	28° 4	26°11	21°20	M27
T 28	20 47 15	10°30'20	13°39	5° 4	0°37	29°27	15°27	11°27	29° 1	17°45	10° 2	26°29	28° 1	26°18	21°18	T 28
W29	20 51 12	11°28'00	25°51	6°26	1° 8	0♊ 5	15°36	11°32	29° 2	17°43	10° 3	26°31	27°58	26°24	21°16	W29
T 30	20 55 8	12°25'42	8♉19	7°46	1°40	0°43	15°45	11°37	29° 4	17°42	10° 5	26°R32	27°55	26°31	21°14	T 30
F 31	20 59 5	13♌23'25	21♉ 8	9♍ 4	2♋14	1♊21	15♎53	11♎42	29♉ 5	17♒40	10♋ 6	26♓32	27♓52	26♒38	21♓12	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n44	8n17	1n37	24n 1	1n42	18n 9	5s23	14n17	1s 8	3s44	1n16	1s37	2n30	19n38	0s11	15s50	0s28	23n10	0s 3	0s32	0s13	16s41	0n46	4n21
T 2	22 38	13 52	2 37	23 46	1 44	18 3	5 30	14 30	1 7	3 46	1 16	1 38	2 30	19 39	0 11	15 50	0 29	23 10	0 3	0 32	0 14	16 38	0 46	4 21
F 3	22 31	19 1	3 31	23 29	1 47	17 57	5 35	14 43	1 7	3 48	1 16	1 39	2 30	19 39	0 11	15 51	0 29	23 10	0 2	0 33	0 16	16 35	0 45	4 21
S 4	22 24	23 27	4 15	23 9	1 48	17 51	5 40	14 56	1 6	3 50	1 16	1 41	2 30	19 40	0 11	15 51	0 29	23 10	0 2	0 35	0 17	16 32	0 45	4 21
S 5	22 16	26 44	4 47	22 48	1 49	17 46	5 45	15 9	1 6	3 53	1 15	1 42	2 29	19 41	0 11	15 51	0 29	23 10	0 2	0 38	0 18	16 29	0 45	4 21
M 6	22 8	28 26	5 2	22 24	1 49	17 42	5 49	15 21	1 5	3 55	1 15	1 43	2 29	19 41	0 11	15 52	0 29	23 10	0 2	0 41	0 20	16 26	0 45	4 21
T 7	21 59	28 13	4 58	21 59	1 48	17 39	5 52	15 34	1 4	3 58	1 15	1 45	2 29	19 42	0 11	15 52	0 29	23 10	0 2	0 45	0 21	16 24	0 45	4 22
W 8	21 51	25 58	4 33	21 32	1 47	17 36	5 55	15 46	1 4	4 0	1 15	1 46	2 29	19 42	0 11	15 53	0 29	23 10	0 2	0 49	0 22	16 21	0 44	4 22
T 9	21 41	21 53	3 50	21 4	1 45	17 33	5 57	15 58	1 3	4 3	1 14	1 47	2 28	19 43	0 11	15 53	0 29	23 10	0 2	0 53	0 23	16 18	0 44	4 22
F 10	21 32	16 23	2 51	20 34	1 43	17 31	5 59	16 10	1 3	4 6	1 14	1 49	2 28	19 43	0 11	15 54	0 29	23 10	0 2	0 55	0 25	16 15	0 44	4 22
S 11	21 22	9 58	1 40	20 2	1 40	17 30	6 0	16 22	1 2	4 8	1 14	1 50	2 28	19 44	0 11	15 54	0 29	23 10	0 2	0 57	0 26	16 12	0 44	4 22
S 12	21 12	3 8	0 24	19 30	1 37	17 29	6 1	16 34	1 1	4 11	1 14	1 52	2 28	19 44	0 11	15 55	0 29	23 10	0 2	0 57	0 27	16 9	0 43	4 22
M13	21 1	3s42	0s52	18 57	1 33	17 29	6 1	16 45	1 1	4 14	1 13	1 53	2 27	19 45	0 11	15 55	0 29	23 10	0 2	0 57	0 28	16 6	0 43	4 23
T 14	20 50	10 11	2 2	18 22	1 28	17 29	6 1	16 57	1 0	4 17	1 13	1 55	2 27	19 45	0 11	15 56	0 29	23 10	0 2	0 57	0 30	16 3	0 43	4 23
W15	20 39	16 2	3 5	17 47	1 24	17 30	6 0	17 8	0 59	4 20	1 13	1 57	2 27	19 46	0 11	15 56	0 29	23 10	0 2	0 57	0 31	16 0	0 42	4 23
T 16	20 27	21 0	3 55	17 11	1 18	17 31	5 59	17 19	0 59	4 23	1 13	1 58	2 27	19 46	0 11	15 57	0 29	23 10	0 2	0 57	0 32	15 57	0 42	4 23
F 17	20 15	24 52	4 33	16 35	1 13	17 33	5 58	17 30	0 58	4 26	1 12	2 0	2 27	19 47	0 11	15 57	0 29	23 10	0 2	0 59	0 34	15 54	0 41	4 23
S 18	20 3	27 25	4 56	15 58	1 7	17 35	5 56	17 41	0 57	4 29	1 12	2 2	2 26	19 47	0 11	15 57	0 29	23 10	0 2	1 2	0 35	15 51	0 41	4 23
S 19	19 50	28 34	5 5	15 20	1 0	17 37	5 54	17 51	0 56	4 32	1 12	2 3	2 26	19 48	0 11	15 58	0 29	23 9	0 1	1 5	0 36	15 48	0 40	4 23
M20	19 37	28 16	5 0	14 42	0 54	17 40	5 52	18 2	0 56	4 35	1 12	2 5	2 26	19 48	0 11	15 58	0 29	23 9	0 1	1 9	0 37	15 45	0 40	4 24
T 21	19 23	26 36	4 40	14 4	0 46	17 42	5 49	18 12	0 55	4 38	1 12	2 7	2 26	19 48	0 11	15 59	0 29	23 9	0 1	1 13	0 39	15 42	0 39	4 24
W22	19 10	23 44	4 9	13 25	0 39	17 46	5 46	18 22	0 54	4 42	1 11	2 9	2 25	19 49	0 11	15 59	0 29	23 9	0 1	1 16	0 40	15 39	0 39	4 24
T 23	18 56	19 53	3 27	12 47	0 32	17 49	5 43	18 32	0 53	4 45	1 11	2 11	2 25	19 49	0 11	16 0	0 29	23 9	0 1	1 20	0 41	15 36	0 38	4 24
F 24	18 41	15 17	2 36	12 8	0 24	17 53	5 40	18 42	0 53	4 48	1 11	2 13	2 25	19 50	0 11	16 0	0 29	23 9	0 1	1 22	0 42	15 33	0 38	4 24
S 25	18 27	10 7	1 38	11 29	0 16	17 56	5 36	18 51	0 52	4 52	1 11	2 14	2 25	19 50	0 11	16 1	0 29	23 9	0 1	1 24	0 44	15 30	0 37	4 24
S 26	18 12	4 36	0 36	10 50	0 7	18 0	5 33	19 1	0 51	4 55	1 10	2 16	2 25	19 50	0 11	16 2	0 29	23 9	0 1	1 24	0 45	15 27	0 37	4 24
M27	17 57	1n 6	0n28	10 11	0s 1	18 4	5 29	19 10	0 50	4 59	1 10	2 18	2 24	19 51	0 11	16 2	0 29	23 9	0 1	1 24	0 46	15 24	0 36	4 24
T 28	17 41	6 49	1 32	9 32	0 10	18 8	5 25	19 19	0 49	5 2	1 10	2 20	2 24	19 51	0 11	16 3	0 29	23 9	0 1	1 24	0 47	15 21	0 35	4 25
W29	17 25	12 23	2 32	8 54	0 19	18 12	5 20	19 28	0 49	5 6	1 10	2 22	2 24	19 52	0 11	16 3	0 29	23 9	0 1	1 24	0 49	15 18	0 35	4 25
T 30	17 9	17 36	3 27	8 15	0 28	18 16	5 16	19 37	0 48	5 9	1 10	2 24	2 24	19 52	0 11	16 4	0 29	23 9	0 1	1 23	0 50	15 15	0 34	4 25
F 31	16n53	22n12	4n13	7n37	0s38	18n20	5s11	19n46	0s47	5s13	1n 9	2s26	2n24	19n52	0s11	16s 4	0s29	23n 9	0s 1	1s23	0s51	15s12	0n33	4n25

Julian Day Number = 2154790.5, Delta T = 13m49s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'41, Lahiri = 12°31'41 Julian Calendar 1 July 1187 == Greg. Calendar 8 July 1187

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1187
geocentric

AUGUST 1187 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 2	14♌21'10	4♊23	10♍21	2♋49	1♊59	16♎ 2	11♎46	29♉ 7	17°R38	10♋ 7	26°R30	27♓48	26♒44	21°R10	S 1
S 2	21 6 58	15°18'57	18° 6	11°35	3°25	2°37	16°12	11°51	29° 8	17♒37	10° 9	26♓26	27°45	26°51	21♓ 8	S 2
M 3	21 10 55	16°16'46	2♋18	12°48	4° 3	3°14	16°21	11°56	29° 9	17°35	10°10	26°21	27°42	26°58	21° 6	M 3
T 4	21 14 51	17°14'36	16°56	13°59	4°42	3°52	16°30	12° 2	29°11	17°33	10°11	26°16	27°39	27° 4	21° 4	T 4
W 5	21 18 48	18°12'28	1♌55	15° 7	5°22	4°29	16°40	12° 7	29°12	17°32	10°13	26°10	27°36	27°11	21° 2	W 5
T 6	21 22 44	19°10'22	17° 6	16°14	6° 3	5° 6	16°49	12°12	29°13	17°30	10°14	26° 5	27°33	27°18	20°59	T 6
F 7	21 26 41	20° 8'17	2♍20	17°18	6°45	5°43	16°59	12°17	29°14	17°28	10°15	26° 2	27°29	27°24	20°57	F 7
S 8	21 30 37	21° 6'13	17°25	18°19	7°28	6°19	17° 8	12°23	29°15	17°27	10°17	26° 0	27°26	27°31	20°55	S 8
S 9	21 34 34	22° 4'11	2♎15	19°18	8°11	6°56	17°18	12°28	29°16	17°25	10°18	26°D 0	27°23	27°38	20°52	S 9
M10	21 38 31	23° 2'10	16°42	20°14	8°56	7°32	17°28	12°33	29°17	17°23	10°19	26° 1	27°20	27°44	20°50	M10
T 11	21 42 27	24° 0'11	0♏45	21° 8	9°42	8° 9	17°38	12°39	29°18	17°22	10°20	26° 2	27°17	27°51	20°48	T 11
W12	21 46 24	24°58'13	14°22	21°58	10°29	8°45	17°48	12°45	29°19	17°20	10°21	26° 4	27°13	27°58	20°45	W12
T 13	21 50 20	25°56'17	27°35	22°45	11°16	9°21	17°58	12°50	29°20	17°19	10°23	26°R 4	27°10	28° 4	20°43	T 13
F 14	21 54 17	26°54'22	10♐27	23°29	12° 4	9°56	18° 9	12°56	29°21	17°17	10°24	26° 3	27° 7	28°11	20°40	F 14
S 15	21 58 13	27°52'28	23° 1	24° 9	12°53	10°32	18°19	13° 2	29°22	17°15	10°25	26° 1	27° 4	28°18	20°38	S 15
S 16	22 2 10	28°50'36	5♑21	24°45	13°43	11° 7	18°30	13° 7	29°22	17°14	10°26	25°58	27° 1	28°24	20°35	S 16
M17	22 6 6	29°48'46	17°29	25°17	14°33	11°42	18°40	13°13	29°23	17°12	10°27	25°54	26°58	28°31	20°33	M17
T 18	22 10 3	0♍46'57	29°28	25°44	15°25	12°17	18°51	13°19	29°24	17°11	10°28	25°49	26°54	28°38	20°30	T 18
W19	22 14 0	1°45'10	11♒22	26° 7	16°16	12°52	19° 1	13°25	29°24	17° 9	10°29	25°45	26°51	28°44	20°28	W19
T 20	22 17 56	2°43'24	23°12	26°25	17° 9	13°27	19°12	13°31	29°25	17° 7	10°30	25°42	26°48	28°51	20°25	T 20
F 21	22 21 53	3°41'40	5♓ 1	26°37	18° 2	14° 1	19°23	13°37	29°25	17° 6	10°31	25°39	26°45	28°58	20°22	F 21
S 22	22 25 49	4°39'58	16°51	26°44	18°56	14°36	19°34	13°43	29°26	17° 4	10°33	25°38	26°42	29° 4	20°20	S 22
S 23	22 29 46	5°38'18	28°43	26°R44	19°50	15°10	19°45	13°49	29°26	17° 3	10°34	25°D38	26°39	29°11	20°17	S 23
M24	22 33 42	6°36'40	10♈40	26°38	20°45	15°44	19°56	13°56	29°26	17° 1	10°34	25°38	26°35	29°18	20°14	M24
T 25	22 37 39	7°35'04	22°46	26°26	21°40	16°18	20° 7	14° 2	29°27	17° 0	10°35	25°40	26°32	29°24	20°12	T 25
W26	22 41 35	8°33'30	5♉ 3	26° 7	22°36	16°51	20°19	14° 8	29°27	16°58	10°36	25°41	26°29	29°31	20° 9	W26
T 27	22 45 32	9°31'58	17°34	25°42	23°33	17°24	20°30	14°15	29°27	16°57	10°37	25°42	26°26	29°38	20° 6	T 27
F 28	22 49 28	10°30'29	0♊23	25° 9	24°30	17°57	20°41	14°21	29°27	16°55	10°38	25°43	26°23	29°44	20° 3	F 28
S 29	22 53 25	11°29'02	13°35	24°30	25°28	18°30	20°53	14°27	29°R27	16°54	10°39	25°R44	26°19	29°51	20° 1	S 29
S 30	22 57 22	12°27'37	27°10	23°45	26°26	19° 3	21° 4	14°34	29°27	16°52	10°40	25°43	26°16	29°58	19°58	S 30
M31	23 1 18	13♍26'14	11♋10	22♍53	27♋24	19♊35	21♎16	14♎40	29♉27	16♒51	10♋41	25♓42	26♓13	0♓ 4	19♓55	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n36	25n49	4n48	7n 0	0s47	18n24	5s 7	19n54	0s46	5s16	1n 9	2s29	2n23	19n52	0s11	16s 5	0s29	23n 9	0s 1	1s24	0s53	15s 9	0n32	4n25
S 2	16 19	28 6	5 7	6 23	0 56	18 28	5 2	20 2	0 45	5 20	1 9	2 31	2 23	19 53	0 11	16 5	0 29	23 9	0 1	1 25	0 54	15 6	0 32	4 25
M 3	16 2	28 40	5 9	5 46	1 6	18 32	4 57	20 10	0 44	5 24	1 9	2 33	2 23	19 53	0 11	16 6	0 29	23 9	0 1	1 27	0 55	15 3	0 31	4 25
T 4	15 44	27 16	4 51	5 10	1 16	18 36	4 52	20 18	0 43	5 28	1 9	2 35	2 23	19 53	0 11	16 6	0 29	23 9	0 0	1 30	0 56	15 0	0 30	4 25
W 5	15 26	23 55	4 12	4 34	1 26	18 40	4 47	20 26	0 43	5 31	1 8	2 37	2 23	19 54	0 11	16 7	0 29	23 9	0 0	1 32	0 58	14 57	0 29	4 25
T 6	15 8	18 53	3 16	4 0	1 35	18 43	4 42	20 34	0 42	5 35	1 8	2 39	2 23	19 54	0 11	16 7	0 29	23 9	0 0	1 34	0 59	14 54	0 29	4 25
F 7	14 50	12 39	2 6	3 26	1 45	18 47	4 36	20 41	0 41	5 39	1 8	2 42	2 22	19 54	0 11	16 8	0 29	23 9	0 0	1 35	1 0	14 51	0 28	4 25
S 8	14 32	5 42	0 47	2 53	1 55	18 50	4 31	20 49	0 40	5 43	1 8	2 44	2 22	19 54	0 11	16 8	0 29	23 9	0 0	1 36	1 1	14 48	0 27	4 26
S 9	14 13	1s25	0s34	2 20	2 5	18 53	4 25	20 56	0 39	5 47	1 8	2 46	2 22	19 55	0 11	16 9	0 29	23 9	0 0	1 36	1 3	14 45	0 26	4 26
M10	13 54	8 18	1 51	1 49	2 15	18 55	4 20	21 3	0 38	5 51	1 7	2 48	2 22	19 55	0 11	16 9	0 29	23 9	0 0	1 35	1 4	14 42	0 25	4 26
T 11	13 35	14 34	2 59	1 19	2 24	18 58	4 14	21 9	0 37	5 55	1 7	2 51	2 22	19 55	0 11	16 10	0 29	23 9	0 0	1 35	1 5	14 39	0 24	4 26
W12	13 15	19 57	3 54	0 51	2 34	19 0	4 9	21 16	0 36	5 59	1 7	2 53	2 22	19 55	0 11	16 10	0 29	23 8	0n 0	1 34	1 7	14 36	0 23	4 26
T 13	12 56	24 11	4 36	0 23	2 44	19 2	4 3	21 23	0 35	6 3	1 7	2 55	2 21	19 55	0 11	16 11	0 29	23 8	0 0	1 34	1 8	14 33	0 22	4 26
F 14	12 36	27 6	5 2	0s 3	2 53	19 3	3 57	21 29	0 34	6 7	1 7	2 58	2 21	19 56	0 11	16 11	0 29	23 8	0 0	1 35	1 9	14 30	0 22	4 26
S 15	12 16	28 34	5 13	0 27	3 2	19 5	3 51	21 35	0 33	6 11	1 7	3 0	2 21	19 56	0 11	16 12	0 29	23 8	0 0	1 35	1 10	14 27	0 21	4 26
S 16	11 56	28 35	5 9	0 49	3 11	19 6	3 46	21 41	0 32	6 15	1 6	3 3	2 21	19 56	0 11	16 12	0 29	23 8	0 0	1 37	1 12	14 24	0 20	4 26
M17	11 35	27 13	4 52	1 10	3 19	19 6	3 40	21 47	0 31	6 20	1 6	3 5	2 21	19 56	0 11	16 13	0 29	23 8	0 0	1 38	1 13	14 21	0 19	4 26
T 18	11 15	24 37	4 21	1 28	3 27	19 7	3 34	21 53	0 30	6 24	1 6	3 7	2 21	19 56	0 11	16 13	0 29	23 8	0 0	1 40	1 14	14 17	0 18	4 26
W19	10 54	20 58	3 40	1 44	3 35	19 6	3 28	21 58	0 29	6 28	1 6	3 10	2 20	19 56	0 11	16 14	0 29	23 8	0 0	1 42	1 15	14 14	0 17	4 26
T 20	10 33	16 30	2 49	1 58	3 42	19 6	3 22	22 4	0 28	6 32	1 6	3 12	2 20	19 56	0 11	16 14	0 29	23 8	0 1	1 43	1 17	14 11	0 16	4 26
F 21	10 12	11 26	1 51	2 9	3 49	19 5	3 16	22 9	0 27	6 37	1 6	3 15	2 20	19 57	0 11	16 15	0 29	23 8	0 1	1 44	1 18	14 8	0 15	4 26
S 22	9 51	5 57	0 48	2 16	3 54	19 4	3 10	22 14	0 25	6 41	1 5	3 17	2 20	19 57	0 11	16 15	0 29	23 8	0 1	1 45	1 19	14 5	0 14	4 26
S 23	9 29	0 15	0n17	2 21	3 59	19 2	3 4	22 19	0 24	6 45	1 5	3 20	2 20	19 57	0 11	16 16	0 29	23 8	0 1	1 45	1 20	14 2	0 13	4 26
M24	9 8	5n30	1 22	2 23	4 3	19 0	2 58	22 24	0 23	6 49	1 5	3 22	2 20	19 57	0 11	16 16	0 29	23 8	0 1	1 44	1 22	13 59	0 12	4 26
T 25	8 46	11 8	2 24	2 20	4 6	18 57	2 52	22 28	0 22	6 54	1 5	3 25	2 20	19 57	0 11	16 17	0 29	23 8	0 1	1 44	1 23	13 56	0 11	4 26
W26	8 24	16 25	3 21	2 14	4 8	18 54	2 46	22 33	0 21	6 58	1 5	3 27	2 19	19 57	0 11	16 17	0 29	23 8	0 1	1 43	1 24	13 53	0 9	4 26
T 27	8 2	21 8	4 9	2 4	4 8	18 51	2 41	22 37	0 20	7 3	1 5	3 30	2 19	19 57	0 11	16 17	0 29	23 8	0 1	1 43	1 26	13 50	0 8	4 26
F 28	7 40	24 59	4 46	1 50	4 7	18 47	2 35	22 41	0 19	7 7	1 5	3 33	2 19	19 57	0 11	16 18	0 29	23 8	0 1	1 42	1 27	13 47	0 7	4 26
S 29	7 17	27 39	5 10	1 32	4 4	18 42	2 29	22 46	0 17	7 12	1 4	3 35	2 19	19 57	0 11	16 18	0 29	23 8	0 1	1 42	1 28	13 44	0 6	4 26
S 30	6 55	28 48	5 17	1 10	3 59	18 38	2 23	22 50	0 16	7 16	1 4	3 38	2 19	19 57	0 11	16 19	0 29	23 8	0 1	1 43	1 29	13 40	0 5	4 26
M31	6n32	28n 9	5n 5	0s44	3s53	18n32	2s17	22n53	0s15	7s20	1n 4	3s40	2n19	19n57	0s11	16s19	0s29	23n 8	0n 1	1s43	1s31	13s37	0n 4	4n26

Julian Day Number = 2154821.5, Delta T = 13m48s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'45, Lahiri = 12°31'45 Julian Calendar 1 Aug. 1187 == Greg. Calendar 8 Aug. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

SEPTEMBER 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 5 15	14♍24'54	25♋35	21°R57	28♋23	20♊ 8	21♎27	14♎47	29°R27	16°R50	10♋42	25°R41	26♓10	0♓11	19°R52	T 1
W 2	23 9 11	15°23'36	10♌22	20♍57	29°23	20°40	21°39	14°53	29♉27	16♒48	10°43	25♓40	26° 7	0°18	19♓50	W 2
T 3	23 13 8	16°22'19	25°24	19°53	0♌22	21°11	21°51	15° 0	29°26	16°47	10°43	25°39	26° 4	0°24	19°47	T 3
F 4	23 17 4	17°21'05	10♍33	18°48	1°23	21°43	22° 3	15° 7	29°26	16°45	10°44	25°38	26° 0	0°31	19°44	F 4
S 5	23 21 1	18°19'53	25°40	17°43	2°23	22°14	22°15	15°13	29°26	16°44	10°45	25°D38	25°57	0°38	19°41	S 5
S 6	23 24 57	19°18'43	10♎36	16°39	3°24	22°45	22°27	15°20	29°25	16°43	10°46	25°38	25°54	0°44	19°38	S 6
M 7	23 28 54	20°17'35	25°13	15°39	4°25	23°16	22°39	15°27	29°25	16°41	10°46	25°38	25°51	0°51	19°36	M 7
T 8	23 32 51	21°16'29	9♏26	14°43	5°27	23°46	22°51	15°34	29°25	16°40	10°47	25°39	25°48	0°58	19°33	T 8
W 9	23 36 47	22°15'25	23°12	13°54	6°29	24°17	23° 3	15°40	29°24	16°39	10°48	25°39	25°44	1° 4	19°30	W 9
T 10	23 40 44	23°14'22	6♐32	13°12	7°32	24°47	23°15	15°47	29°23	16°38	10°48	25°39	25°41	1°11	19°27	T 10
F 11	23 44 40	24°13'22	19°28	12°39	8°34	25°16	23°27	15°54	29°23	16°36	10°49	25°R39	25°38	1°18	19°24	F 11
S 12	23 48 37	25°12'23	2♑ 2	12°15	9°37	25°46	23°40	16° 1	29°22	16°35	10°49	25°D39	25°35	1°24	19°22	S 12
S 13	23 52 33	26°11'26	14°19	12° 2	10°41	26°15	23°52	16° 8	29°21	16°34	10°50	25°39	25°32	1°31	19°19	S 13
M14	23 56 30	27°10'31	26°22	11°D59	11°44	26°44	24° 4	16°15	29°21	16°33	10°50	25°40	25°29	1°38	19°16	M14
T 15	0 0 26	28° 9'37	8♒17	12° 6	12°48	27°12	24°17	16°22	29°20	16°32	10°51	25°40	25°25	1°44	19°13	T 15
W16	0 4 23	29° 8'46	20° 7	12°24	13°52	27°41	24°29	16°29	29°19	16°31	10°51	25°40	25°22	1°51	19°11	W16
T 17	0 8 20	0♎ 7'56	1♓56	12°51	14°57	28° 8	24°42	16°36	29°18	16°30	10°52	25°41	25°19	1°58	19° 8	T 17
F 18	0 12 16	1° 7'08	13°45	13°29	16° 2	28°36	24°54	16°43	29°17	16°28	10°52	25°41	25°16	2° 4	19° 5	F 18
S 19	0 16 13	2° 6'23	25°40	14°15	17° 7	29° 3	25° 7	16°50	29°16	16°27	10°53	25°R41	25°13	2°11	19° 3	S 19
S 20	0 20 9	3° 5'39	7♈40	15° 9	18°12	29°30	25°19	16°57	29°15	16°26	10°53	25°41	25°10	2°17	19° 0	S 20
M21	0 24 6	4° 4'57	19°49	16°10	19°18	29°57	25°32	17° 4	29°14	16°25	10°54	25°40	25° 6	2°24	18°57	M21
T 22	0 28 2	5° 4'18	2♉ 7	17°18	20°24	0♋24	25°45	17°11	29°13	16°24	10°54	25°39	25° 3	2°31	18°55	T 22
W23	0 31 59	6° 3'41	14°37	18°32	21°30	0°50	25°58	17°18	29°12	16°24	10°54	25°38	25° 0	2°37	18°52	W23
T 24	0 35 55	7° 3'06	27°21	19°51	22°36	1°15	26°10	17°26	29°10	16°23	10°55	25°36	24°57	2°44	18°49	T 24
F 25	0 39 52	8° 2'33	10♊19	21°14	23°43	1°41	26°23	17°33	29° 9	16°22	10°55	25°35	24°54	2°51	18°47	F 25
S 26	0 43 49	9° 2'03	23°33	22°42	24°50	2° 6	26°36	17°40	29° 8	16°21	10°55	25°34	24°50	2°57	18°44	S 26
S 27	0 47 45	10° 1'35	7♋ 5	24°12	25°57	2°30	26°49	17°47	29° 6	16°20	10°55	25°D33	24°47	3° 4	18°42	S 27
M28	0 51 42	11° 1'10	20°55	25°45	27° 4	2°54	27° 2	17°54	29° 5	16°19	10°55	25°33	24°44	3°11	18°39	M28
T 29	0 55 38	12° 0'47	5♌ 5	27°20	28°12	3°18	27°15	18° 1	29° 3	16°19	10°56	25°34	24°41	3°17	18°36	T 29
W30	0 59 35	13♎ 0'26	19♌31	28♍57	29♌19	3♋42	27♎28	18♎ 9	29♉ 2	16♒18	10♋56	25♓35	24♓38	3♓24	18♓34	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n10	25n37	4n35	0s14	3s45	18n26	2s11	22n57	0s14	7s25	1n 4	3s43	2n19	19n57	0s11	16s20	0s29	23n 8	0n 1	1s43	1s32	13s34	0n 3	4n26
W 2	5 47	21 20	3 46	0n20	3 34	18 20	2 5	23 1	0 12	7 29	1 4	3 46	2 19	19 57	0 11	16 20	0 29	23 8	0 1	1 44	1 33	13 31	0 2	4 26
T 3	5 24	15 37	2 40	0 56	3 22	18 13	1 59	23 4	0 11	7 34	1 4	3 48	2 19	19 57	0 11	16 21	0 29	23 8	0 1	1 44	1 34	13 28	0 1	4 26
F 4	5 1	8 55	1 23	1 34	3 8	18 6	1 54	23 7	0 10	7 39	1 4	3 51	2 18	19 57	0 11	16 21	0 29	23 8	0 1	1 45	1 36	13 25	0s 1	4 26
S 5	4 38	1 44	0s 0	2 15	2 52	17 58	1 48	23 11	0 9	7 43	1 3	3 54	2 18	19 57	0 11	16 21	0 29	23 8	0 2	1 45	1 37	13 22	0 2	4 26
S 6	4 15	5s28	1 22	2 55	2 34	17 50	1 42	23 14	0 7	7 48	1 3	3 56	2 18	19 57	0 11	16 22	0 29	23 8	0 2	1 45	1 38	13 19	0 3	4 26
M 7	3 52	12 14	2 37	3 36	2 16	17 41	1 36	23 17	0 6	7 52	1 3	3 59	2 18	19 57	0 11	16 22	0 29	23 8	0 2	1 44	1 39	13 15	0 4	4 26
T 8	3 28	18 10	3 40	4 15	1 57	17 31	1 31	23 19	0 5	7 57	1 3	4 2	2 18	19 56	0 11	16 23	0 29	23 8	0 2	1 44	1 41	13 12	0 5	4 26
W 9	3 5	22 59	4 28	4 53	1 37	17 22	1 25	23 22	0 3	8 2	1 3	4 4	2 18	19 56	0 11	16 23	0 29	23 8	0 2	1 44	1 42	13 9	0 6	4 26
T 10	2 42	26 26	5 0	5 27	1 16	17 11	1 20	23 25	0 2	8 6	1 3	4 7	2 18	19 56	0 11	16 23	0 29	23 8	0 2	1 44	1 43	13 6	0 7	4 26
F 11	2 18	28 22	5 16	5 59	0 56	17 0	1 14	23 27	0 0	8 11	1 3	4 10	2 18	19 56	0 11	16 24	0 29	23 8	0 2	1 44	1 45	13 3	0 9	4 25
S 12	1 55	28 48	5 16	6 26	0 37	16 49	1 9	23 30	0n 1	8 15	1 3	4 13	2 18	19 56	0 11	16 24	0 29	23 8	0 2	1 44	1 46	13 0	0 10	4 25
S 13	1 31	27 46	5 1	6 49	0 18	16 37	1 3	23 32	0 2	8 20	1 2	4 15	2 18	19 56	0 11	16 24	0 29	23 8	0 2	1 44	1 47	12 57	0 11	4 25
M14	1 8	25 27	4 33	7 7	0n 1	16 25	0 58	23 34	0 4	8 25	1 2	4 18	2 18	19 56	0 11	16 25	0 29	23 8	0 2	1 44	1 48	12 53	0 12	4 25
T 15	0 44	22 2	3 54	7 19	0 18	16 12	0 53	23 36	0 5	8 29	1 2	4 21	2 18	19 55	0 11	16 25	0 29	23 8	0 2	1 44	1 50	12 50	0 13	4 25
W16	0 20	17 46	3 5	7 27	0 33	15 59	0 47	23 38	0 7	8 34	1 2	4 24	2 18	19 55	0 11	16 25	0 29	23 8	0 2	1 44	1 51	12 47	0 14	4 25
T 17	0s 3	12 50	2 8	7 30	0 48	15 45	0 42	23 40	0 8	8 39	1 2	4 26	2 17	19 55	0 11	16 26	0 29	23 8	0 2	1 44	1 52	12 44	0 16	4 25
F 18	0 27	7 26	1 6	7 28	1 1	15 31	0 37	23 42	0 10	8 44	1 2	4 29	2 17	19 55	0 11	16 26	0 29	23 8	0 2	1 43	1 53	12 41	0 17	4 25
S 19	0 50	1 44	0 0	7 21	1 13	15 16	0 32	23 44	0 11	8 48	1 2	4 32	2 17	19 55	0 11	16 26	0 29	23 8	0 2	1 43	1 55	12 38	0 18	4 25
S 20	1 14	4n 4	1n 6	7 9	1 23	15 1	0 27	23 46	0 13	8 53	1 2	4 35	2 17	19 54	0 11	16 27	0 29	23 8	0 2	1 43	1 56	12 34	0 19	4 25
M21	1 38	9 47	2 10	6 53	1 32	14 45	0 22	23 47	0 14	8 58	1 2	4 37	2 17	19 54	0 11	16 27	0 29	23 8	0 3	1 44	1 57	12 31	0 20	4 24
T 22	2 1	15 13	3 9	6 34	1 39	14 29	0 17	23 49	0 16	9 2	1 2	4 40	2 17	19 54	0 11	16 27	0 29	23 8	0 3	1 44	1 58	12 28	0 21	4 24
W23	2 25	20 6	3 59	6 10	1 46	14 12	0 12	23 50	0 18	9 7	1 1	4 43	2 17	19 54	0 11	16 28	0 29	23 8	0 3	1 45	2 0	12 25	0 23	4 24
T 24	2 49	24 11	4 39	5 44	1 51	13 55	0 8	23 52	0 19	9 12	1 1	4 46	2 17	19 53	0 11	16 28	0 29	23 9	0 3	1 45	2 1	12 22	0 24	4 24
F 25	3 12	27 8	5 5	5 14	1 54	13 38	0 3	23 53	0 21	9 17	1 1	4 48	2 17	19 53	0 11	16 28	0 29	23 9	0 3	1 46	2 2	12 19	0 25	4 24
S 26	3 36	28 39	5 16	4 42	1 57	13 20	0n 2	23 54	0 23	9 21	1 1	4 51	2 17	19 53	0 11	16 28	0 29	23 9	0 3	1 46	2 4	12 15	0 26	4 24
S 27	3 59	28 31	5 10	4 8	1 59	13 1	0 6	23 56	0 24	9 26	1 1	4 54	2 17	19 52	0 11	16 29	0 29	23 9	0 3	1 46	2 5	12 12	0 27	4 24
M28	4 23	26 37	4 46	3 32	2 0	12 43	0 11	23 57	0 26	9 31	1 1	4 57	2 17	19 52	0 11	16 29	0 29	23 9	0 3	1 46	2 6	12 9	0 28	4 23
T 29	4 46	23 2	4 4	2 54	2 0	12 23	0 15	23 58	0 28	9 35	1 1	4 59	2 17	19 52	0 11	16 29	0 29	23 9	0 3	1 46	2 7	12 6	0 29	4 23
W30	5s10	17n59	3n 7	2n14	1n59	12n 4	0n19	23n59	0n30	9s40	1n 1	5s 2	2n17	19n52	0s11	16s29	0s29	23n 9	0n 3	1s46	2s 9	12s 3	0s31	4n23

Julian Day Number = 2154852.5, Delta T = 13m48s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'49, Lahiri = 12°31'49 Julian Calendar 1 Sept. 1187 == Greg. Calendar 8 Sept. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

OCTOBER 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 3 31	14♎ 0'07	4♍12	0♎36	0♍27	4♋ 5	27♎41	18♎16	29°R 0	16°R17	10♋56	25♓37	24♓35	3♓31	18°R32	T 1
F 2	1 7 28	14°59'51	19° 1	2°15	1°35	4°27	27°54	18°23	28♉59	16♒16	10°56	25°R37	24°31	3°37	18♓29	F 2
S 3	1 11 24	15°59'37	3♎53	3°55	2°44	4°49	28° 7	18°30	28°57	16°16	10°56	25°37	24°28	3°44	18°27	S 3
S 4	1 15 21	16°59'25	18°39	5°36	3°52	5°11	28°20	18°38	28°56	16°15	10°56	25°36	24°25	3°51	18°24	S 4
M 5	1 19 18	17°59'15	3♏13	7°17	5° 1	5°32	28°33	18°45	28°54	16°15	10°R56	25°34	24°22	3°57	18°22	M 5
T 6	1 23 14	18°59'07	17°28	8°58	6°10	5°53	28°46	18°52	28°52	16°14	10°56	25°31	24°19	4° 4	18°20	T 6
W 7	1 27 11	19°59'01	1♐20	10°40	7°19	6°13	28°59	18°59	28°50	16°14	10°56	25°27	24°16	4°11	18°17	W 7
T 8	1 31 7	20°58'56	14°46	12°21	8°28	6°33	29°12	19° 6	28°48	16°13	10°56	25°24	24°12	4°17	18°15	T 8
F 9	1 35 4	21°58'54	27°46	14° 2	9°37	6°53	29°25	19°14	28°47	16°13	10°56	25°20	24° 9	4°24	18°13	F 9
S 10	1 39 0	22°58'53	10♑24	15°43	10°47	7°12	29°38	19°21	28°45	16°12	10°56	25°18	24° 6	4°31	18°11	S 10
S 11	1 42 57	23°58'54	22°42	17°24	11°56	7°30	29°52	19°28	28°43	16°12	10°56	25°D18	24° 3	4°37	18° 9	S 11
M12	1 46 53	24°58'56	4♒46	19° 4	13° 6	7°48	0♏ 5	19°35	28°41	16°11	10°56	25°18	24° 0	4°44	18° 7	M12
T 13	1 50 50	25°59'00	16°39	20°44	14°16	8° 5	0°18	19°42	28°39	16°11	10°55	25°20	23°56	4°51	18° 5	T 13
W14	1 54 47	26°59'06	28°28	22°24	15°26	8°22	0°31	19°50	28°37	16°11	10°55	25°21	23°53	4°57	18° 2	W14
T 15	1 58 43	27°59'13	10♓17	24° 3	16°37	8°39	0°44	19°57	28°35	16°11	10°55	25°23	23°50	5° 4	18° 1	T 15
F 16	2 2 40	28°59'22	22° 9	25°42	17°47	8°54	0°58	20° 4	28°33	16°10	10°55	25°R24	23°47	5°10	17°59	F 16
S 17	2 6 36	29°59'32	4♈ 9	27°20	18°58	9°10	1°11	20°11	28°31	16°10	10°55	25°24	23°44	5°17	17°57	S 17
S 18	2 10 33	0♏59'45	16°20	28°58	20° 8	9°24	1°24	20°18	28°28	16°10	10°54	25°22	23°41	5°24	17°55	S 18
M19	2 14 29	1°59'59	28°43	0♏36	21°19	9°38	1°37	20°25	28°26	16°10	10°54	25°18	23°37	5°30	17°53	M19
T 20	2 18 26	3° 0'15	11♉20	2°13	22°30	9°52	1°50	20°33	28°24	16°10	10°54	25°12	23°34	5°37	17°51	T 20
W21	2 22 22	4° 0'32	24°10	3°50	23°41	10° 5	2° 4	20°40	28°22	16°10	10°53	25° 6	23°31	5°44	17°50	W21
T 22	2 26 19	5° 0'52	7♊14	5°26	24°52	10°17	2°17	20°47	28°20	16°D10	10°53	24°59	23°28	5°50	17°48	T 22
F 23	2 30 16	6° 1'14	20°31	7° 2	26° 4	10°28	2°30	20°54	28°17	16°10	10°52	24°52	23°25	5°57	17°46	F 23
S 24	2 34 12	7° 1'37	4♋ 0	8°38	27°15	10°39	2°43	21° 1	28°15	16°10	10°52	24°46	23°22	6° 4	17°45	S 24
S 25	2 38 9	8° 2'03	17°40	10°14	28°27	10°50	2°56	21° 8	28°13	16°10	10°51	24°42	23°18	6°10	17°43	S 25
M26	2 42 5	9° 2'30	1♌30	11°49	29°38	10°59	3°10	21°15	28°10	16°10	10°51	24°40	23°15	6°17	17°42	M26
T 27	2 46 2	10° 2'59	15°30	13°24	0♎50	11° 8	3°23	21°22	28° 8	16°10	10°50	24°D40	23°12	6°24	17°40	T 27
W28	2 49 58	11° 3'30	29°40	14°58	2° 2	11°16	3°36	21°29	28° 6	16°10	10°50	24°41	23° 9	6°30	17°39	W28
T 29	2 53 55	12° 4'04	13♍57	16°32	3°14	11°24	3°49	21°36	28° 3	16°11	10°49	24°42	23° 6	6°37	17°37	T 29
F 30	2 57 51	13° 4'38	28°21	18° 7	4°26	11°31	4° 2	21°43	28° 1	16°11	10°49	24°R43	23° 2	6°44	17°36	F 30
S 31	3 1 48	14♏ 5'15	12♎46	19♏40	5♎38	11♋37	4♏16	21♎50	27♉58	16♒11	10♋48	24♓41	22♓59	6♓50	17♓35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s33	11n49	1n56	1n33	1n57	11n44	0n24	24n 0	0n31	9s45	1n 1	5s 5	2n17	19n51	0s11	16s30	0s29	23n 9	0n 3	1s45	2s10	11s59	0s32	4n23
F 2	5 56	4 55	0 36	0 52	1 55	11 23	0 28	24 1	0 33	9 50	1 1	5 8	2 17	19 51	0 11	16 30	0 29	23 9	0 3	1 45	2 11	11 56	0 33	4 23
S 3	6 19	2s15	0s45	0 9	1 53	11 2	0 32	24 2	0 35	9 54	1 1	5 10	2 17	19 50	0 11	16 30	0 29	23 9	0 3	1 45	2 12	11 53	0 34	4 23
S 4	6 42	9 15	2 4	0s34	1 49	10 41	0 36	24 3	0 37	9 59	1 1	5 13	2 17	19 50	0 11	16 30	0 29	23 9	0 3	1 45	2 14	11 50	0 35	4 22
M 5	7 5	15 39	3 13	1 17	1 46	10 20	0 39	24 4	0 39	10 4	1 0	5 16	2 17	19 50	0 11	16 30	0 29	23 9	0 3	1 46	2 15	11 47	0 36	4 22
T 6	7 28	21 5	4 8	2 1	1 41	9 58	0 43	24 5	0 41	10 9	1 0	5 19	2 17	19 49	0 11	16 30	0 29	23 9	0 4	1 47	2 16	11 43	0 37	4 22
W 7	7 51	25 12	4 47	2 45	1 37	9 35	0 47	24 6	0 42	10 13	1 0	5 21	2 17	19 49	0 11	16 31	0 29	23 9	0 4	1 49	2 17	11 40	0 38	4 22
T 8	8 13	27 47	5 9	3 29	1 32	9 13	0 51	24 7	0 44	10 18	1 0	5 24	2 17	19 49	0 11	16 31	0 29	23 9	0 4	1 50	2 19	11 37	0 39	4 22
F 9	8 36	28 46	5 14	4 14	1 27	8 50	0 54	24 8	0 46	10 23	1 0	5 27	2 17	19 48	0 11	16 31	0 29	23 9	0 4	1 52	2 20	11 34	0 40	4 21
S 10	8 58	28 11	5 3	4 58	1 22	8 27	0 57	24 9	0 48	10 27	1 0	5 30	2 17	19 48	0 11	16 31	0 29	23 9	0 4	1 52	2 21	11 31	0 41	4 21
S 11	9 21	26 13	4 39	5 42	1 16	8 3	1 1	24 10	0 50	10 32	1 0	5 32	2 17	19 47	0 11	16 31	0 29	23 10	0 4	1 53	2 22	11 27	0 42	4 21
M12	9 43	23 5	4 3	6 25	1 10	7 39	1 4	24 11	0 53	10 37	1 0	5 35	2 17	19 47	0 11	16 31	0 29	23 10	0 4	1 52	2 24	11 24	0 43	4 21
T 13	10 5	19 2	3 17	7 9	1 4	7 15	1 7	24 12	0 55	10 42	1 0	5 38	2 17	19 46	0 11	16 31	0 29	23 10	0 4	1 52	2 25	11 21	0 44	4 21
W14	10 27	14 17	2 22	7 52	0 58	6 51	1 10	24 13	0 57	10 46	1 0	5 40	2 17	19 46	0 11	16 31	0 29	23 10	0 4	1 51	2 26	11 18	0 45	4 20
T 15	10 48	9 1	1 22	8 34	0 52	6 26	1 13	24 15	0 59	10 51	1 0	5 43	2 17	19 46	0 11	16 31	0 29	23 10	0 4	1 51	2 28	11 14	0 46	4 20
F 16	11 10	3 24	0 18	9 16	0 45	6 1	1 16	24 16	1 1	10 56	1 0	5 46	2 17	19 45	0 11	16 31	0 29	23 10	0 4	1 50	2 29	11 11	0 47	4 20
S 17	11 31	2n23	0n48	9 58	0 39	5 36	1 19	24 17	1 3	11 0	1 0	5 48	2 17	19 45	0 11	16 32	0 29	23 10	0 4	1 50	2 30	11 8	0 48	4 20
S 18	11 52	8 10	1 52	10 39	0 32	5 10	1 22	24 18	1 5	11 5	1 0	5 51	2 17	19 44	0 11	16 32	0 29	23 10	0 4	1 51	2 31	11 5	0 49	4 19
M19	12 13	13 44	2 52	11 20	0 25	4 45	1 24	24 19	1 8	11 9	1 0	5 54	2 17	19 44	0 11	16 32	0 29	23 10	0 4	1 53	2 33	11 1	0 50	4 19
T 20	12 34	18 50	3 44	12 0	0 19	4 19	1 27	24 20	1 10	11 14	1 0	5 56	2 17	19 43	0 11	16 32	0 29	23 10	0 4	1 55	2 34	10 58	0 51	4 19
W21	12 55	23 11	4 26	12 40	0 12	3 53	1 29	24 22	1 12	11 19	1 0	5 59	2 17	19 43	0 11	16 32	0 29	23 10	0 4	1 57	2 35	10 55	0 52	4 19
T 22	13 15	26 28	4 55	13 19	0 5	3 27	1 31	24 23	1 15	11 23	1 0	6 2	2 17	19 42	0 11	16 32	0 29	23 10	0 5	2 0	2 36	10 52	0 53	4 19
F 23	13 35	28 20	5 8	13 57	0s 1	3 0	1 33	24 25	1 17	11 28	1 0	6 4	2 17	19 42	0 11	16 32	0 29	23 11	0 5	2 3	2 38	10 48	0 54	4 18
S 24	13 55	28 34	5 5	14 34	0 8	2 33	1 36	24 26	1 19	11 32	0 59	6 7	2 17	19 41	0 11	16 32	0 29	23 11	0 5	2 5	2 39	10 45	0 54	4 18
S 25	14 15	27 5	4 45	15 11	0 15	2 7	1 38	24 28	1 22	11 37	0 59	6 9	2 18	19 41	0 11	16 32	0 29	23 11	0 5	2 7	2 40	10 42	0 55	4 18
M26	14 34	23 57	4 8	15 47	0 21	1 40	1 39	24 29	1 24	11 42	0 59	6 12	2 18	19 40	0 11	16 32	0 29	23 11	0 5	2 7	2 41	10 39	0 56	4 18
T 27	14 54	19 22	3 16	16 22	0 28	1 13	1 41	24 31	1 27	11 46	0 59	6 15	2 18	19 40	0 11	16 31	0 29	23 11	0 5	2 8	2 43	10 35	0 57	4 17
W28	15 13	13 41	2 11	16 57	0 34	0 46	1 43	24 33	1 29	11 51	0 59	6 17	2 18	19 39	0 11	16 31	0 29	23 11	0 5	2 7	2 44	10 32	0 58	4 17
T 29	15 32	7 14	0 58	17 30	0 41	0 18	1 44	24 35	1 32	11 55	0 59	6 20	2 18	19 39	0 11	16 31	0 29	23 11	0 5	2 7	2 45	10 29	0 58	4 17
F 30	15 50	0 22	0s20	18 3	0 47	0s 9	1 46	24 37	1 34	12 0	0 59	6 22	2 18	19 38	0 11	16 31	0 29	23 11	0 5	2 7	2 46	10 26	0 59	4 16
S 31	16s 8	6s32	1s36	18s35	0s53	0s36	1n47	24n39	1n37	12s 4	0n59	6s25	2n18	19n38	0s11	16s31	0s29	23n11	0n 5	2s 7	2s48	10s22	1s 0	4n16

Julian Day Number = 2154882.5, Delta T = 13m48s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'53, Lahiri = 12°31'54 Julian Calendar 1 Oct. 1187 == Greg. Calendar 8 Oct. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

NOVEMBER 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 5 45	15♏ 5'53	27♎10	21♏14	6♎51	11♋42	4♏29	21♎57	27°R56	16♒11	10°R48	24°R38	22♓56	6♓57	17°R34	S 1
M 2	3 9 41	16° 6'33	11♏26	22°47	8° 3	11°47	4°42	22° 3	27♉53	16°12	10♋47	24♓31	22°53	7° 4	17♓33	M 2
T 3	3 13 38	17° 7'15	25°29	24°21	9°15	11°50	4°55	22°10	27°51	16°12	10°46	24°23	22°50	7°10	17°31	T 3
W 4	3 17 34	18° 7'58	9♐13	25°54	10°28	11°53	5° 8	22°17	27°48	16°13	10°46	24°14	22°47	7°17	17°30	W 4
T 5	3 21 31	19° 8'42	22°37	27°27	11°41	11°56	5°21	22°24	27°46	16°13	10°45	24° 4	22°43	7°24	17°29	T 5
F 6	3 25 27	20° 9'28	5♑38	28°59	12°53	11°57	5°34	22°30	27°43	16°14	10°44	23°55	22°40	7°30	17°29	F 6
S 7	3 29 24	21°10'14	18°18	0♐32	14° 6	11°R57	5°47	22°37	27°41	16°14	10°43	23°48	22°37	7°37	17°28	S 7
S 8	3 33 20	22°11'02	0♒38	2° 4	15°19	11°57	6° 0	22°44	27°38	16°15	10°43	23°43	22°34	7°43	17°27	S 8
M 9	3 37 17	23°11'51	12°42	3°36	16°32	11°56	6°13	22°50	27°36	16°15	10°42	23°40	22°31	7°50	17°26	M 9
T 10	3 41 14	24°12'41	24°36	5° 9	17°45	11°54	6°26	22°57	27°33	16°16	10°41	23°D40	22°28	7°57	17°25	T 10
W11	3 45 10	25°13'31	6♓24	6°40	18°58	11°51	6°39	23° 3	27°31	16°17	10°40	23°40	22°24	8° 3	17°25	W11
T 12	3 49 7	26°14'23	18°13	8°12	20°11	11°48	6°52	23°10	27°28	16°17	10°39	23°R41	22°21	8°10	17°24	T 12
F 13	3 53 3	27°15'15	0♈ 7	9°44	21°24	11°44	7° 5	23°16	27°26	16°18	10°38	23°41	22°18	8°17	17°24	F 13
S 14	3 57 0	28°16'09	12°11	11°15	22°38	11°38	7°18	23°23	27°23	16°19	10°38	23°39	22°15	8°23	17°23	S 14
S 15	4 0 56	29°17'03	24°30	12°46	23°51	11°32	7°30	23°29	27°21	16°20	10°37	23°35	22°12	8°30	17°23	S 15
M16	4 4 53	0♐17'58	7♉ 5	14°17	25° 5	11°25	7°43	23°35	27°18	16°20	10°36	23°28	22° 8	8°37	17°22	M16
T 17	4 8 49	1°18'55	19°59	15°48	26°18	11°17	7°56	23°41	27°16	16°21	10°35	23°18	22° 5	8°43	17°22	T 17
W18	4 12 46	2°19'52	3♊12	17°18	27°32	11° 9	8° 8	23°48	27°13	16°22	10°34	23° 7	22° 2	8°50	17°22	W18
T 19	4 16 43	3°20'50	16°41	18°48	28°45	10°59	8°21	23°54	27°10	16°23	10°33	22°55	21°59	8°57	17°22	T 19
F 20	4 20 39	4°21'49	0♋25	20°17	29°59	10°49	8°34	24° 0	27° 8	16°24	10°32	22°43	21°56	9° 3	17°21	F 20
S 21	4 24 36	5°22'50	14°18	21°46	1♏12	10°38	8°46	24° 6	27° 5	16°25	10°31	22°33	21°53	9°10	17°21	S 21
S 22	4 28 32	6°23'51	28°19	23°14	2°26	10°26	8°59	24°12	27° 3	16°26	10°30	22°25	21°49	9°17	17°D21	S 22
M23	4 32 29	7°24'54	12♌22	24°41	3°40	10°13	9°11	24°18	27° 0	16°27	10°29	22°20	21°46	9°23	17°21	M23
T 24	4 36 25	8°25'57	26°28	26° 7	4°54	9°59	9°24	24°24	26°58	16°28	10°28	22°18	21°43	9°30	17°21	T 24
W25	4 40 22	9°27'02	10♍33	27°32	6° 8	9°45	9°36	24°29	26°56	16°29	10°27	22°D17	21°40	9°37	17°21	W25
T 26	4 44 18	10°28'07	24°37	28°56	7°22	9°30	9°48	24°35	26°53	16°30	10°26	22°R18	21°37	9°43	17°22	T 26
F 27	4 48 15	11°29'13	8♎39	0♑18	8°36	9°14	10° 0	24°41	26°51	16°32	10°25	22°17	21°33	9°50	17°22	F 27
S 28	4 52 12	12°30'21	22°39	1°39	9°50	8°57	10°13	24°47	26°48	16°33	10°23	22°14	21°30	9°56	17°22	S 28
S 29	4 56 8	13°31'29	6♏35	2°57	11° 4	8°40	10°25	24°52	26°46	16°34	10°22	22° 8	21°27	10° 3	17°23	S 29
M30	5 0 5	14♐32'38	20♏25	4♑12	12♏18	8♋22	10♏37	24♎58	26♉43	16♒35	10♋21	21♓59	21♓24	10♓10	17♓23	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s26	13s 5	2s46	19s 6	0s59	1s 4	1n49	24n41	1n39	12s 8	0n59	6s27	2n18	19n37	0s11	16s31	0s29	23n12	0n 5	2s 9	2s49	10s19	1s 1	4n16
M 2	16 44	18 53	3 44	19 36	1 5	1 32	1 50	24 43	1 42	12 13	0 59	6 30	2 18	19 36	0 11	16 31	0 29	23 12	0 5	2 11	2 50	10 16	1 1	4 16
T 3	17 1	23 33	4 28	20 5	1 11	1 59	1 51	24 45	1 45	12 17	0 59	6 32	2 18	19 36	0 11	16 31	0 29	23 12	0 5	2 14	2 52	10 13	1 2	4 15
W 4	17 18	26 48	4 55	20 33	1 17	2 27	1 52	24 48	1 47	12 22	0 59	6 34	2 18	19 35	0 11	16 31	0 29	23 12	0 5	2 18	2 53	10 9	1 3	4 15
T 5	17 35	28 25	5 5	21 1	1 22	2 54	1 53	24 50	1 50	12 26	0 59	6 37	2 18	19 35	0 11	16 31	0 29	23 12	0 5	2 22	2 54	10 6	1 3	4 15
F 6	17 52	28 25	4 59	21 27	1 28	3 22	1 54	24 53	1 53	12 30	0 59	6 39	2 18	19 34	0 11	16 30	0 29	23 12	0 6	2 26	2 55	10 3	1 4	4 15
S 7	18 8	26 53	4 38	21 52	1 33	3 50	1 54	24 55	1 55	12 35	0 59	6 42	2 19	19 34	0 11	16 30	0 29	23 12	0 6	2 28	2 57	9 59	1 4	4 14
S 8	18 24	24 5	4 5	22 16	1 38	4 17	1 55	24 58	1 58	12 39	0 59	6 44	2 19	19 33	0 11	16 30	0 29	23 12	0 6	2 30	2 58	9 56	1 5	4 14
M 9	18 39	20 17	3 21	22 39	1 43	4 45	1 56	25 1	2 1	12 43	0 59	6 46	2 19	19 33	0 11	16 30	0 29	23 13	0 6	2 31	2 59	9 53	1 6	4 14
T 10	18 55	15 43	2 29	23 1	1 47	5 13	1 56	25 4	2 4	12 48	0 59	6 49	2 19	19 32	0 11	16 30	0 29	23 13	0 6	2 32	3 0	9 50	1 6	4 14
W11	19 9	10 37	1 31	23 21	1 52	5 40	1 56	25 7	2 7	12 52	0 59	6 51	2 19	19 31	0 10	16 29	0 29	23 13	0 6	2 31	3 2	9 46	1 7	4 13
T 12	19 24	5 8	0 29	23 41	1 56	6 8	1 57	25 10	2 9	12 56	0 59	6 53	2 19	19 31	0 10	16 29	0 29	23 13	0 6	2 31	3 3	9 43	1 7	4 13
F 13	19 38	0n34	0n34	23 59	1 59	6 35	1 57	25 13	2 12	13 0	0 59	6 56	2 19	19 30	0 10	16 29	0 29	23 13	0 6	2 31	3 4	9 40	1 8	4 13
S 14	19 52	6 20	1 37	24 16	2 3	7 2	1 57	25 17	2 15	13 4	0 59	6 58	2 19	19 30	0 10	16 29	0 29	23 13	0 6	2 32	3 5	9 36	1 8	4 12
S 15	20 5	11 57	2 36	24 31	2 6	7 29	1 57	25 20	2 18	13 9	0 59	7 0	2 19	19 29	0 10	16 29	0 29	23 13	0 6	2 34	3 7	9 33	1 8	4 12
M16	20 18	17 14	3 29	24 45	2 9	7 56	1 57	25 24	2 21	13 13	0 59	7 2	2 20	19 29	0 10	16 28	0 29	23 13	0 6	2 36	3 8	9 30	1 9	4 12
T 17	20 31	21 52	4 13	24 58	2 12	8 23	1 56	25 27	2 24	13 17	0 59	7 4	2 20	19 28	0 10	16 28	0 29	23 14	0 6	2 40	3 9	9 26	1 9	4 12
W18	20 43	25 32	4 44	25 10	2 14	8 50	1 56	25 31	2 27	13 21	0 59	7 7	2 20	19 27	0 10	16 28	0 29	23 14	0 6	2 45	3 10	9 23	1 10	4 11
T 19	20 55	27 51	5 0	25 20	2 16	9 17	1 56	25 34	2 29	13 25	0 59	7 9	2 20	19 27	0 10	16 27	0 29	23 14	0 6	2 50	3 12	9 20	1 10	4 11
F 20	21 7	28 32	4 59	25 28	2 17	9 43	1 55	25 38	2 32	13 29	0 59	7 11	2 20	19 26	0 10	16 27	0 29	23 14	0 6	2 54	3 13	9 16	1 10	4 11
S 21	21 18	27 25	4 40	25 35	2 18	10 9	1 55	25 42	2 35	13 33	0 59	7 13	2 20	19 26	0 10	16 27	0 29	23 14	0 7	2 58	3 14	9 13	1 11	4 10
S 22	21 28	24 35	4 5	25 41	2 19	10 35	1 54	25 46	2 38	13 37	0 59	7 15	2 20	19 25	0 10	16 27	0 29	23 14	0 7	3 1	3 15	9 10	1 11	4 10
M23	21 39	20 17	3 15	25 45	2 19	11 1	1 53	25 49	2 41	13 41	0 59	7 17	2 21	19 25	0 10	16 26	0 29	23 15	0 7	3 3	3 17	9 7	1 11	4 10
T 24	21 49	14 49	2 12	25 48	2 18	11 27	1 53	25 53	2 44	13 45	0 59	7 19	2 21	19 24	0 10	16 26	0 29	23 15	0 7	3 4	3 18	9 3	1 11	4 10
W25	21 58	8 36	1 2	25 49	2 17	11 52	1 52	25 57	2 46	13 49	0 59	7 21	2 21	19 23	0 10	16 26	0 29	23 15	0 7	3 4	3 19	9 0	1 12	4 9
T 26	22 7	1 58	0s12	25 48	2 15	12 17	1 51	26 1	2 49	13 53	0 59	7 23	2 21	19 23	0 10	16 25	0 29	23 15	0 7	3 4	3 20	8 57	1 12	4 9
F 27	22 16	4s45	1 25	25 46	2 13	12 42	1 50	26 5	2 52	13 57	0 59	7 25	2 21	19 22	0 10	16 25	0 29	23 15	0 7	3 5	3 22	8 53	1 12	4 9
S 28	22 24	11 13	2 33	25 42	2 10	13 7	1 49	26 9	2 55	14 0	0 59	7 27	2 21	19 22	0 10	16 24	0 29	23 15	0 7	3 6	3 23	8 50	1 12	4 8
S 29	22 32	17 6	3 31	25 37	2 6	13 31	1 47	26 13	2 57	14 4	1 0	7 29	2 22	19 21	0 10	16 24	0 29	23 15	0 7	3 8	3 24	8 47	1 12	4 8
M30	22s39	22s 3	4s16	25s30	2s 1	13s55	1n46	26n17	3n 0	14s 8	1n 0	7s30	2n22	19n21	0s10	16s24	0s29	23n16	0n 7	3s12	3s26	8s43	1s12	4n 8

Julian Day Number = 2154913.5, Delta T = 13m48s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°24'57, Lahiri = 12°31'58 Julian Calendar 1 Nov. 1187 == Greg. Calendar 8 Nov. 1187

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ASTRODIENST EPHEMERIS for the year 1187
geocentric

DECEMBER 1187 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 4 1	15♐33'48	4♐ 4	5♑24	13♏32	8°R 3	10♏49	25♎ 3	26°R41	16♒37	10°R20	21°R48	21♓21	10♓16	17♓24	T 1
W 2	5 7 58	16°34'59	17°30	6°33	14°46	7♋43	11° 1	25° 9	26♉39	16°38	10♋19	21♓34	21°18	10°23	17°24	W 2
T 3	5 11 54	17°36'10	0♑40	7°38	16° 1	7°23	11°13	25°14	26°36	16°39	10°18	21°20	21°14	10°30	17°25	T 3
F 4	5 15 51	18°37'21	13°33	8°38	17°15	7° 3	11°25	25°19	26°34	16°41	10°17	21° 7	21°11	10°36	17°25	F 4
S 5	5 19 48	19°38'33	26° 7	9°32	18°29	6°42	11°37	25°24	26°32	16°42	10°15	20°56	21° 8	10°43	17°26	S 5
S 6	5 23 44	20°39'44	8♒25	10°20	19°43	6°20	11°48	25°29	26°29	16°44	10°14	20°48	21° 5	10°50	17°27	S 6
M 7	5 27 41	21°40'56	20°28	11° 1	20°58	5°58	12° 0	25°35	26°27	16°45	10°13	20°43	21° 2	10°56	17°28	M 7
T 8	5 31 37	22°42'08	2♓22	11°34	22°12	5°36	12°12	25°40	26°25	16°47	10°12	20°40	20°59	11° 3	17°29	T 8
W 9	5 35 34	23°43'19	14°10	11°58	23°27	5°13	12°23	25°44	26°23	16°48	10°11	20°39	20°55	11°10	17°29	W 9
T 10	5 39 30	24°44'31	25°57	12°12	24°41	4°50	12°34	25°49	26°21	16°50	10° 9	20°39	20°52	11°16	17°30	T 10
F 11	5 43 27	25°45'43	7♈51	12°R16	25°55	4°26	12°46	25°54	26°19	16°51	10° 8	20°39	20°49	11°23	17°32	F 11
S 12	5 47 23	26°46'54	19°55	12° 8	27°10	4° 3	12°57	25°59	26°16	16°53	10° 7	20°37	20°46	11°30	17°33	S 12
S 13	5 51 20	27°48'05	2♉16	11°48	28°24	3°39	13° 8	26° 3	26°14	16°54	10° 6	20°33	20°43	11°36	17°34	S 13
M14	5 55 17	28°49'16	14°57	11°17	29°39	3°15	13°19	26° 8	26°12	16°56	10° 4	20°26	20°39	11°43	17°35	M14
T 15	5 59 13	29°50'27	28° 1	10°34	0♐53	2°51	13°31	26°12	26°10	16°58	10° 3	20°16	20°36	11°49	17°36	T 15
W16	6 3 10	0♑51'38	11♊29	9°40	2° 8	2°27	13°41	26°17	26° 8	16°59	10° 2	20° 5	20°33	11°56	17°38	W16
T 17	6 7 6	1°52'49	25°19	8°37	3°22	2° 3	13°52	26°21	26° 6	17° 1	10° 1	19°52	20°30	12° 3	17°39	T 17
F 18	6 11 3	2°53'59	9♋28	7°26	4°37	1°39	14° 3	26°25	26° 5	17° 3	9°59	19°40	20°27	12° 9	17°40	F 18
S 19	6 14 59	3°55'09	23°50	6° 9	5°52	1°16	14°14	26°29	26° 3	17° 5	9°58	19°29	20°24	12°16	17°42	S 19
S 20	6 18 56	4°56'20	8♌18	4°49	7° 6	0°52	14°25	26°33	26° 1	17° 6	9°57	19°21	20°20	12°23	17°43	S 20
M21	6 22 52	5°57'30	22°46	3°28	8°21	0°29	14°35	26°37	25°59	17° 8	9°55	19°16	20°17	12°29	17°45	M21
T 22	6 26 49	6°58'40	7♍11	2°10	9°35	0° 5	14°46	26°41	25°57	17°10	9°54	19°13	20°14	12°36	17°47	T 22
W23	6 30 46	7°59'50	21°27	0°56	10°50	29♊43	14°56	26°45	25°56	17°12	9°53	19°D13	20°11	12°43	17°48	W23
T 24	6 34 42	9° 1'00	5♎33	29♐48	12° 5	29°20	15° 6	26°49	25°54	17°14	9°52	19°R13	20° 8	12°49	17°50	T 24
F 25	6 38 39	10° 2'09	19°28	28°48	13°20	28°58	15°16	26°52	25°52	17°16	9°50	19°13	20° 5	12°56	17°52	F 25
S 26	6 42 35	11° 3'19	3♏14	27°57	14°34	28°36	15°26	26°56	25°51	17°18	9°49	19°11	20° 1	13° 3	17°54	S 26
S 27	6 46 32	12° 4'29	16°49	27°16	15°49	28°15	15°36	26°59	25°49	17°20	9°48	19° 6	19°58	13° 9	17°55	S 27
M28	6 50 28	13° 5'38	0♐13	26°44	17° 4	27°54	15°46	27° 3	25°48	17°22	9°46	18°59	19°55	13°16	17°57	M28
T 29	6 54 25	14° 6'47	13°27	26°21	18°18	27°34	15°56	27° 6	25°46	17°23	9°45	18°49	19°52	13°23	17°59	T 29
W30	6 58 22	15° 7'56	26°29	26° 8	19°33	27°14	16° 6	27° 9	25°45	17°25	9°44	18°37	19°49	13°29	18° 1	W30
T 31	7 2 18	16♑ 9'04	9♑19	26°D 4	20♐48	26♊55	16♏15	27♎12	25♉43	17♒27	9♋43	18♓25	19♓46	13♓36	18♓ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	22s46	25s44	4s46	25s22	1s55	14s18	1n45	26n20	3n 3	14s12	1n 0	7s32	2n22	19n20	0s10	16s23	0s29	23n16	0n 7	3s16		3s27		8s40		1s12	4n 7
W 2	22 52	27 55	4 59	25 12	1 49	14 42	1 43	26 24	3 5	14 15	1 0	7 34	2 22	19 20	0 10	16 23	0 29	23 16	0 7	3 21		3 28		8 37		1 12	4 7
T 3	22 58	28 29	4 56	25 1	1 41	15 5	1 42	26 28	3 8	14 19	1 0	7 36	2 22	19 19	0 10	16 22	0 29	23 16	0 7	3 27		3 29		8 33		1 12	4 7
F 4	23 3	27 27	4 38	24 48	1 33	15 27	1 40	26 31	3 10	14 23	1 0	7 38	2 22	19 19	0 10	16 22	0 29	23 16	0 7	3 32		3 31		8 30		1 12	4 7
S 5	23 8	25 3	4 6	24 35	1 23	15 49	1 39	26 35	3 12	14 26	1 0	7 39	2 23	19 18	0 10	16 22	0 29	23 16	0 7	3 36		3 32		8 27		1 12	4 6
S 6	23 13	21 31	3 24	24 20	1 12	16 11	1 37	26 38	3 15	14 30	1 0	7 41	2 23	19 18	0 10	16 21	0 29	23 16	0 8	3 40		3 33		8 23		1 12	4 6
M 7	23 17	17 8	2 32	24 5	1 0	16 33	1 36	26 41	3 17	14 33	1 0	7 43	2 23	19 17	0 10	16 21	0 29	23 17	0 8	3 42		3 34		8 20		1 12	4 6
T 8	23 21	12 10	1 35	23 49	0 46	16 53	1 34	26 45	3 19	14 37	1 0	7 44	2 23	19 16	0 10	16 20	0 29	23 17	0 8	3 43		3 36		8 17		1 12	4 5
W 9	23 24	6 47	0 34	23 32	0 32	17 14	1 32	26 48	3 21	14 40	1 0	7 46	2 23	19 16	0 10	16 20	0 29	23 17	0 8	3 43		3 37		8 13		1 12	4 5
T 10	23 27	1 11	0n28	23 15	0 16	17 34	1 30	26 51	3 23	14 44	1 0	7 48	2 24	19 16	0 10	16 19	0 29	23 17	0 8	3 43		3 38		8 10		1 12	4 5
F 11	23 29	4n30	1 30	22 58	0n 1	17 54	1 28	26 53	3 25	14 47	1 0	7 49	2 24	19 15	0 10	16 19	0 29	23 17	0 8	3 43		3 39		8 7		1 12	4 5
S 12	23 30	10 7	2 28	22 40	0 19	18 13	1 26	26 56	3 27	14 50	1 0	7 51	2 24	19 15	0 10	16 18	0 29	23 17	0 8	3 44		3 41		8 3		1 12	4 4
S 13	23 32	15 28	3 21	22 23	0 38	18 32	1 24	26 58	3 29	14 54	1 0	7 52	2 24	19 14	0 10	16 18	0 29	23 18	0 8	3 46		3 42		8 0		1 11	4 4
M14	23 32	20 18	4 6	22 7	0 57	18 50	1 22	27 1	3 30	14 57	1 0	7 54	2 24	19 14	0 10	16 17	0 29	23 18	0 8	3 49		3 43		7 57		1 11	4 4
T 15	23 33	24 20	4 39	21 51	1 17	19 8	1 20	27 3	3 32	15 0	1 0	7 55	2 25	19 13	0 10	16 17	0 29	23 18	0 8	3 52		3 44		7 53		1 11	4 4
W16	23 33	27 10	4 57	21 35	1 36	19 25	1 18	27 5	3 34	15 4	1 0	7 56	2 25	19 13	0 10	16 16	0 29	23 18	0 8	3 57		3 46		7 50		1 11	4 3
T 17	23 32	28 27	4 59	21 21	1 55	19 41	1 15	27 7	3 35	15 7	1 0	7 58	2 25	19 12	0 10	16 16	0 29	23 18	0 8	4 2		3 47		7 46		1 10	4 3
F 18	23 31	27 55	4 43	21 7	2 13	19 57	1 13	27 8	3 36	15 10	1 0	7 59	2 25	19 12	0 10	16 15	0 29	23 18	0 8	4 7		3 48		7 43		1 10	4 3
S 19	23 29	25 31	4 9	20 55	2 30	20 13	1 11	27 10	3 37	15 13	1 1	8 0	2 25	19 11	0 10	16 15	0 29	23 19	0 8	4 11		3 49		7 40		1 10	4 2
S 20	23 27	21 28	3 19	20 43	2 44	20 28	1 9	27 11	3 39	15 16	1 1	8 2	2 26	19 11	0 10	16 14	0 29	23 19	0 8	4 14		3 51		7 36		1 10	4 2
M21	23 25	16 7	2 15	20 33	2 57	20 42	1 6	27 12	3 40	15 19	1 1	8 3	2 26	19 11	0 10	16 14	0 29	23 19	0 8	4 16		3 52		7 33		1 9	4 2
T 22	23 22	9 54	1 3	20 25	3 7	20 56	1 4	27 13	3 41	15 22	1 1	8 4	2 26	19 10	0 10	16 13	0 29	23 19	0 9	4 17		3 53		7 30		1 9	4 2
W23	23 18	3 14	0s12	20 18	3 14	21 10	1 1	27 14	3 41	15 25	1 1	8 5	2 26	19 10	0 10	16 13	0 29	23 19	0 9	4 17		3 54		7 26		1 8	4 1
T 24	23 14	3s31	1 26	20 14	3 19	21 22	0 59	27 15	3 42	15 28	1 1	8 6	2 27	19 9	0 10	16 12	0 29	23 19	0 9	4 17		3 56		7 23		1 8	4 1
F 25	23 10	10 1	2 33	20 11	3 22	21 34	0 56	27 15	3 43	15 31	1 1	8 7	2 27	19 9	0 10	16 11	0 29	23 20	0 9	4 17		3 57		7 20		1 7	4 1
S 26	23 5	15 57	3 31	20 10	3 22	21 46	0 54	27 16	3 43	15 34	1 1	8 8	2 27	19 9	0 10	16 11	0 29	23 20	0 9	4 18		3 58		7 16		1 7	4 1
S 27	23 0	21 2	4 17	20 11	3 21	21 56	0 51	27 16	3 44	15 37	1 1	8 9	2 27	19 8	0 10	16 10	0 29	23 20	0 9	4 20		3 59		7 13		1 6	4 0
M28	22 54	24 58	4 47	20 13	3 17	22 6	0 49	27 16	3 44	15 39	1 1	8 10	2 27	19 8	0 10	16 10	0 29	23 20	0 9	4 23		4 1		7 9		1 6	4 0
T 29	22 48	27 30	5 2	20 17	3 12	22 16	0 46	27 16	3 44	15 42	1 1	8 11	2 28	19 8	0 10	16 9	0 29	23 20	0 9	4 27		4 2		7 6		1 5	4 0
W30	22 41	28 30	5 0	20 23	3 6	22 25	0 43	27 15	3 44	15 45	1 1	8 12	2 28	19 7	0 10	16 8	0 29	23 20	0 9	4 31		4 3		7 3		1 5	4 0
T 31	22s34	27s56	4s43	20s30	2n59	22s33	0n41	27n15	3n44	15s48	1n 2	8s13	2n28	19n 7	0s10	16s 8	0s29	23n21	0n 9	4s36		4s 4		6s59		1s 4	3n59

Julian Day Number = 2154943.5, Delta T = 13m48s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'02, Lahiri = 12°32'02 Julian Calendar 1 Dec. 1187 == Greg. Calendar 8 Dec. 1187

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

JANUARY 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 6 15	17♑10'12	21♑55	26♐ 8	22♐ 3	26°R37	16♏25	27♎15	25°R42	17♒30	9°R41	18°R14	19♓42	13♓43	18♓ 6	F 1
S 2	7 10 11	18°11'19	4♒18	26°20	23°17	26♊19	16°34	27°18	25♉41	17°32	9♋40	18♓ 4	19°39	13°49	18° 8	S 2
S 3	7 14 8	19°12'25	16°28	26°39	24°32	26° 2	16°43	27°21	25°40	17°34	9°39	17°57	19°36	13°56	18°10	S 3
M 4	7 18 4	20°13'30	28°27	27° 5	25°47	25°46	16°52	27°24	25°38	17°36	9°37	17°52	19°33	14° 2	18°12	M 4
T 5	7 22 1	21°14'34	10♓18	27°36	27° 2	25°30	17° 1	27°26	25°37	17°38	9°36	17°50	19°30	14° 9	18°15	T 5
W 6	7 25 57	22°15'37	22° 5	28°13	28°17	25°15	17°10	27°29	25°36	17°40	9°35	17°D49	19°26	14°16	18°17	W 6
T 7	7 29 54	23°16'39	3♈52	28°54	29°31	25° 1	17°19	27°31	25°35	17°42	9°34	17°50	19°23	14°22	18°19	T 7
F 8	7 33 51	24°17'39	15°44	29°40	0♑46	24°48	17°27	27°33	25°34	17°44	9°32	17°51	19°20	14°29	18°22	F 8
S 9	7 37 47	25°18'39	27°46	0♑30	2° 1	24°35	17°36	27°36	25°33	17°46	9°31	17°R52	19°17	14°36	18°24	S 9
S 10	7 41 44	26°19'37	10♉ 5	1°24	3°16	24°23	17°44	27°38	25°32	17°48	9°30	17°51	19°14	14°42	18°27	S 10
M11	7 45 40	27°20'34	22°44	2°20	4°31	24°12	17°52	27°40	25°31	17°50	9°29	17°47	19°11	14°49	18°29	M11
T 12	7 49 37	28°21'30	5♊48	3°20	5°45	24° 2	18° 1	27°42	25°31	17°53	9°28	17°42	19° 7	14°56	18°32	T 12
W13	7 53 33	29°22'25	19°19	4°23	7° 0	23°53	18° 9	27°44	25°30	17°55	9°26	17°35	19° 4	15° 2	18°34	W13
T 14	7 57 30	0♒23'18	3♋17	5°28	8°15	23°44	18°16	27°45	25°29	17°57	9°25	17°27	19° 1	15° 9	18°37	T 14
F 15	8 1 26	1°24'10	17°39	6°35	9°30	23°37	18°24	27°47	25°29	17°59	9°24	17°19	18°58	15°16	18°40	F 15
S 16	8 5 23	2°25'01	2♌20	7°45	10°44	23°30	18°32	27°48	25°28	18° 1	9°23	17°12	18°55	15°22	18°43	S 16
S 17	8 9 20	3°25'50	17°12	8°56	11°59	23°23	18°39	27°50	25°27	18° 4	9°22	17° 7	18°52	15°29	18°45	S 17
M18	8 13 16	4°26'39	2♍ 7	10° 9	13°14	23°18	18°46	27°51	25°27	18° 6	9°20	17° 4	18°48	15°35	18°48	M18
T 19	8 17 13	5°27'26	16°57	11°24	14°29	23°14	18°54	27°52	25°26	18° 8	9°19	17°D 3	18°45	15°42	18°51	T 19
W20	8 21 9	6°28'12	1♎35	12°40	15°44	23°10	19° 1	27°53	25°26	18°10	9°18	17° 4	18°42	15°49	18°54	W20
T 21	8 25 6	7°28'57	15°57	13°58	16°58	23° 7	19° 8	27°54	25°26	18°13	9°17	17° 6	18°39	15°55	18°57	T 21
F 22	8 29 2	8°29'41	0♏ 1	15°17	18°13	23° 5	19°14	27°55	25°25	18°15	9°16	17° 7	18°36	16° 2	19° 0	F 22
S 23	8 32 59	9°30'23	13°46	16°38	19°28	23° 3	19°21	27°56	25°25	18°17	9°15	17°R 7	18°32	16° 9	19° 3	S 23
S 24	8 36 55	10°31'05	27°13	18° 0	20°43	23°D 2	19°27	27°57	25°25	18°19	9°14	17° 6	18°29	16°15	19° 6	S 24
M25	8 40 52	11°31'46	10♐24	19°23	21°58	23° 3	19°34	27°57	25°25	18°22	9°13	17° 3	18°26	16°22	19° 9	M25
T 26	8 44 49	12°32'26	23°19	20°47	23°12	23° 3	19°40	27°58	25°25	18°24	9°12	16°58	18°23	16°29	19°12	T 26
W27	8 48 45	13°33'04	6♑ 1	22°12	24°27	23° 5	19°46	27°58	25°D25	18°26	9°11	16°52	18°20	16°35	19°15	W27
T 28	8 52 42	14°33'41	18°31	23°38	25°42	23° 7	19°52	27°58	25°25	18°28	9°10	16°46	18°17	16°42	19°18	T 28
F 29	8 56 38	15°34'16	0♒49	25° 6	26°57	23°10	19°57	27°59	25°25	18°31	9° 9	16°41	18°13	16°49	19°21	F 29
S 30	9 0 35	16°34'50	12°58	26°34	28°12	23°14	20° 3	27°R59	25°25	18°33	9° 8	16°36	18°10	16°55	19°24	S 30
S 31	9 4 31	17♒35'22	24♒58	28♑ 3	29♑26	23♊18	20♏ 8	27♎59	25♉25	18♒35	9♋ 7	16♓32	18♓ 7	17♓ 2	19♓28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s26	25s55	4s13	20s38	2n51	22s40	0n38	27n15	3n44	15s50	1n 2	8s14	2n28	19n 7	0s10	16s 7	0s29	23n21	0n 9	4s40	4s 6	6s56	1s 4	3n59
S 2	22 18	22 41	3 31	20 47	2 43	22 47	0 35	27 14	3 44	15 53	1 2	8 15	2 29	19 6	0 10	16 7	0 29	23 21	0 9	4 44	4 7	6 53	1 3	3 59
S 3	22 10	18 30	2 40	20 57	2 34	22 53	0 33	27 13	3 44	15 55	1 2	8 16	2 29	19 6	0 10	16 6	0 29	23 21	0 9	4 47	4 8	6 49	1 2	3 59
M 4	22 1	13 39	1 42	21 7	2 24	22 59	0 30	27 13	3 44	15 58	1 2	8 16	2 29	19 6	0 10	16 5	0 29	23 21	0 9	4 49	4 9	6 46	1 2	3 58
T 5	21 52	8 21	0 40	21 17	2 14	23 3	0 27	27 12	3 44	16 0	1 2	8 17	2 29	19 6	0 10	16 5	0 29	23 21	0 9	4 50	4 11	6 42	1 1	3 58
W 6	21 42	2 48	0n23	21 28	2 4	23 7	0 25	27 11	3 43	16 3	1 2	8 18	2 30	19 5	0 10	16 4	0 29	23 21	0 10	4 50	4 12	6 39	1 0	3 58
T 7	21 32	2n51	1 25	21 39	1 54	23 11	0 22	27 10	3 43	16 5	1 2	8 18	2 30	19 5	0 10	16 3	0 29	23 22	0 10	4 50	4 13	6 36	1 0	3 58
F 8	21 21	8 26	2 24	21 49	1 44	23 13	0 19	27 9	3 42	16 7	1 2	8 19	2 30	19 5	0 10	16 3	0 29	23 22	0 10	4 49	4 14	6 32	0 59	3 57
S 9	21 10	13 48	3 18	21 59	1 34	23 15	0 17	27 8	3 42	16 10	1 2	8 20	2 30	19 5	0 10	16 2	0 29	23 22	0 10	4 49	4 16	6 29	0 58	3 57
S 10	20 59	18 45	4 4	22 9	1 23	23 16	0 14	27 7	3 41	16 12	1 2	8 20	2 31	19 5	0 10	16 1	0 29	23 22	0 10	4 50	4 17	6 25	0 57	3 57
M11	20 47	23 2	4 39	22 18	1 13	23 17	0 11	27 5	3 41	16 14	1 3	8 21	2 31	19 4	0 10	16 1	0 29	23 22	0 10	4 51	4 18	6 22	0 57	3 57
T 12	20 35	26 19	5 1	22 27	1 3	23 17	0 9	27 4	3 40	16 16	1 3	8 21	2 31	19 4	0 10	16 0	0 29	23 22	0 10	4 53	4 19	6 19	0 56	3 57
W13	20 22	28 14	5 8	22 35	0 54	23 16	0 6	27 3	3 39	16 18	1 3	8 21	2 31	19 4	0 10	15 59	0 29	23 23	0 10	4 56	4 21	6 15	0 55	3 56
T 14	20 9	28 27	4 56	22 42	0 44	23 14	0 3	27 2	3 38	16 20	1 3	8 22	2 32	19 4	0 10	15 59	0 29	23 23	0 10	4 59	4 22	6 12	0 54	3 56
F 15	19 56	26 47	4 26	22 49	0 34	23 12	0 1	27 1	3 37	16 22	1 3	8 22	2 32	19 4	0 10	15 58	0 29	23 23	0 10	5 2	4 23	6 8	0 53	3 56
S 16	19 43	23 16	3 38	22 54	0 25	23 9	0s 2	26 59	3 36	16 24	1 3	8 22	2 32	19 4	0 10	15 57	0 29	23 23	0 10	5 4	4 24	6 5	0 52	3 56
S 17	19 29	18 12	2 35	22 59	0 16	23 5	0 5	26 58	3 35	16 26	1 3	8 23	2 32	19 3	0 10	15 57	0 29	23 23	0 10	5 6	4 26	6 2	0 52	3 55
M18	19 14	12 1	1 20	23 3	0 7	23 0	0 7	26 57	3 34	16 28	1 3	8 23	2 33	19 3	0 10	15 56	0 29	23 23	0 10	5 8	4 27	5 58	0 51	3 55
T 19	18 59	5 11	0 1	23 5	0s 2	22 55	0 10	26 56	3 33	16 30	1 3	8 23	2 33	19 3	0 10	15 55	0 29	23 23	0 10	5 8	4 28	5 55	0 50	3 55
W20	18 44	1s50	1s18	23 7	0 10	22 49	0 13	26 54	3 32	16 32	1 4	8 23	2 33	19 3	0 9	15 55	0 29	23 24	0 10	5 8	4 29	5 52	0 49	3 55
T 21	18 29	8 37	2 31	23 7	0 19	22 43	0 15	26 53	3 31	16 34	1 4	8 23	2 33	19 3	0 9	15 54	0 29	23 24	0 10	5 7	4 31	5 48	0 48	3 55
F 22	18 13	14 50	3 32	23 7	0 27	22 36	0 18	26 52	3 30	16 35	1 4	8 23	2 34	19 3	0 9	15 53	0 29	23 24	0 11	5 7	4 32	5 45	0 47	3 54
S 23	17 57	20 11	4 21	23 5	0 35	22 28	0 20	26 51	3 29	16 37	1 4	8 23	2 34	19 3	0 9	15 53	0 29	23 24	0 11	5 7	4 33	5 41	0 46	3 54
S 24	17 41	24 23	4 53	23 2	0 42	22 19	0 23	26 49	3 28	16 39	1 4	8 23	2 34	19 3	0 9	15 52	0 29	23 24	0 11	5 7	4 34	5 38	0 45	3 54
M25	17 24	27 12	5 9	22 57	0 49	22 10	0 25	26 48	3 27	16 40	1 4	8 23	2 34	19 3	0 9	15 51	0 29	23 24	0 11	5 8	4 36	5 34	0 44	3 54
T 26	17 7	28 32	5 10	22 52	0 56	22 0	0 28	26 47	3 26	16 42	1 4	8 23	2 35	19 3	0 9	15 51	0 29	23 24	0 11	5 10	4 37	5 31	0 43	3 54
W27	16 50	28 19	4 54	22 45	1 3	21 49	0 30	26 46	3 24	16 43	1 4	8 23	2 35	19 3	0 9	15 50	0 29	23 25	0 11	5 12	4 38	5 28	0 42	3 54
T 28	16 32	26 39	4 25	22 36	1 9	21 38	0 32	26 45	3 23	16 45	1 5	8 23	2 35	19 3	0 9	15 49	0 29	23 25	0 11	5 15	4 39	5 24	0 41	3 53
F 29	16 14	23 43	3 44	22 27	1 16	21 26	0 35	26 44	3 22	16 46	1 5	8 23	2 35	19 3	0 9	15 48	0 29	23 25	0 11	5 17	4 41	5 21	0 40	3 53
S 30	15 56	19 46	2 54	22 16	1 21	21 13	0 37	26 43	3 21	16 48	1 5	8 23	2 36	19 3	0 9	15 48	0 29	23 25	0 11	5 19	4 42	5 17	0 38	3 53
S 31	15s38	15s 4	1s56	22s 4	1s27	21s 0	0s39	26n42	3n19	16s49	1n 5	8s22	2n36	19n 3	0s 9	15s47	0s29	23n25	0n11	5s20	4s43	5s14	0s37	3n53

Julian Day Number = 2154974.5, Delta T = 13m47s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'06, Lahiri = 12°32'06 Julian Calendar 1 Jan. 1188 == Greg. Calendar 8 Jan. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

FEBRUARY 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 8 28	18♒35'53	6♓51	29♉34	0♒41	23♊23	20♏13	27°R59	25♉26	18♒38	9°R 6	16°R30	18♓ 4	17♓ 9	19♓31	M 1
T 2	9 12 24	19°36'22	18°39	1♒ 5	1°56	23°29	20°18	27♎58	25°26	18°40	9♋ 5	16°D30	18° 1	17°15	19°34	T 2
W 3	9 16 21	20°36'49	0♈25	2°37	3°11	23°36	20°23	27°58	25°26	18°42	9° 4	16♓31	17°57	17°22	19°37	W 3
T 4	9 20 18	21°37'14	12°13	4°11	4°25	23°43	20°28	27°57	25°27	18°44	9° 3	16°32	17°54	17°28	19°41	T 4
F 5	9 24 14	22°37'37	24° 6	5°45	5°40	23°50	20°32	27°57	25°27	18°47	9° 2	16°34	17°51	17°35	19°44	F 5
S 6	9 28 11	23°37'59	6♉ 8	7°20	6°55	23°59	20°37	27°56	25°28	18°49	9° 1	16°36	17°48	17°42	19°47	S 6
S 7	9 32 7	24°38'18	18°24	8°56	8°10	24° 8	20°41	27°55	25°28	18°51	9° 0	16°37	17°45	17°48	19°51	S 7
M 8	9 36 4	25°38'35	0♊58	10°34	9°24	24°17	20°45	27°55	25°29	18°53	8°59	16°R37	17°42	17°55	19°54	M 8
T 9	9 40 0	26°38'51	13°56	12°12	10°39	24°27	20°49	27°54	25°30	18°56	8°59	16°36	17°38	18° 2	19°58	T 9
W10	9 43 57	27°39'04	27°21	13°51	11°54	24°38	20°53	27°53	25°30	18°58	8°58	16°34	17°35	18° 8	20° 1	W10
T 11	9 47 53	28°39'15	11♋13	15°32	13° 8	24°49	20°56	27°51	25°31	19° 0	8°57	16°32	17°32	18°15	20° 4	T 11
F 12	9 51 50	29°39'24	25°32	17°13	14°23	25° 1	20°59	27°50	25°32	19° 3	8°56	16°29	17°29	18°22	20° 8	F 12
S 13	9 55 47	0♓39'31	10♌16	18°55	15°38	25°13	21° 3	27°49	25°33	19° 5	8°55	16°27	17°26	18°28	20°11	S 13
S 14	9 59 43	1°39'36	25°17	20°39	16°52	25°26	21° 6	27°47	25°34	19° 7	8°55	16°26	17°23	18°35	20°15	S 14
M15	10 3 40	2°39'39	10♍27	22°23	18° 7	25°39	21° 8	27°46	25°35	19° 9	8°54	16°D25	17°19	18°42	20°18	M15
T 16	10 7 36	3°39'40	25°37	24° 9	19°22	25°53	21°11	27°44	25°36	19°11	8°53	16°25	17°16	18°48	20°22	T 16
W17	10 11 33	4°39'39	10♎37	25°55	20°36	26° 8	21°13	27°42	25°37	19°14	8°53	16°26	17°13	18°55	20°25	W17
T 18	10 15 29	5°39'37	25°20	27°43	21°51	26°22	21°16	27°40	25°38	19°16	8°52	16°27	17°10	19° 1	20°29	T 18
F 19	10 19 26	6°39'33	9♏41	29°32	23° 5	26°38	21°18	27°39	25°39	19°18	8°51	16°28	17° 7	19° 8	20°33	F 19
S 20	10 23 22	7°39'27	23°37	1♓22	24°20	26°53	21°20	27°36	25°40	19°20	8°51	16°28	17° 3	19°15	20°36	S 20
S 21	10 27 19	8°39'20	7♐ 9	3°14	25°35	27°10	21°21	27°34	25°42	19°22	8°50	16°R28	17° 0	19°21	20°40	S 21
M22	10 31 16	9°39'11	20°18	5° 6	26°49	27°26	21°23	27°32	25°43	19°25	8°50	16°28	16°57	19°28	20°43	M22
T 23	10 35 12	10°39'00	3♑ 5	6°59	28° 4	27°43	21°24	27°30	25°44	19°27	8°49	16°28	16°54	19°35	20°47	T 23
W24	10 39 9	11°38'47	15°36	8°54	29°19	28° 1	21°25	27°27	25°46	19°29	8°49	16°27	16°51	19°41	20°51	W24
T 25	10 43 5	12°38'33	27°52	10°50	0♓33	28°19	21°26	27°25	25°47	19°31	8°48	16°27	16°48	19°48	20°54	T 25
F 26	10 47 2	13°38'17	9♒58	12°46	1°48	28°37	21°27	27°22	25°49	19°33	8°48	16°26	16°44	19°55	20°58	F 26
S 27	10 50 58	14°37'59	21°55	14°44	3° 2	28°56	21°28	27°20	25°51	19°35	8°47	16°26	16°41	20° 1	21° 1	S 27
S 28	10 54 55	15°37'38	3♓46	16°42	4°17	29°15	21°28	27°17	25°52	19°37	8°47	16°26	16°38	20° 8	21° 5	S 28
M29	10 58 51	16♓37'16	15♓34	18♓42	5♓31	29♊34	21♏28	27♎14	25♉54	19♒40	8♋47	16♓26	16♓35	20♓15	21♓ 9	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s19	9s51	0s53	21s50	1s32	20s46	0s41	26n41	3n18	16s50	1n 5	8s22	2n36	19n 3	0s 9	15s46	0s29	23n25	0n11	5s21	4s44	5s11	0s36	3n53
T 2	15 0	4 20	0n12	21 35	1 37	20 32	0 44	26 40	3 17	16 51	1 5	8 22	2 36	19 3	0 9	15 46	0 29	23 25	0 11	5 21	4 46	5 7	0 35	3 53
W 3	14 41	1n20	1 16	21 19	1 42	20 17	0 46	26 39	3 16	16 53	1 5	8 22	2 37	19 4	0 9	15 45	0 29	23 25	0 11	5 21	4 47	5 4	0 34	3 52
T 4	14 22	6 57	2 17	21 1	1 46	20 1	0 48	26 38	3 14	16 54	1 5	8 21	2 37	19 4	0 9	15 44	0 29	23 26	0 11	5 20	4 48	5 0	0 33	3 52
F 5	14 2	12 22	3 13	20 41	1 50	19 45	0 50	26 37	3 13	16 55	1 6	8 21	2 37	19 4	0 9	15 44	0 29	23 26	0 11	5 19	4 49	4 57	0 32	3 52
S 6	13 42	17 24	4 1	20 21	1 53	19 28	0 52	26 36	3 12	16 56	1 6	8 20	2 37	19 4	0 9	15 43	0 29	23 26	0 11	5 19	4 51	4 54	0 30	3 52
S 7	13 22	21 50	4 39	19 58	1 56	19 10	0 54	26 35	3 11	16 57	1 6	8 20	2 38	19 4	0 9	15 42	0 29	23 26	0 12	5 18	4 52	4 50	0 29	3 52
M 8	13 2	25 24	5 4	19 35	1 59	18 52	0 56	26 34	3 9	16 58	1 6	8 19	2 38	19 4	0 9	15 41	0 29	23 26	0 12	5 18	4 53	4 47	0 28	3 52
T 9	12 41	27 48	5 16	19 10	2 2	18 34	0 58	26 34	3 8	16 59	1 6	8 19	2 38	19 4	0 9	15 41	0 29	23 26	0 12	5 19	4 54	4 43	0 27	3 52
W10	12 21	28 42	5 10	18 43	2 4	18 15	0 59	26 33	3 7	16 59	1 6	8 18	2 38	19 5	0 9	15 40	0 29	23 26	0 12	5 20	4 56	4 40	0 26	3 51
T 11	12 0	27 51	4 47	18 15	2 5	17 55	1 1	26 32	3 5	17 0	1 6	8 17	2 39	19 5	0 9	15 39	0 29	23 26	0 12	5 20	4 57	4 36	0 24	3 51
F 12	11 39	25 9	4 6	17 45	2 7	17 35	1 3	26 31	3 4	17 1	1 7	8 17	2 39	19 5	0 9	15 39	0 29	23 26	0 12	5 21	4 58	4 33	0 23	3 51
S 13	11 17	20 45	3 7	17 14	2 8	17 15	1 4	26 30	3 3	17 2	1 7	8 16	2 39	19 5	0 9	15 38	0 29	23 27	0 12	5 22	4 59	4 30	0 22	3 51
S 14	10 56	14 57	1 55	16 42	2 8	16 54	1 6	26 30	3 2	17 2	1 7	8 15	2 39	19 5	0 9	15 37	0 29	23 27	0 12	5 23	5 1	4 26	0 21	3 51
M15	10 34	8 11	0 33	16 8	2 8	16 32	1 8	26 29	3 0	17 3	1 7	8 14	2 40	19 6	0 9	15 37	0 29	23 27	0 12	5 23	5 2	4 23	0 19	3 51
T 16	10 13	0 58	0s51	15 32	2 7	16 11	1 9	26 28	2 59	17 3	1 7	8 14	2 40	19 6	0 9	15 36	0 29	23 27	0 12	5 23	5 3	4 19	0 18	3 51
W17	9 51	6s13	2 10	14 55	2 7	15 48	1 11	26 27	2 58	17 4	1 7	8 13	2 40	19 6	0 9	15 35	0 29	23 27	0 12	5 23	5 4	4 16	0 17	3 51
T 18	9 29	12 56	3 20	14 17	2 5	15 25	1 12	26 26	2 57	17 4	1 7	8 12	2 40	19 7	0 9	15 35	0 29	23 27	0 12	5 22	5 6	4 12	0 15	3 50
F 19	9 6	18 48	4 15	13 36	2 3	15 2	1 13	26 25	2 55	17 5	1 7	8 11	2 41	19 7	0 9	15 34	0 29	23 27	0 12	5 22	5 7	4 9	0 14	3 50
S 20	8 44	23 29	4 53	12 55	2 1	14 38	1 15	26 25	2 54	17 5	1 8	8 10	2 41	19 7	0 9	15 33	0 29	23 27	0 12	5 22	5 8	4 6	0 13	3 50
S 21	8 22	26 45	5 13	12 12	1 58	14 14	1 16	26 24	2 53	17 5	1 8	8 9	2 41	19 7	0 9	15 33	0 29	23 27	0 12	5 22	5 9	4 2	0 12	3 50
M22	7 59	28 27	5 17	11 28	1 55	13 50	1 17	26 23	2 52	17 6	1 8	8 8	2 41	19 8	0 9	15 32	0 29	23 28	0 12	5 22	5 10	3 59	0 10	3 50
T 23	7 36	28 35	5 4	10 42	1 51	13 25	1 18	26 22	2 50	17 6	1 8	8 7	2 41	19 8	0 9	15 31	0 29	23 28	0 12	5 22	5 12	3 55	0 9	3 50
W24	7 14	27 13	4 38	9 55	1 46	13 0	1 19	26 21	2 49	17 6	1 8	8 6	2 42	19 9	0 9	15 31	0 29	23 28	0 13	5 22	5 13	3 52	0 8	3 50
T 25	6 51	24 34	3 58	9 6	1 41	12 34	1 20	26 20	2 48	17 6	1 8	8 5	2 42	19 9	0 9	15 30	0 29	23 28	0 13	5 22	5 14	3 48	0 6	3 50
F 26	6 28	20 52	3 9	8 16	1 36	12 9	1 21	26 19	2 47	17 6	1 8	8 4	2 42	19 9	0 9	15 29	0 29	23 28	0 13	5 22	5 15	3 45	0 5	3 50
S 27	6 5	16 21	2 12	7 25	1 30	11 42	1 22	26 18	2 45	17 6	1 9	8 3	2 42	19 10	0 9	15 29	0 29	23 28	0 13	5 23	5 17	3 42	0 3	3 50
S 28	5 41	11 15	1 10	6 32	1 23	11 16	1 22	26 17	2 44	17 6	1 9	8 2	2 42	19 10	0 9	15 28	0 30	23 28	0 13	5 23	5 18	3 38	0 2	3 50
M29	5s18	5s47	0s 5	5s39	1s16	10s49	1s23	26n16	2n43	17s 6	1n 9	8s 0	2n43	19n11	0s 9	15s27	0s30	23n28	0n13	5s23	5s19	3s35	0s 1	3n49

Julian Day Number = 2155005.5, Delta T = 13m47s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'10, Lahiri = 12°32'10 Julian Calendar 1 Feb. 1188 == Greg. Calendar 8 Feb. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

MARCH 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 48	17♓36'52	27♓21	20♓42	6♓46	29♊54	21°R28	27°R11	25♉56	19♒42	8°R46	16°R26	16♓32	20♓21	21♓12	T 1
W 2	11 6 45	18°36'26	9♈ 9	22°42	8° 0	0♋14	21♏28	27♎ 8	25°57	19°44	8♋46	16♓26	16°29	20°28	21°16	W 2
T 3	11 10 41	19°35'57	21° 1	24°43	9°15	0°34	21°28	27° 5	25°59	19°46	8°46	16°26	16°25	20°34	21°20	T 3
F 4	11 14 38	20°35'26	2♉58	26°44	10°29	0°55	21°27	27° 2	26° 1	19°48	8°45	16°25	16°22	20°41	21°23	F 4
S 5	11 18 34	21°34'54	15° 5	28°46	11°44	1°16	21°26	26°59	26° 3	19°50	8°45	16°24	16°19	20°48	21°27	S 5
S 6	11 22 31	22°34'18	27°24	0♈46	12°58	1°38	21°25	26°56	26° 5	19°52	8°45	16°24	16°16	20°54	21°31	S 6
M 7	11 26 27	23°33'41	9♊59	2°47	14°13	2° 0	21°24	26°52	26° 7	19°54	8°45	16°23	16°13	21° 1	21°34	M 7
T 8	11 30 24	24°33'01	22°53	4°46	15°27	2°22	21°23	26°49	26° 9	19°56	8°44	16°D23	16° 9	21° 8	21°38	T 8
W 9	11 34 20	25°32'19	6♋ 9	6°44	16°42	2°44	21°21	26°45	26°11	19°58	8°44	16°23	16° 6	21°14	21°42	W 9
T 10	11 38 17	26°31'35	19°50	8°41	17°56	3° 7	21°20	26°42	26°13	20° 0	8°44	16°24	16° 3	21°21	21°45	T 10
F 11	11 42 14	27°30'48	3♌57	10°35	19°10	3°30	21°18	26°38	26°15	20° 1	8°44	16°25	16° 0	21°28	21°49	F 11
S 12	11 46 10	28°29'59	18°28	12°28	20°25	3°53	21°16	26°35	26°17	20° 3	8°44	16°26	15°57	21°34	21°53	S 12
S 13	11 50 7	29°29'07	3♍21	14°17	21°39	4°17	21°14	26°31	26°20	20° 5	8°44	16°26	15°54	21°41	21°56	S 13
M14	11 54 3	0♈28'13	18°28	16° 3	22°54	4°41	21°11	26°27	26°22	20° 7	8°44	16°R27	15°50	21°48	22° 0	M14
T 15	11 58 0	1°27'17	3♎41	17°46	24° 8	5° 5	21° 9	26°23	26°24	20° 9	8°D44	16°26	15°47	21°54	22° 3	T 15
W16	12 1 56	2°26'19	18°51	19°24	25°22	5°29	21° 6	26°19	26°27	20°11	8°44	16°25	15°44	22° 1	22° 7	W16
T 17	12 5 53	3°25'19	3♏47	20°59	26°37	5°54	21° 3	26°15	26°29	20°13	8°44	16°23	15°41	22° 8	22°11	T 17
F 18	12 9 49	4°24'17	18°23	22°28	27°51	6°18	21° 0	26°11	26°31	20°14	8°44	16°20	15°38	22°14	22°14	F 18
S 19	12 13 46	5°23'13	2♐33	23°53	29° 5	6°44	20°56	26° 7	26°34	20°16	8°44	16°18	15°35	22°21	22°18	S 19
S 20	12 17 42	6°22'08	16°15	25°13	0♈19	7° 9	20°53	26° 3	26°36	20°18	8°44	16°16	15°31	22°27	22°21	S 20
M21	12 21 39	7°21'00	29°29	26°27	1°34	7°34	20°49	25°59	26°39	20°19	8°44	16°15	15°28	22°34	22°25	M21
T 22	12 25 36	8°19'51	12♑18	27°36	2°48	8° 0	20°46	25°55	26°42	20°21	8°44	16°D15	15°25	22°41	22°29	T 22
W23	12 29 32	9°18'41	24°47	28°40	4° 2	8°26	20°42	25°51	26°44	20°23	8°44	16°16	15°22	22°47	22°32	W23
T 24	12 33 29	10°17'28	6♒58	29°37	5°16	8°52	20°37	25°46	26°47	20°24	8°45	16°17	15°19	22°54	22°36	T 24
F 25	12 37 25	11°16'14	18°57	0♉28	6°31	9°19	20°33	25°42	26°49	20°26	8°45	16°19	15°15	23° 1	22°39	F 25
S 26	12 41 22	12°14'57	0♓48	1°14	7°45	9°45	20°29	25°38	26°52	20°28	8°45	16°21	15°12	23° 7	22°43	S 26
S 27	12 45 18	13°13'39	12°35	1°53	8°59	10°12	20°24	25°33	26°55	20°29	8°45	16°R21	15° 9	23°14	22°46	S 27
M28	12 49 15	14°12'19	24°21	2°26	10°13	10°39	20°19	25°29	26°58	20°31	8°46	16°21	15° 6	23°21	22°50	M28
T 29	12 53 11	15°10'57	6♈ 9	2°52	11°28	11° 6	20°14	25°25	27° 1	20°32	8°46	16°20	15° 3	23°27	22°53	T 29
W30	12 57 8	16° 9'34	18° 2	3°13	12°42	11°34	20° 9	25°20	27° 3	20°34	8°46	16°16	15° 0	23°34	22°56	W30
T 31	13 1 5	17♈ 8'08	0♉ 2	3♉27	13♈56	12♋ 1	20♏ 4	25♎16	27♉ 6	20♒35	8♋47	16♓12	14♓56	23♓41	23♓ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s55	0s 8	1n 0	4s44	1s 8	10s22	1s24	26n15	2n42	17s 6	1n 9	7s59	2n43	19n11	0s 9	15s27	0s30	23n28	0n13	5s23	5s20	3s31	0n 1	3n49
W 2	4 32	5n32	2 3	3 49	0 59	9 55	1 24	26 14	2 41	17 6	1 9	7 58	2 43	19 11	0 9	15 26	0 30	23 28	0 13	5 23	5 22	3 28	0 2	3 49
T 3	4 8	11 1	3 1	2 53	0 51	9 27	1 25	26 12	2 40	17 6	1 9	7 57	2 43	19 12	0 9	15 25	0 30	23 28	0 13	5 23	5 23	3 24	0 3	3 49
F 4	3 45	16 10	3 51	1 56	0 41	8 59	1 25	26 11	2 38	17 5	1 9	7 55	2 43	19 12	0 9	15 25	0 30	23 28	0 13	5 23	5 24	3 21	0 5	3 49
S 5	3 21	20 45	4 31	0 58	0 31	8 31	1 26	26 10	2 37	17 5	1 9	7 54	2 43	19 13	0 9	15 24	0 30	23 29	0 13	5 23	5 25	3 18	0 6	3 49
S 6	2 58	24 32	5 0	0 1	0 21	8 3	1 26	26 8	2 36	17 5	1 10	7 53	2 44	19 13	0 9	15 24	0 30	23 29	0 13	5 24	5 27	3 14	0 8	3 49
M 7	2 34	27 15	5 16	0n57	0 10	7 34	1 26	26 7	2 35	17 4	1 10	7 51	2 44	19 14	0 9	15 23	0 30	23 29	0 13	5 24	5 28	3 11	0 9	3 49
T 8	2 10	28 36	5 15	1 55	0n 1	7 5	1 27	26 5	2 34	17 4	1 10	7 50	2 44	19 14	0 9	15 22	0 30	23 29	0 13	5 24	5 29	3 7	0 10	3 49
W 9	1 47	28 23	4 59	2 53	0 12	6 36	1 27	26 4	2 33	17 3	1 10	7 49	2 44	19 15	0 9	15 22	0 30	23 29	0 13	5 24	5 30	3 4	0 12	3 49
T 10	1 23	26 27	4 25	3 50	0 24	6 7	1 27	26 2	2 32	17 3	1 10	7 47	2 44	19 15	0 9	15 21	0 30	23 29	0 13	5 24	5 32	3 0	0 13	3 49
F 11	1 0	22 50	3 35	4 46	0 36	5 38	1 27	26 0	2 31	17 2	1 10	7 46	2 44	19 16	0 9	15 21	0 30	23 29	0 13	5 23	5 33	2 57	0 15	3 49
S 12	0 36	17 43	2 29	5 41	0 48	5 9	1 27	25 59	2 29	17 2	1 10	7 44	2 45	19 16	0 9	15 20	0 30	23 29	0 14	5 23	5 34	2 54	0 16	3 49
S 13	0 12	11 26	1 12	6 35	1 0	4 39	1 27	25 57	2 28	17 1	1 10	7 43	2 45	19 17	0 9	15 19	0 30	23 29	0 14	5 23	5 35	2 50	0 17	3 49
M14	0n11	4 25	0s11	7 27	1 12	4 9	1 26	25 55	2 27	17 0	1 10	7 41	2 45	19 17	0 9	15 19	0 30	23 29	0 14	5 22	5 37	2 47	0 19	3 49
T 15	0 35	2s55	1 34	8 17	1 24	3 40	1 26	25 53	2 26	16 59	1 11	7 40	2 45	19 18	0 9	15 18	0 30	23 29	0 14	5 23	5 38	2 43	0 20	3 49
W16	0 58	10 2	2 50	9 6	1 35	3 10	1 26	25 51	2 25	16 59	1 11	7 38	2 45	19 18	0 9	15 18	0 30	23 29	0 14	5 23	5 39	2 40	0 22	3 49
T 17	1 22	16 29	3 53	9 52	1 46	2 40	1 26	25 49	2 24	16 58	1 11	7 37	2 45	19 19	0 9	15 17	0 30	23 29	0 14	5 24	5 40	2 36	0 23	3 49
F 18	1 45	21 51	4 39	10 35	1 57	2 10	1 25	25 47	2 23	16 57	1 11	7 35	2 45	19 20	0 9	15 17	0 30	23 29	0 14	5 25	5 41	2 33	0 24	3 49
S 19	2 9	25 46	5 7	11 17	2 7	1 39	1 25	25 44	2 22	16 56	1 11	7 34	2 45	19 20	0 9	15 16	0 30	23 29	0 14	5 26	5 43	2 29	0 26	3 49
S 20	2 32	28 4	5 16	11 55	2 17	1 9	1 24	25 42	2 21	16 55	1 11	7 32	2 45	19 21	0 8	15 16	0 30	23 29	0 14	5 26	5 44	2 26	0 27	3 49
M21	2 56	28 40	5 8	12 31	2 26	0 39	1 23	25 39	2 20	16 54	1 11	7 31	2 46	19 21	0 8	15 15	0 30	23 30	0 14	5 27	5 45	2 23	0 29	3 49
T 22	3 19	27 41	4 44	13 4	2 34	0 9	1 23	25 37	2 19	16 53	1 11	7 29	2 46	19 22	0 8	15 15	0 30	23 30	0 14	5 27	5 46	2 19	0 30	3 49
W23	3 42	25 19	4 7	13 33	2 41	0n22	1 22	25 34	2 18	16 52	1 11	7 27	2 46	19 23	0 8	15 14	0 30	23 30	0 14	5 27	5 48	2 16	0 31	3 49
T 24	4 6	21 51	3 20	14 0	2 48	0 52	1 21	25 31	2 17	16 50	1 11	7 26	2 46	19 23	0 8	15 14	0 30	23 30	0 14	5 26	5 49	2 12	0 33	3 49
F 25	4 29	17 31	2 25	14 23	2 53	1 22	1 20	25 29	2 16	16 49	1 11	7 24	2 46	19 24	0 8	15 13	0 30	23 30	0 14	5 25	5 50	2 9	0 34	3 49
S 26	4 52	12 34	1 25	14 43	2 58	1 52	1 19	25 26	2 15	16 48	1 12	7 23	2 46	19 25	0 8	15 13	0 30	23 30	0 14	5 25	5 51	2 5	0 36	3 49
S 27	5 15	7 11	0 21	15 0	3 1	2 23	1 18	25 23	2 14	16 47	1 12	7 21	2 46	19 25	0 8	15 12	0 30	23 30	0 14	5 24	5 53	2 2	0 37	3 49
M28	5 38	1 35	0n44	15 14	3 3	2 53	1 17	25 19	2 13	16 45	1 12	7 19	2 46	19 26	0 8	15 12	0 30	23 30	0 14	5 25	5 54	1 59	0 38	3 49
T 29	6 0	4n 5	1 47	15 24	3 4	3 23	1 16	25 16	2 12	16 44	1 12	7 18	2 46	19 27	0 8	15 11	0 30	23 30	0 15	5 25	5 55	1 55	0 40	3 49
W30	6 23	9 39	2 45	15 31	3 4	3 53	1 15	25 13	2 11	16 43	1 12	7 16	2 46	19 27	0 8	15 11	0 30	23 30	0 15	5 26	5 56	1 52	0 41	3 49
T 31	6n46	14n55	3n37	15n35	3n 2	4n23	1s14	25n 9	2n10	16s41	1n12	7s14	2n46	19n28	0s 8	15s10	0s30	23n30	0n15	5s28	5s58	1s48	0n43	3n49

Julian Day Number = 2155034.5, Delta T = 13m47s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'14, Lahiri = 12°32'14 Julian Calendar 1 March 1188 == Greg. Calendar 8 March 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

APRIL 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 5 1	18♈ 6'40	12♉10	3♉36	15♈10	12♋29	19°R59	25°R11	27♉ 9	20♒37	8♋47	16°R 7	14♓53	23♓47	23♓ 3	F 1
S 2	13 8 58	19° 5'11	24°28	3°R38	16°24	12°57	19♏53	25♎ 7	27°12	20°38	8°48	16♓ 1	14°50	23°54	23° 7	S 2
S 3	13 12 54	20° 3'39	6♊57	3°34	17°38	13°25	19°48	25° 2	27°15	20°39	8°48	15°55	14°47	24° 1	23°10	S 3
M 4	13 16 51	21° 2'05	19°39	3°25	18°52	13°53	19°42	24°58	27°18	20°41	8°48	15°51	14°44	24° 7	23°13	M 4
T 5	13 20 47	22° 0'29	2♋37	3°11	20° 7	14°22	19°36	24°53	27°21	20°42	8°49	15°47	14°40	24°14	23°17	T 5
W 6	13 24 44	22°58'51	15°52	2°52	21°21	14°51	19°30	24°49	27°24	20°43	8°49	15°46	14°37	24°20	23°20	W 6
T 7	13 28 40	23°57'11	29°26	2°28	22°35	15°19	19°24	24°44	27°27	20°45	8°50	15°D46	14°34	24°27	23°23	T 7
F 8	13 32 37	24°55'29	13♌20	2° 1	23°49	15°48	19°18	24°40	27°30	20°46	8°51	15°47	14°31	24°34	23°26	F 8
S 9	13 36 34	25°53'44	27°35	1°30	25° 3	16°17	19°11	24°35	27°33	20°47	8°51	15°48	14°28	24°40	23°30	S 9
S 10	13 40 30	26°51'57	12♍10	0°56	26°17	16°47	19° 5	24°30	27°36	20°48	8°52	15°R49	14°25	24°47	23°33	S 10
M11	13 44 27	27°50'08	27° 0	0°20	27°31	17°16	18°58	24°26	27°40	20°49	8°52	15°48	14°21	24°54	23°36	M11
T 12	13 48 23	28°48'18	12♎ 0	29♈42	28°45	17°46	18°51	24°21	27°43	20°51	8°53	15°46	14°18	25° 0	23°39	T 12
W13	13 52 20	29°46'25	27° 1	29° 4	29°59	18°15	18°45	24°17	27°46	20°52	8°54	15°42	14°15	25° 7	23°42	W13
T 14	13 56 16	0♉44'31	11♏55	28°25	1♉13	18°45	18°38	24°12	27°49	20°53	8°54	15°36	14°12	25°14	23°45	T 14
F 15	14 0 13	1°42'35	26°33	27°47	2°27	19°15	18°31	24° 8	27°52	20°54	8°55	15°29	14° 9	25°20	23°48	F 15
S 16	14 4 9	2°40'37	10♐48	27°10	3°41	19°45	18°24	24° 4	27°56	20°55	8°56	15°22	14° 6	25°27	23°51	S 16
S 17	14 8 6	3°38'39	24°37	26°35	4°54	20°15	18°17	23°59	27°59	20°56	8°57	15°15	14° 2	25°34	23°54	S 17
M18	14 12 3	4°36'38	7♑57	26° 3	6° 8	20°46	18°10	23°55	28° 2	20°57	8°57	15°10	13°59	25°40	23°57	M18
T 19	14 15 59	5°34'37	20°51	25°33	7°22	21°16	18° 2	23°50	28° 6	20°58	8°58	15° 7	13°56	25°47	24° 0	T 19
W20	14 19 56	6°32'34	3♒21	25° 7	8°36	21°47	17°55	23°46	28° 9	20°59	8°59	15°D 6	13°53	25°54	24° 3	W20
T 21	14 23 52	7°30'29	15°33	24°44	9°50	22°18	17°48	23°42	28°12	20°59	9° 0	15° 6	13°50	26° 0	24° 6	T 21
F 22	14 27 49	8°28'23	27°31	24°25	11° 4	22°49	17°40	23°37	28°16	21° 0	9° 1	15° 7	13°46	26° 7	24° 9	F 22
S 23	14 31 45	9°26'16	9♓21	24°11	12°18	23°19	17°33	23°33	28°19	21° 1	9° 2	15°R 8	13°43	26°13	24°12	S 23
S 24	14 35 42	10°24'08	21° 8	24° 1	13°32	23°51	17°25	23°29	28°22	21° 2	9° 3	15° 8	13°40	26°20	24°14	S 24
M25	14 39 38	11°21'58	2♈55	23°55	14°46	24°22	17°18	23°24	28°26	21° 3	9° 3	15° 6	13°37	26°27	24°17	M25
T 26	14 43 35	12°19'47	14°47	23°D54	15°59	24°53	17°10	23°20	28°29	21° 3	9° 4	15° 2	13°34	26°33	24°20	T 26
W27	14 47 32	13°17'34	26°48	23°58	17°13	25°25	17° 3	23°16	28°33	21° 4	9° 5	14°56	13°31	26°40	24°23	W27
T 28	14 51 28	14°15'21	8♉58	24° 6	18°27	25°56	16°55	23°12	28°36	21° 5	9° 6	14°47	13°27	26°47	24°25	T 28
F 29	14 55 25	15°13'06	21°20	24°19	19°41	26°28	16°47	23° 8	28°39	21° 5	9° 7	14°37	13°24	26°53	24°28	F 29
S 30	14 59 21	16♉10'49	3♊54	24♈37	20♉55	27♋ 0	16♏40	23♎ 4	28♉43	21♒ 6	9♋ 8	14♓26	13♓21	27♓ 0	24♓30	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 8	19n40	4n19	15n35	3n 0	4n53	1s13	25n 6	2n 9	16s40	1n12	7s13	2n46	19n29	0s 8	15s10	0s30	23n30	0n15	5s30	5s59	1s45	0n44	3n49
S 2	7 30	23 39	4 50	15 32	2 55	5 23	1 11	25 2	2 8	16 38	1 12	7 11	2 46	19 29	0 8	15 9	0 30	23 30	0 15	5 32	6 0	1 41	0 45	3 49
S 3	7 53	26 37	5 8	15 25	2 50	5 53	1 10	24 58	2 7	16 37	1 12	7 9	2 46	19 30	0 8	15 9	0 30	23 30	0 15	5 35	6 1	1 38	0 47	3 49
M 4	8 15	28 18	5 11	15 16	2 43	6 22	1 8	24 55	2 6	16 35	1 12	7 8	2 46	19 31	0 8	15 9	0 30	23 30	0 15	5 36	6 2	1 34	0 48	3 49
T 5	8 37	28 30	4 58	15 3	2 35	6 52	1 7	24 51	2 5	16 33	1 12	7 6	2 46	19 31	0 8	15 8	0 30	23 30	0 15	5 38	6 4	1 31	0 49	3 49
W 6	8 58	27 4	4 30	14 47	2 25	7 21	1 6	24 46	2 4	16 32	1 12	7 4	2 46	19 32	0 8	15 8	0 30	23 30	0 15	5 38	6 5	1 28	0 51	3 49
T 7	9 20	24 2	3 46	14 29	2 14	7 50	1 4	24 42	2 3	16 30	1 12	7 3	2 46	19 33	0 8	15 7	0 30	23 30	0 15	5 38	6 6	1 24	0 52	3 49
F 8	9 42	19 34	2 47	14 8	2 2	8 19	1 2	24 38	2 2	16 28	1 12	7 1	2 46	19 33	0 8	15 7	0 30	23 30	0 15	5 38	6 7	1 21	0 53	3 49
S 9	10 3	13 53	1 38	13 45	1 49	8 48	1 1	24 34	2 2	16 27	1 12	6 59	2 46	19 34	0 8	15 7	0 30	23 30	0 15	5 37	6 9	1 17	0 55	3 49
S 10	10 24	7 20	0 20	13 19	1 34	9 16	0 59	24 29	2 1	16 25	1 12	6 58	2 46	19 35	0 8	15 6	0 30	23 30	0 15	5 37	6 10	1 14	0 56	3 49
M11	10 45	0 17	1s 0	12 52	1 19	9 45	0 57	24 24	2 0	16 23	1 12	6 56	2 46	19 36	0 8	15 6	0 30	23 30	0 15	5 37	6 11	1 10	0 57	3 49
T 12	11 6	6s52	2 17	12 24	1 3	10 13	0 55	24 19	1 59	16 21	1 12	6 54	2 46	19 36	0 8	15 6	0 31	23 30	0 15	5 38	6 12	1 7	0 59	3 49
W13	11 27	13 38	3 24	11 55	0 47	10 41	0 54	24 15	1 58	16 19	1 12	6 53	2 46	19 37	0 8	15 5	0 31	23 30	0 15	5 40	6 14	1 3	1 0	3 49
T 14	11 47	19 33	4 17	11 25	0 30	11 8	0 52	24 10	1 57	16 17	1 12	6 51	2 46	19 38	0 8	15 5	0 31	23 30	0 15	5 42	6 15	1 0	1 1	3 50
F 15	12 7	24 12	4 52	10 56	0 13	11 36	0 50	24 4	1 56	16 16	1 12	6 50	2 46	19 39	0 8	15 5	0 31	23 30	0 16	5 45	6 16	0 57	1 2	3 50
S 16	12 27	27 14	5 7	10 26	0s 4	12 3	0 48	23 59	1 55	16 14	1 12	6 48	2 46	19 39	0 8	15 4	0 31	23 30	0 16	5 48	6 17	0 53	1 4	3 50
S 17	12 47	28 30	5 4	9 58	0 22	12 30	0 46	23 54	1 54	16 12	1 12	6 46	2 46	19 40	0 8	15 4	0 31	23 30	0 16	5 50	6 18	0 50	1 5	3 50
M18	13 7	28 2	4 45	9 30	0 38	12 56	0 44	23 48	1 54	16 10	1 12	6 45	2 46	19 41	0 8	15 4	0 31	23 30	0 16	5 52	6 20	0 46	1 6	3 50
T 19	13 26	26 3	4 11	9 4	0 55	13 23	0 42	23 43	1 53	16 8	1 12	6 43	2 46	19 42	0 8	15 3	0 31	23 30	0 16	5 53	6 21	0 43	1 7	3 50
W20	13 46	22 50	3 26	8 40	1 11	13 48	0 40	23 37	1 52	16 6	1 12	6 42	2 46	19 42	0 8	15 3	0 31	23 30	0 16	5 54	6 22	0 39	1 9	3 50
T 21	14 5	18 40	2 33	8 17	1 26	14 14	0 38	23 31	1 51	16 4	1 12	6 40	2 46	19 43	0 8	15 3	0 31	23 30	0 16	5 54	6 23	0 36	1 10	3 50
F 22	14 23	13 51	1 33	7 57	1 41	14 39	0 35	23 25	1 50	16 2	1 12	6 39	2 46	19 44	0 8	15 3	0 31	23 30	0 16	5 53	6 25	0 32	1 11	3 50
S 23	14 42	8 35	0 31	7 38	1 55	15 4	0 33	23 19	1 49	16 0	1 12	6 37	2 46	19 45	0 8	15 3	0 31	23 30	0 16	5 53	6 26	0 29	1 12	3 50
S 24	15 0	3 2	0n32	7 23	2 8	15 29	0 31	23 13	1 48	15 58	1 12	6 36	2 45	19 45	0 8	15 2	0 31	23 30	0 16	5 53	6 27	0 26	1 13	3 50
M25	15 19	2n36	1 34	7 9	2 20	15 53	0 29	23 6	1 48	15 56	1 12	6 34	2 45	19 46	0 8	15 2	0 31	23 30	0 16	5 54	6 28	0 22	1 15	3 50
T 26	15 36	8 11	2 32	6 59	2 31	16 16	0 27	23 0	1 47	15 53	1 12	6 33	2 45	19 47	0 8	15 2	0 31	23 30	0 16	5 55	6 29	0 19	1 16	3 51
W27	15 54	13 32	3 24	6 51	2 41	16 40	0 24	22 53	1 46	15 51	1 12	6 31	2 45	19 48	0 8	15 2	0 31	23 30	0 16	5 58	6 31	0 15	1 17	3 51
T 28	16 11	18 27	4 7	6 45	2 50	17 3	0 22	22 47	1 45	15 49	1 12	6 30	2 45	19 48	0 8	15 2	0 31	23 30	0 16	6 1	6 32	0 12	1 18	3 51
F 29	16 28	22 40	4 39	6 42	2 58	17 25	0 20	22 40	1 44	15 47	1 11	6 29	2 45	19 49	0 8	15 1	0 31	23 30	0 16	6 5	6 33	0 8	1 19	3 51
S 30	16n45	25n54	4n58	6n42	3s 5	17n47	0s17	22n33	1n44	15s45	1n11	6s27	2n45	19n50	0s 8	15s 1	0s31	23n30	0n16	6s 9	6s34	0s 5	1n20	3n51

Julian Day Number = 2155065.5, Delta T = 13m47s
Ecliptic obliquity = 23°32'50, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'18, Lahiri = 12°32'19 Julian Calendar 1 Apr. 1188 == Greg. Calendar 8 Apr. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

MAY 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 18	17♉ 8'31	16♊40	24♈58	22♉ 9	27♋32	16°R32	23°R 0	28♉46	21♒ 6	9♋ 9	14°R15	13♓18	27♓ 7	24♓33	S 1
M 2	15 7 14	18° 6'12	29°39	25°24	23°22	28° 4	16♏24	22♎56	28°50	21° 7	9°11	14♓ 6	13°15	27°13	24°35	M 2
T 3	15 11 11	19° 3'51	12♋49	25°54	24°36	28°36	16°17	22°52	28°53	21° 7	9°12	13°59	13°12	27°20	24°38	T 3
W 4	15 15 7	20° 1'29	26°13	26°29	25°50	29° 8	16° 9	22°49	28°57	21° 8	9°13	13°54	13° 8	27°27	24°40	W 4
T 5	15 19 4	20°59'05	9♌49	27° 7	27° 4	29°40	16° 2	22°45	29° 0	21° 8	9°14	13°52	13° 5	27°33	24°43	T 5
F 6	15 23 1	21°56'40	23°39	27°49	28°17	0♌13	15°54	22°41	29° 4	21° 8	9°15	13°D51	13° 2	27°40	24°45	F 6
S 7	15 26 57	22°54'13	7♍43	28°35	29°31	0°45	15°46	22°38	29° 7	21° 9	9°16	13°R52	12°59	27°47	24°47	S 7
S 8	15 30 54	23°51'44	22° 1	29°24	0♊45	1°18	15°39	22°34	29°11	21° 9	9°17	13°51	12°56	27°53	24°49	S 8
M 9	15 34 50	24°49'14	6♎30	0♉17	1°58	1°50	15°31	22°30	29°14	21° 9	9°18	13°50	12°52	28° 0	24°52	M 9
T 10	15 38 47	25°46'43	21° 7	1°13	3°12	2°23	15°24	22°27	29°18	21°10	9°20	13°46	12°49	28° 6	24°54	T 10
W11	15 42 43	26°44'10	5♏48	2°13	4°26	2°56	15°17	22°24	29°21	21°10	9°21	13°39	12°46	28°13	24°56	W11
T 12	15 46 40	27°41'36	20°24	3°16	5°40	3°29	15° 9	22°20	29°25	21°10	9°22	13°30	12°43	28°20	24°58	T 12
F 13	15 50 36	28°39'02	4♐49	4°22	6°53	4° 2	15° 2	22°17	29°29	21°10	9°23	13°19	12°40	28°26	25° 0	F 13
S 14	15 54 33	29°36'26	18°56	5°31	8° 7	4°35	14°55	22°14	29°32	21°10	9°25	13° 8	12°37	28°33	25° 2	S 14
S 15	15 58 30	0♊33'50	2♑41	6°43	9°20	5° 8	14°48	22°11	29°36	21°10	9°26	12°58	12°33	28°40	25° 4	S 15
M16	16 2 26	1°31'12	16° 1	7°58	10°34	5°42	14°41	22° 8	29°39	21°10	9°27	12°49	12°30	28°46	25° 6	M16
T 17	16 6 23	2°28'34	28°55	9°17	11°48	6°15	14°34	22° 5	29°43	21°R10	9°28	12°43	12°27	28°53	25° 8	T 17
W18	16 10 19	3°25'55	11♒28	10°38	13° 1	6°48	14°27	22° 2	29°46	21°10	9°30	12°39	12°24	29° 0	25° 9	W18
T 19	16 14 16	4°23'16	23°41	12° 2	14°15	7°22	14°20	22° 0	29°50	21°10	9°31	12°38	12°21	29° 6	25°11	T 19
F 20	16 18 12	5°20'36	5♓40	13°29	15°29	7°56	14°13	21°57	29°53	21°10	9°32	12°37	12°18	29°13	25°13	F 20
S 21	16 22 9	6°17'55	17°31	14°58	16°42	8°29	14° 7	21°54	29°57	21°10	9°34	12°37	12°14	29°20	25°14	S 21
S 22	16 26 5	7°15'14	29°19	16°31	17°56	9° 3	14° 0	21°52	0♊ 0	21°10	9°35	12°36	12°11	29°26	25°16	S 22
M23	16 30 2	8°12'33	11♈ 9	18° 6	19° 9	9°37	13°54	21°49	0° 4	21°10	9°37	12°34	12° 8	29°33	25°18	M23
T 24	16 33 59	9° 9'51	23° 6	19°44	20°23	10°11	13°47	21°47	0° 7	21°10	9°38	12°29	12° 5	29°40	25°19	T 24
W25	16 37 55	10° 7'08	5♉14	21°24	21°37	10°45	13°41	21°45	0°11	21° 9	9°39	12°21	12° 2	29°46	25°21	W25
T 26	16 41 52	11° 4'25	17°35	23° 8	22°50	11°19	13°35	21°42	0°14	21° 9	9°41	12°11	11°58	29°53	25°22	T 26
F 27	16 45 48	12° 1'42	0♊11	24°54	24° 4	11°53	13°29	21°40	0°18	21° 9	9°42	11°59	11°55	29°59	25°23	F 27
S 28	16 49 45	12°58'58	13° 3	26°43	25°17	12°28	13°23	21°38	0°21	21° 9	9°44	11°46	11°52	0♈ 6	25°25	S 28
S 29	16 53 41	13°56'14	26°10	28°34	26°31	13° 2	13°17	21°36	0°25	21° 8	9°45	11°34	11°49	0°13	25°26	S 29
M30	16 57 38	14°53'29	9♋30	0♊28	27°44	13°36	13°12	21°35	0°28	21° 8	9°47	11°23	11°46	0°20	25°27	M30
T 31	17 1 35	15♊50'43	23♋ 2	2♊24	28♊58	14♌11	13♏ 6	21♎33	0♊32	21♒ 7	9♋48	11♓14	11♓43	0♈26	25♓28	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 2	27n54	5n 3	6n44	3s12	18n 9	0s15	22n26	1n43	15s43	1n11	6s26	2n45	19n51	0s 8	15s 1	0s31	23n30	0n16	6s13	6s36	0s 1	1n21	3n51
M 2	17 18	28 25	4 53	6 49	3 17	18 30	0 13	22 18	1 42	15 41	1 11	6 25	2 44	19 52	0 8	15 1	0 31	23 30	0 16	6 17	6 37	0n 2	1 23	3 51
T 3	17 34	27 21	4 26	6 56	3 21	18 50	0 10	22 11	1 41	15 39	1 11	6 23	2 44	19 52	0 8	15 1	0 31	23 30	0 17	6 20	6 38	0 5	1 24	3 51
W 4	17 50	24 41	3 45	7 5	3 25	19 10	0 8	22 4	1 40	15 37	1 11	6 22	2 44	19 53	0 8	15 1	0 31	23 30	0 17	6 22	6 39	0 9	1 25	3 51
T 5	18 5	20 36	2 51	7 16	3 27	19 30	0 6	21 56	1 40	15 35	1 11	6 21	2 44	19 54	0 8	15 1	0 31	23 30	0 17	6 23	6 40	0 12	1 26	3 52
F 6	18 20	15 21	1 45	7 30	3 29	19 49	0 3	21 48	1 39	15 33	1 11	6 20	2 44	19 55	0 8	15 0	0 31	23 30	0 17	6 23	6 42	0 16	1 27	3 52
S 7	18 35	9 13	0 33	7 45	3 30	20 8	0 1	21 40	1 38	15 31	1 11	6 18	2 44	19 55	0 8	15 0	0 31	23 30	0 17	6 23	6 43	0 19	1 28	3 52
S 8	18 49	2 31	0s43	8 2	3 30	20 25	0n 2	21 32	1 37	15 28	1 11	6 17	2 44	19 56	0 8	15 0	0 31	23 30	0 17	6 23	6 44	0 23	1 29	3 52
M 9	19 4	4s23	1 57	8 22	3 29	20 43	0 4	21 24	1 36	15 26	1 10	6 16	2 43	19 57	0 8	15 0	0 31	23 30	0 17	6 23	6 45	0 26	1 30	3 52
T 10	19 17	11 7	3 4	8 43	3 27	21 0	0 6	21 16	1 36	15 24	1 10	6 15	2 43	19 58	0 8	15 0	0 31	23 30	0 17	6 25	6 47	0 29	1 31	3 52
W11	19 31	17 16	3 59	9 5	3 25	21 16	0 9	21 8	1 35	15 22	1 10	6 14	2 43	19 59	0 8	15 0	0 31	23 30	0 17	6 27	6 48	0 33	1 32	3 52
T 12	19 44	22 23	4 38	9 29	3 22	21 32	0 11	20 59	1 34	15 20	1 10	6 13	2 43	19 59	0 8	15 0	0 31	23 30	0 17	6 31	6 49	0 36	1 33	3 52
F 13	19 57	26 5	4 58	9 55	3 18	21 47	0 14	20 51	1 33	15 18	1 10	6 12	2 43	20 0	0 8	15 0	0 31	23 30	0 17	6 35	6 50	0 40	1 34	3 53
S 14	20 9	28 4	5 0	10 22	3 14	22 1	0 16	20 42	1 32	15 16	1 10	6 11	2 42	20 1	0 8	15 0	0 31	23 30	0 17	6 39	6 51	0 43	1 34	3 53
S 15	20 22	28 15	4 44	10 51	3 9	22 15	0 18	20 33	1 32	15 14	1 10	6 10	2 42	20 2	0 8	15 0	0 31	23 30	0 17	6 43	6 53	0 47	1 35	3 53
M16	20 33	26 46	4 13	11 20	3 3	22 28	0 21	20 24	1 31	15 13	1 9	6 9	2 42	20 2	0 8	15 0	0 31	23 30	0 17	6 47	6 54	0 50	1 36	3 53
T 17	20 45	23 53	3 30	11 51	2 57	22 41	0 23	20 15	1 30	15 11	1 9	6 8	2 42	20 3	0 8	15 0	0 32	23 30	0 17	6 49	6 55	0 54	1 37	3 53
W18	20 56	19 56	2 37	12 23	2 50	22 53	0 25	20 6	1 29	15 9	1 9	6 7	2 42	20 4	0 8	15 0	0 32	23 30	0 17	6 50	6 56	0 57	1 38	3 53
T 19	21 7	15 14	1 39	12 56	2 43	23 4	0 28	19 56	1 29	15 7	1 9	6 6	2 41	20 5	0 8	15 0	0 32	23 30	0 17	6 51	6 58	1 0	1 39	3 53
F 20	21 17	10 3	0 37	13 29	2 35	23 15	0 30	19 47	1 28	15 5	1 9	6 6	2 41	20 5	0 8	15 0	0 32	23 30	0 18	6 51	6 59	1 4	1 40	3 53
S 21	21 27	4 33	0n26	14 4	2 27	23 25	0 32	19 37	1 27	15 3	1 8	6 5	2 41	20 6	0 8	15 0	0 32	23 30	0 18	6 51	7 0	1 7	1 40	3 54
S 22	21 37	1n 4	1 27	14 39	2 18	23 34	0 35	19 28	1 26	15 2	1 8	6 4	2 41	20 7	0 8	15 0	0 32	23 30	0 18	6 51	7 1	1 11	1 41	3 54
M23	21 46	6 39	2 25	15 14	2 9	23 43	0 37	19 18	1 26	15 0	1 8	6 3	2 41	20 8	0 8	15 0	0 32	23 29	0 18	6 52	7 2	1 14	1 42	3 54
T 24	21 55	12 4	3 17	15 50	1 59	23 51	0 39	19 8	1 25	14 58	1 8	6 3	2 40	20 8	0 8	15 1	0 32	23 29	0 18	6 54	7 4	1 18	1 43	3 54
W25	22 4	17 5	4 0	16 26	1 49	23 58	0 41	18 58	1 24	14 56	1 8	6 2	2 40	20 9	0 8	15 1	0 32	23 29	0 18	6 57	7 5	1 21	1 43	3 54
T 26	22 12	21 31	4 33	17 3	1 39	24 5	0 44	18 48	1 24	14 55	1 7	6 2	2 40	20 10	0 8	15 1	0 32	23 29	0 18	7 1	7 6	1 24	1 44	3 54
F 27	22 20	25 4	4 54	17 39	1 28	24 11	0 46	18 38	1 23	14 53	1 7	6 1	2 40	20 11	0 8	15 1	0 32	23 29	0 18	7 6	7 7	1 28	1 45	3 55
S 28	22 27	27 26	5 0	18 15	1 17	24 16	0 48	18 27	1 22	14 52	1 7	6 0	2 39	20 11	0 8	15 1	0 32	23 29	0 18	7 11	7 9	1 31	1 45	3 55
S 29	22 35	28 20	4 51	18 51	1 6	24 20	0 50	18 17	1 21	14 50	1 7	6 0	2 39	20 12	0 8	15 1	0 32	23 29	0 18	7 15	7 10	1 35	1 46	3 55
M30	22 41	27 37	4 25	19 27	0 55	24 24	0 52	18 6	1 21	14 49	1 7	5 59	2 39	20 13	0 8	15 1	0 32	23 29	0 18	7 20	7 11	1 38	1 47	3 55
T 31	22n47	25n16	3n45	20n 1	0s44	24n27	0n54	17n55	1n20	14s47	1n 6	5s59	2n39	20n14	0s 8	15s 1	0s32	23n29	0n18	7s23	7s12	1n42	1n47	3n55

Julian Day Number = 2155095.5, Delta T = 13m47s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'22, Lahiri = 12°32'23 Julian Calendar 1 May 1188 == Greg. Calendar 8 May 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

JUNE 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 5 31	16♊47'57	6♌43	4♊23	0♋11	14♌45	13°R 1	21°R31	0♊35	21°R 7	9♋49	11°R 8	11♓39	0♈33	25♓30	W 1
T 2	17 9 28	17°45'10	20°33	6°24	1°25	15°20	12♏56	21♎30	0°38	21♒ 6	9°51	11♓ 5	11°36	0°40	25°31	T 2
F 3	17 13 24	18°42'22	4♍29	8°27	2°38	15°55	12°51	21°28	0°42	21° 6	9°52	11° 4	11°33	0°46	25°32	F 3
S 4	17 17 21	19°39'34	18°32	10°32	3°52	16°29	12°46	21°27	0°45	21° 5	9°54	11° 4	11°30	0°53	25°33	S 4
S 5	17 21 17	20°36'45	2♎41	12°38	5° 5	17° 4	12°41	21°26	0°49	21° 5	9°55	11° 4	11°27	0°59	25°33	S 5
M 6	17 25 14	21°33'55	16°54	14°46	6°19	17°39	12°37	21°24	0°52	21° 4	9°57	11° 2	11°24	1° 6	25°34	M 6
T 7	17 29 10	22°31'05	1♏11	16°55	7°32	18°14	12°32	21°23	0°55	21° 4	9°58	10°58	11°20	1°13	25°35	T 7
W 8	17 33 7	23°28'15	15°26	19° 5	8°46	18°49	12°28	21°22	0°59	21° 3	10° 0	10°51	11°17	1°19	25°36	W 8
T 9	17 37 4	24°25'24	29°37	21°15	9°59	19°24	12°24	21°21	1° 2	21° 2	10° 2	10°42	11°14	1°26	25°37	T 9
F 10	17 41 0	25°22'33	13♐39	23°26	11°13	20° 0	12°20	21°21	1° 5	21° 1	10° 3	10°31	11°11	1°33	25°37	F 10
S 11	17 44 57	26°19'42	27°27	25°37	12°26	20°35	12°16	21°20	1° 9	21° 1	10° 5	10°20	11° 8	1°39	25°38	S 11
S 12	17 48 53	27°16'50	10♑56	27°47	13°39	21°10	12°12	21°19	1°12	21° 0	10° 6	10° 9	11° 4	1°46	25°38	S 12
M13	17 52 50	28°13'59	24° 6	29°57	14°53	21°46	12° 9	21°19	1°15	20°59	10° 8	10° 1	11° 1	1°53	25°39	M13
T 14	17 56 46	29°11'08	6♒54	2♋ 7	16° 6	22°21	12° 6	21°18	1°18	20°58	10° 9	9°54	10°58	1°59	25°39	T 14
W15	18 0 43	0♋ 8'17	19°23	4°15	17°20	22°56	12° 3	21°18	1°22	20°57	10°11	9°50	10°55	2° 6	25°40	W15
T 16	18 4 39	1° 5'26	1♓35	6°23	18°33	23°32	12° 0	21°18	1°25	20°57	10°12	9°48	10°52	2°13	25°40	T 16
F 17	18 8 36	2° 2'35	13°35	8°29	19°46	24° 8	11°57	21°18	1°28	20°56	10°14	9°D48	10°49	2°19	25°40	F 17
S 18	18 12 33	2°59'45	25°27	10°33	21° 0	24°43	11°54	21°D18	1°31	20°55	10°16	9°48	10°45	2°26	25°41	S 18
S 19	18 16 29	3°56'55	7♈16	12°36	22°13	25°19	11°52	21°18	1°34	20°54	10°17	9°R48	10°42	2°33	25°41	S 19
M20	18 20 26	4°54'05	19° 8	14°38	23°26	25°55	11°50	21°18	1°37	20°53	10°19	9°47	10°39	2°39	25°41	M20
T 21	18 24 22	5°51'16	1♉ 7	16°38	24°40	26°31	11°47	21°18	1°40	20°52	10°20	9°44	10°36	2°46	25°41	T 21
W22	18 28 19	6°48'28	13°20	18°36	25°53	27° 7	11°46	21°19	1°43	20°51	10°22	9°39	10°33	2°53	25°R41	W22
T 23	18 32 15	7°45'40	25°48	20°32	27° 6	27°43	11°44	21°19	1°46	20°50	10°24	9°32	10°30	2°59	25°41	T 23
F 24	18 36 12	8°42'52	8♊35	22°26	28°20	28°19	11°42	21°20	1°49	20°48	10°25	9°22	10°26	3° 6	25°41	F 24
S 25	18 40 8	9°40'05	21°42	24°19	29°33	28°55	11°41	21°20	1°52	20°47	10°27	9°12	10°23	3°13	25°41	S 25
S 26	18 44 5	10°37'19	5♋ 7	26° 9	0♌46	29°31	11°40	21°21	1°55	20°46	10°28	9° 3	10°20	3°19	25°40	S 26
M27	18 48 2	11°34'33	18°50	27°58	2° 0	0♍ 8	11°39	21°22	1°58	20°45	10°30	8°54	10°17	3°26	25°40	M27
T 28	18 51 58	12°31'47	2♌46	29°45	3°13	0°44	11°38	21°23	2° 1	20°44	10°31	8°47	10°14	3°33	25°40	T 28
W29	18 55 55	13°29'02	16°52	1♌30	4°26	1°20	11°37	21°24	2° 4	20°43	10°33	8°43	10°10	3°39	25°39	W29
T 30	18 59 51	14♋26'17	1♍ 4	3♌13	5♌39	1♍57	11♏37	21♎25	2♊ 7	20♒41	10♋35	8♓41	10♓ 7	3♈46	25♓39	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n53	21n26	2n51	20n35	0s32	24n29	0n56	17n45	1n19	14s46	1n 6	5s59	2n39	20n14	0s 8	15s 2	0s32	23n29	0n18	7s25	7s13	1n45	1n48	3n55
T 2	22 59	16 23	1 46	21 8	0 21	24 31	0 58	17 34	1 18	14 44	1 6	5 58	2 38	20 15	0 8	15 2	0 32	23 29	0 18	7 26	7 15	1 48	1 48	3 55
F 3	23 4	10 27	0 35	21 39	0 10	24 31	1 0	17 22	1 18	14 43	1 6	5 58	2 38	20 16	0 8	15 2	0 32	23 29	0 18	7 27	7 16	1 52	1 49	3 56
S 4	23 9	3 57	0s39	22 9	0n 1	24 31	1 2	17 11	1 17	14 42	1 6	5 58	2 38	20 16	0 8	15 2	0 32	23 29	0 18	7 27	7 17	1 55	1 50	3 56
S 5	23 13	2s47	1 52	22 37	0 12	24 31	1 4	17 0	1 16	14 41	1 5	5 57	2 38	20 17	0 8	15 2	0 32	23 29	0 18	7 27	7 18	1 59	1 50	3 56
M 6	23 17	9 24	2 57	23 3	0 23	24 29	1 6	16 49	1 16	14 40	1 5	5 57	2 37	20 18	0 8	15 3	0 32	23 29	0 19	7 28	7 19	2 2	1 51	3 56
T 7	23 20	15 34	3 52	23 27	0 33	24 27	1 7	16 37	1 15	14 38	1 5	5 57	2 37	20 19	0 8	15 3	0 32	23 29	0 19	7 29	7 21	2 6	1 51	3 56
W 8	23 23	20 53	4 33	23 48	0 43	24 24	1 9	16 25	1 14	14 37	1 5	5 57	2 37	20 19	0 8	15 3	0 32	23 29	0 19	7 32	7 22	2 9	1 51	3 56
T 9	23 26	24 58	4 56	24 7	0 52	24 21	1 11	16 14	1 13	14 36	1 4	5 57	2 36	20 20	0 8	15 3	0 32	23 29	0 19	7 35	7 23	2 12	1 52	3 57
F 10	23 28	27 31	5 1	24 24	1 1	24 17	1 13	16 2	1 13	14 35	1 4	5 57	2 36	20 21	0 8	15 4	0 32	23 29	0 19	7 39	7 24	2 16	1 52	3 57
S 11	23 30	28 19	4 48	24 37	1 9	24 11	1 14	15 50	1 12	14 34	1 4	5 57	2 36	20 21	0 8	15 4	0 32	23 28	0 19	7 44	7 25	2 19	1 53	3 57
S 12	23 31	27 24	4 20	24 48	1 16	24 6	1 16	15 38	1 11	14 34	1 4	5 57	2 36	20 22	0 8	15 4	0 32	23 28	0 19	7 48	7 27	2 23	1 53	3 57
M13	23 32	24 57	3 38	24 56	1 23	23 59	1 17	15 26	1 11	14 33	1 3	5 57	2 35	20 23	0 8	15 4	0 32	23 28	0 19	7 51	7 28	2 26	1 53	3 57
T 14	23 33	21 18	2 45	25 1	1 29	23 52	1 19	15 14	1 10	14 32	1 3	5 57	2 35	20 23	0 8	15 5	0 32	23 28	0 19	7 54	7 29	2 29	1 54	3 57
W15	23 33	16 45	1 46	25 3	1 35	23 44	1 20	15 1	1 9	14 31	1 3	5 57	2 35	20 24	0 8	15 5	0 32	23 28	0 19	7 55	7 30	2 33	1 54	3 58
T 16	23 33	11 38	0 44	25 3	1 39	23 36	1 21	14 49	1 9	14 31	1 3	5 57	2 35	20 25	0 8	15 5	0 32	23 28	0 19	7 56	7 32	2 36	1 54	3 58
F 17	23 32	6 10	0n20	25 0	1 43	23 27	1 22	14 36	1 8	14 30	1 2	5 57	2 34	20 25	0 8	15 6	0 32	23 28	0 19	7 56	7 33	2 40	1 55	3 58
S 18	23 31	0 33	1 23	24 54	1 47	23 17	1 24	14 24	1 7	14 29	1 2	5 58	2 34	20 26	0 8	15 6	0 32	23 28	0 19	7 56	7 34	2 43	1 55	3 58
S 19	23 29	5n 3	2 21	24 45	1 49	23 6	1 25	14 11	1 7	14 29	1 2	5 58	2 34	20 27	0 8	15 6	0 32	23 28	0 19	7 56	7 35	2 47	1 55	3 58
M20	23 27	10 30	3 14	24 34	1 51	22 55	1 26	13 58	1 6	14 28	1 2	5 58	2 34	20 27	0 8	15 7	0 32	23 28	0 19	7 56	7 36	2 50	1 55	3 58
T 21	23 25	15 38	3 58	24 21	1 52	22 43	1 27	13 45	1 5	14 28	1 1	5 59	2 33	20 28	0 8	15 7	0 32	23 28	0 19	7 57	7 38	2 53	1 55	3 59
W22	23 22	20 15	4 33	24 6	1 52	22 30	1 28	13 32	1 4	14 28	1 1	5 59	2 33	20 29	0 8	15 7	0 32	23 28	0 19	7 59	7 39	2 57	1 56	3 59
T 23	23 19	24 5	4 56	23 49	1 52	22 17	1 29	13 19	1 4	14 27	1 1	5 59	2 33	20 29	0 8	15 8	0 32	23 28	0 20	8 2	7 40	3 0	1 56	3 59
F 24	23 16	26 50	5 4	23 30	1 51	22 3	1 30	13 6	1 3	14 27	1 1	6 0	2 33	20 30	0 8	15 8	0 33	23 28	0 20	8 5	7 41	3 4	1 56	3 59
S 25	23 12	28 14	4 57	23 9	1 49	21 49	1 30	12 53	1 2	14 27	1 0	6 0	2 32	20 30	0 8	15 9	0 33	23 28	0 20	8 9	7 42	3 7	1 56	3 59
S 26	23 7	28 0	4 34	22 46	1 47	21 33	1 31	12 39	1 2	14 27	1 0	6 1	2 32	20 31	0 8	15 9	0 33	23 28	0 20	8 13	7 44	3 10	1 56	3 59
M27	23 2	26 5	3 54	22 22	1 44	21 18	1 32	12 26	1 1	14 27	1 0	6 1	2 32	20 32	0 8	15 9	0 33	23 28	0 20	8 16	7 45	3 14	1 56	4 0
T 28	22 57	22 33	3 0	21 56	1 41	21 1	1 32	12 12	1 0	14 27	1 0	6 2	2 31	20 32	0 8	15 10	0 33	23 27	0 20	8 19	7 46	3 17	1 56	4 0
W29	22 52	17 40	1 54	21 29	1 37	20 44	1 33	11 59	1 0	14 27	0 59	6 3	2 31	20 33	0 8	15 10	0 33	23 27	0 20	8 20	7 47	3 21	1 56	4 0
T 30	22n46	11n47	0n41	21n 2	1n33	20n27	1n33	11n45	0n59	14s27	0n59	6s 3	2n31	20n33	0s 8	15s11	0s33	23n27	0n20	8s21	7s48	3n24	1n56	4n 0

Julian Day Number = 2155126.5, Delta T = 13m46s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'27, Lahiri = 12°32'27 Julian Calendar 1 June 1188 == Greg. Calendar 8 June 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

JULY 1188 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 3 48	15♋23'32	15♍17	4♌55	6♌53	2♍33	11°R37	21♎26	2♊10	20°R40	10♋36	8°D41	10♓ 4	3♈53	25°R39	F 1
S 2	19 7 44	16°20'47	29°31	6°34	8° 6	3°10	11°D37	21°28	2°12	20♒39	10°38	8♓42	10° 1	3°59	25♓38	S 2
S 3	19 11 41	17°18'03	13♎42	8°12	9°19	3°47	11♏37	21°29	2°15	20°38	10°39	8°R43	9°58	4° 6	25°37	S 3
M 4	19 15 38	18°15'19	27°49	9°48	10°32	4°23	11°37	21°31	2°18	20°36	10°41	8°42	9°55	4°13	25°37	M 4
T 5	19 19 34	19°12'36	11♏51	11°22	11°46	5° 0	11°37	21°32	2°21	20°35	10°43	8°40	9°51	4°19	25°36	T 5
W 6	19 23 31	20° 9'53	25°46	12°54	12°59	5°37	11°38	21°34	2°23	20°34	10°44	8°36	9°48	4°26	25°35	W 6
T 7	19 27 27	21° 7'10	9♐33	14°24	14°12	6°14	11°39	21°36	2°26	20°32	10°46	8°30	9°45	4°32	25°35	T 7
F 8	19 31 24	22° 4'28	23° 9	15°52	15°25	6°51	11°40	21°38	2°28	20°31	10°47	8°23	9°42	4°39	25°34	F 8
S 9	19 35 20	23° 1'47	6♑31	17°19	16°38	7°28	11°41	21°40	2°31	20°30	10°49	8°15	9°39	4°46	25°33	S 9
S 10	19 39 17	23°59'06	19°39	18°43	17°51	8° 5	11°43	21°42	2°33	20°28	10°50	8° 8	9°36	4°52	25°32	S 10
M11	19 43 13	24°56'26	2♒31	20° 6	19° 4	8°42	11°44	21°44	2°36	20°27	10°52	8° 2	9°32	4°59	25°31	M11
T 12	19 47 10	25°53'47	15° 7	21°26	20°17	9°19	11°46	21°46	2°38	20°25	10°54	7°58	9°29	5° 6	25°30	T 12
W13	19 51 7	26°51'09	27°28	22°45	21°30	9°56	11°48	21°49	2°41	20°24	10°55	7°56	9°26	5°12	25°29	W13
T 14	19 55 3	27°48'32	9♓35	24° 1	22°43	10°34	11°50	21°51	2°43	20°22	10°57	7°D55	9°23	5°19	25°28	T 14
F 15	19 59 0	28°45'56	21°32	25°16	23°56	11°11	11°52	21°54	2°45	20°21	10°58	7°56	9°20	5°26	25°27	F 15
S 16	20 2 56	29°43'22	3♈23	26°28	25° 9	11°48	11°55	21°56	2°48	20°19	11° 0	7°57	9°16	5°32	25°25	S 16
S 17	20 6 53	0♌40'48	15°12	27°38	26°22	12°26	11°57	21°59	2°50	20°18	11° 1	7°59	9°13	5°39	25°24	S 17
M18	20 10 49	1°38'16	27° 4	28°45	27°35	13° 3	12° 0	22° 2	2°52	20°16	11° 3	8°R 0	9°10	5°46	25°23	M18
T 19	20 14 46	2°35'45	9♉ 4	29°50	28°48	13°41	12° 3	22° 5	2°54	20°15	11° 4	8° 0	9° 7	5°52	25°21	T 19
W20	20 18 42	3°33'16	21°17	0♍53	0♍ 1	14°19	12° 6	22° 8	2°56	20°13	11° 6	7°58	9° 4	5°59	25°20	W20
T 21	20 22 39	4°30'48	3♊48	1°53	1°14	14°56	12° 9	22°11	2°59	20°12	11° 7	7°56	9° 1	6° 6	25°18	T 21
F 22	20 26 36	5°28'21	16°39	2°50	2°27	15°34	12°13	22°14	3° 1	20°10	11° 9	7°51	8°57	6°12	25°17	F 22
S 23	20 30 32	6°25'56	29°53	3°44	3°40	16°12	12°17	22°17	3° 3	20° 9	11°10	7°47	8°54	6°19	25°15	S 23
S 24	20 34 29	7°23'33	13♋30	4°35	4°53	16°50	12°20	22°21	3° 5	20° 7	11°12	7°42	8°51	6°26	25°14	S 24
M25	20 38 25	8°21'11	27°29	5°23	6° 5	17°28	12°24	22°24	3° 6	20° 5	11°13	7°38	8°48	6°32	25°12	M25
T 26	20 42 22	9°18'50	11♌46	6° 7	7°18	18° 6	12°29	22°28	3° 8	20° 4	11°14	7°35	8°45	6°39	25°10	T 26
W27	20 46 18	10°16'30	26°16	6°48	8°31	18°44	12°33	22°31	3°10	20° 2	11°16	7°33	8°42	6°46	25° 9	W27
T 28	20 50 15	11°14'11	10♍53	7°26	9°44	19°22	12°37	22°35	3°12	20° 0	11°17	7°D33	8°38	6°52	25° 7	T 28
F 29	20 54 11	12°11'54	25°31	7°59	10°57	20° 0	12°42	22°39	3°14	19°59	11°19	7°33	8°35	6°59	25° 5	F 29
S 30	20 58 8	13° 9'37	10♎ 5	8°28	12° 9	20°39	12°47	22°42	3°15	19°57	11°20	7°35	8°32	7° 6	25° 3	S 30
S 31	21 2 5	14♌ 7'22	24♎29	8♍52	13♍22	21♍17	12♏52	22♎46	3♊17	19♒56	11♋22	7♓36	8♓29	7♈12	25♓ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n39	5n17	0s35	20n33	1n28	20n 9	1n34	11n31	0n58	14s27	0n59	6s 4	2n31	20n34	0s 8	15s11	0s33	23n27	0n20	8s21	7s50	3n27	1n56	4n 0
S 2	22 32	1s29	1 50	20 3	1 22	19 50	1 34	11 17	0 58	14 27	0 58	6 5	2 30	20 34	0 8	15 11	0 33	23 27	0 20	8 21	7 51	3 31	1 56	4 0
S 3	22 25	8 9	2 57	19 32	1 17	19 31	1 34	11 3	0 57	14 28	0 58	6 6	2 30	20 35	0 8	15 12	0 33	23 27	0 20	8 20	7 52	3 34	1 56	4 0
M 4	22 18	14 22	3 53	19 0	1 10	19 11	1 34	10 49	0 56	14 28	0 58	6 6	2 30	20 35	0 8	15 12	0 33	23 27	0 20	8 21	7 53	3 38	1 56	4 1
T 5	22 10	19 49	4 35	18 28	1 4	18 51	1 34	10 35	0 56	14 28	0 58	6 7	2 30	20 36	0 8	15 13	0 33	23 27	0 20	8 21	7 54	3 41	1 56	4 1
W 6	22 1	24 8	5 0	17 55	0 57	18 30	1 34	10 21	0 55	14 29	0 57	6 8	2 29	20 37	0 8	15 13	0 33	23 27	0 20	8 23	7 56	3 44	1 55	4 1
T 7	21 53	27 3	5 8	17 22	0 49	18 9	1 34	10 6	0 54	14 29	0 57	6 9	2 29	20 37	0 8	15 14	0 33	23 27	0 20	8 25	7 57	3 48	1 55	4 1
F 8	21 44	28 19	4 58	16 48	0 41	17 47	1 34	9 52	0 54	14 30	0 57	6 10	2 29	20 38	0 8	15 14	0 33	23 27	0 20	8 28	7 58	3 51	1 55	4 1
S 9	21 34	27 54	4 31	16 14	0 33	17 25	1 34	9 38	0 53	14 31	0 57	6 11	2 29	20 38	0 8	15 15	0 33	23 27	0 21	8 31	7 59	3 55	1 55	4 1
S 10	21 24	25 55	3 51	15 40	0 25	17 2	1 34	9 23	0 52	14 31	0 56	6 12	2 28	20 39	0 7	15 15	0 33	23 27	0 21	8 33	8 0	3 58	1 55	4 1
M11	21 14	22 36	3 0	15 6	0 16	16 39	1 33	9 8	0 52	14 32	0 56	6 13	2 28	20 39	0 7	15 15	0 33	23 27	0 21	8 36	8 2	4 1	1 54	4 2
T 12	21 4	18 18	2 1	14 31	0 7	16 15	1 33	8 54	0 51	14 33	0 56	6 14	2 28	20 40	0 7	15 16	0 33	23 27	0 21	8 37	8 3	4 5	1 54	4 2
W13	20 53	13 18	0 57	13 57	0s 3	15 51	1 32	8 39	0 50	14 34	0 56	6 15	2 27	20 40	0 7	15 16	0 33	23 26	0 21	8 38	8 4	4 8	1 54	4 2
T 14	20 42	7 52	0n 9	13 23	0 12	15 27	1 32	8 24	0 50	14 35	0 55	6 17	2 27	20 40	0 7	15 17	0 33	23 26	0 21	8 38	8 5	4 11	1 53	4 2
F 15	20 30	2 15	1 14	12 49	0 22	15 2	1 31	8 9	0 49	14 35	0 55	6 18	2 27	20 41	0 7	15 17	0 33	23 26	0 21	8 38	8 6	4 15	1 53	4 2
S 16	20 18	3n24	2 14	12 15	0 32	14 37	1 30	7 55	0 48	14 36	0 55	6 19	2 27	20 41	0 7	15 18	0 33	23 26	0 21	8 37	8 8	4 18	1 53	4 2
S 17	20 6	8 55	3 9	11 41	0 43	14 11	1 30	7 40	0 48	14 38	0 55	6 20	2 26	20 42	0 7	15 18	0 33	23 26	0 21	8 37	8 9	4 22	1 52	4 2
M18	19 53	14 9	3 56	11 8	0 53	13 45	1 29	7 25	0 47	14 39	0 54	6 22	2 26	20 42	0 7	15 19	0 33	23 26	0 21	8 36	8 10	4 25	1 52	4 3
T 19	19 40	18 54	4 34	10 35	1 4	13 19	1 28	7 9	0 46	14 40	0 54	6 23	2 26	20 43	0 7	15 19	0 33	23 26	0 21	8 36	8 11	4 28	1 51	4 3
W20	19 27	22 58	4 59	10 3	1 15	12 52	1 27	6 54	0 46	14 41	0 54	6 24	2 26	20 43	0 7	15 20	0 33	23 26	0 21	8 37	8 12	4 32	1 51	4 3
T 21	19 13	26 6	5 11	9 31	1 26	12 25	1 26	6 39	0 45	14 42	0 54	6 26	2 25	20 44	0 7	15 20	0 33	23 26	0 21	8 38	8 14	4 35	1 51	4 3
F 22	18 59	27 59	5 9	9 0	1 37	11 58	1 25	6 24	0 44	14 44	0 53	6 27	2 25	20 44	0 7	15 21	0 33	23 26	0 21	8 40	8 15	4 38	1 50	4 3
S 23	18 45	28 22	4 50	8 31	1 48	11 30	1 23	6 8	0 44	14 45	0 53	6 28	2 25	20 44	0 7	15 21	0 33	23 26	0 21	8 41	8 16	4 42	1 49	4 3
S 24	18 30	27 4	4 14	8 2	1 59	11 2	1 22	5 53	0 43	14 46	0 53	6 30	2 25	20 45	0 7	15 22	0 33	23 26	0 22	8 43	8 17	4 45	1 49	4 3
M25	18 15	24 4	3 22	7 34	2 10	10 34	1 21	5 37	0 42	14 48	0 53	6 31	2 24	20 45	0 7	15 23	0 33	23 26	0 22	8 45	8 18	4 49	1 48	4 3
T 26	18 0	19 31	2 17	7 7	2 22	10 6	1 19	5 22	0 42	14 49	0 52	6 33	2 24	20 45	0 7	15 23	0 33	23 26	0 22	8 46	8 20	4 52	1 48	4 4
W27	17 45	13 47	1 2	6 41	2 33	9 37	1 18	5 6	0 41	14 51	0 52	6 34	2 24	20 46	0 7	15 24	0 33	23 26	0 22	8 47	8 21	4 55	1 47	4 4
T 28	17 29	7 14	0s18	6 17	2 44	9 8	1 16	4 51	0 40	14 52	0 52	6 36	2 24	20 46	0 7	15 24	0 33	23 26	0 22	8 47	8 22	4 59	1 47	4 4
F 29	17 13	0 18	1 37	5 55	2 55	8 39	1 14	4 35	0 40	14 54	0 52	6 38	2 24	20 46	0 7	15 25	0 33	23 26	0 22	8 46	8 23	5 2	1 46	4 4
S 30	16 57	6s36	2 50	5 34	3 6	8 9	1 13	4 19	0 39	14 56	0 51	6 39	2 23	20 47	0 7	15 25	0 33	23 26	0 22	8 46	8 24	5 5	1 45	4 4
S 31	16n40	13s 6	3s50	5n15	3s16	7n39	1n11	4n 4	0n38	14s57	0n51	6s41	2n23	20n47	0s 7	15s26	0s33	23n25	0n22	8s45	8s26	5n 9	1n45	4n 4

Julian Day Number = 2155156.5, Delta T = 13m46s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'31, Lahiri = 12°32'31 Julian Calendar 1 July 1188 == Greg. Calendar 8 July 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

AUGUST 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 6 1	15♌ 5'08	8♏41	9♍12	14♍35	21♍55	12♏57	22♎50	3♊19	19°R54	11♋23	7°R37	8♓26	7♈19	24°R59	M 1
T 2	21 9 58	16° 2'55	22°39	9°27	15°47	22°34	13° 2	22°54	3°20	19♒52	11°24	7♓37	8°22	7°26	24♓57	T 2
W 3	21 13 54	17° 0'44	6♐23	9°37	17° 0	23°12	13° 8	22°59	3°22	19°51	11°26	7°36	8°19	7°32	24°55	W 3
T 4	21 17 51	17°58'34	19°51	9°R41	18°12	23°51	13°13	23° 3	3°23	19°49	11°27	7°34	8°16	7°39	24°53	T 4
F 5	21 21 47	18°56'25	3♑ 5	9°40	19°25	24°29	13°19	23° 7	3°25	19°47	11°28	7°32	8°13	7°46	24°51	F 5
S 6	21 25 44	19°54'17	16° 5	9°33	20°38	25° 8	13°25	23°11	3°26	19°46	11°30	7°29	8°10	7°52	24°49	S 6
S 7	21 29 40	20°52'11	28°50	9°20	21°50	25°47	13°31	23°16	3°27	19°44	11°31	7°27	8° 7	7°59	24°47	S 7
M 8	21 33 37	21°50'06	11♒23	9° 1	23° 3	26°25	13°37	23°20	3°29	19°43	11°32	7°25	8° 3	8° 6	24°45	M 8
T 9	21 37 34	22°48'02	23°43	8°36	24°15	27° 4	13°43	23°25	3°30	19°41	11°33	7°23	8° 0	8°12	24°43	T 9
W10	21 41 30	23°46'01	5♓53	8° 5	25°27	27°43	13°50	23°30	3°31	19°39	11°35	7°D23	7°57	8°19	24°40	W10
T 11	21 45 27	24°44'00	17°53	7°29	26°40	28°22	13°56	23°34	3°32	19°38	11°36	7°23	7°54	8°26	24°38	T 11
F 12	21 49 23	25°42'02	29°46	6°47	27°52	29° 1	14° 3	23°39	3°33	19°36	11°37	7°24	7°51	8°32	24°36	F 12
S 13	21 53 20	26°40'06	11♈36	6° 0	29° 4	29°40	14°10	23°44	3°34	19°34	11°38	7°25	7°48	8°39	24°33	S 13
S 14	21 57 16	27°38'11	23°24	5° 8	0♎17	0♎19	14°17	23°49	3°35	19°33	11°39	7°26	7°44	8°46	24°31	S 14
M15	22 1 13	28°36'18	5♉16	4°14	1°29	0°58	14°24	23°54	3°36	19°31	11°41	7°27	7°41	8°52	24°29	M15
T 16	22 5 9	29°34'28	17°16	3°17	2°41	1°38	14°32	23°59	3°37	19°29	11°42	7°28	7°38	8°59	24°26	T 16
W17	22 9 6	0♍32'39	29°27	2°18	3°53	2°17	14°39	24° 4	3°38	19°28	11°43	7°R28	7°35	9° 6	24°24	W17
T 18	22 13 3	1°30'53	11♊55	1°19	5° 6	2°56	14°47	24° 9	3°39	19°26	11°44	7°28	7°32	9°12	24°21	T 18
F 19	22 16 59	2°29'09	24°43	0°22	6°18	3°36	14°54	24°15	3°40	19°25	11°45	7°27	7°28	9°19	24°19	F 19
S 20	22 20 56	3°27'27	7♋55	29♌27	7°30	4°15	15° 2	24°20	3°40	19°23	11°46	7°27	7°25	9°26	24°16	S 20
S 21	22 24 52	4°25'46	21°33	28°35	8°42	4°55	15°10	24°25	3°41	19°22	11°47	7°26	7°22	9°32	24°14	S 21
M22	22 28 49	5°24'08	5♌37	27°49	9°54	5°34	15°18	24°31	3°42	19°20	11°48	7°26	7°19	9°39	24°11	M22
T 23	22 32 45	6°22'32	20° 4	27° 9	11° 6	6°14	15°27	24°36	3°42	19°18	11°49	7°26	7°16	9°46	24° 8	T 23
W24	22 36 42	7°20'58	4♍51	26°36	12°18	6°54	15°35	24°42	3°43	19°17	11°50	7°26	7°13	9°52	24° 6	W24
T 25	22 40 38	8°19'26	19°48	26°11	13°30	7°33	15°43	24°47	3°43	19°15	11°51	7°26	7° 9	9°59	24° 3	T 25
F 26	22 44 35	9°17'55	4♎50	25°55	14°42	8°13	15°52	24°53	3°43	19°14	11°52	7°26	7° 6	10° 6	24° 0	F 26
S 27	22 48 32	10°16'27	19°46	25°D47	15°54	8°53	16° 1	24°59	3°44	19°12	11°53	7°26	7° 3	10°12	23°58	S 27
S 28	22 52 28	11°15'00	4♏31	25°50	17° 6	9°33	16°10	25° 5	3°44	19°11	11°54	7°25	7° 0	10°19	23°55	S 28
M29	22 56 25	12°13'35	18°57	26° 1	18°17	10°13	16°18	25°11	3°44	19° 9	11°55	7°25	6°57	10°26	23°52	M29
T 30	23 0 21	13°12'11	3♐ 2	26°22	19°29	10°53	16°28	25°16	3°44	19° 8	11°56	7°25	6°53	10°32	23°50	T 30
W31	23 4 18	14♍10'50	16♐44	26♌53	20♎41	11♎33	16♏37	25♎22	3♊45	19♒ 6	11♋57	7°D25	6♓50	10♈39	23♓47	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n23	18s48	4s36	4n58	3s26	7n10	1n 9	3n48	0n38	14s59	0n51	6s43	2n23	20n47	0s 7	15s26	0s33	23n25	0n22	8s45	8s27	5n12	1n44	4n 4
T 2	16 6	23 25	5 5	4 43	3 36	6 39	1 7	3 32	0 37	15 1	0 51	6 44	2 23	20 48	0 7	15 27	0 33	23 25	0 22	8 45	8 28	5 16	1 43	4 4
W 3	15 48	26 38	5 15	4 31	3 45	6 9	1 5	3 16	0 37	15 3	0 50	6 46	2 22	20 48	0 7	15 27	0 33	23 25	0 22	8 45	8 29	5 19	1 43	4 4
T 4	15 31	28 16	5 8	4 21	3 54	5 39	1 3	3 0	0 36	15 5	0 50	6 48	2 22	20 48	0 7	15 28	0 33	23 25	0 22	8 46	8 30	5 22	1 42	4 4
F 5	15 13	28 15	4 45	4 14	4 2	5 8	1 1	2 44	0 35	15 7	0 50	6 50	2 22	20 49	0 7	15 28	0 33	23 25	0 22	8 47	8 32	5 26	1 41	4 4
S 6	14 55	26 39	4 7	4 10	4 9	4 38	0 59	2 28	0 35	15 9	0 50	6 51	2 22	20 49	0 7	15 29	0 33	23 25	0 22	8 48	8 33	5 29	1 40	4 5
S 7	14 36	23 42	3 17	4 9	4 16	4 7	0 56	2 12	0 34	15 11	0 49	6 53	2 22	20 49	0 7	15 29	0 33	23 25	0 22	8 49	8 34	5 32	1 40	4 5
M 8	14 18	19 40	2 19	4 11	4 21	3 36	0 54	1 56	0 33	15 13	0 49	6 55	2 21	20 49	0 7	15 30	0 33	23 25	0 23	8 50	8 35	5 36	1 39	4 5
T 9	13 59	14 51	1 15	4 17	4 25	3 5	0 52	1 40	0 33	15 15	0 49	6 57	2 21	20 50	0 7	15 30	0 33	23 25	0 23	8 50	8 36	5 39	1 38	4 5
W10	13 40	9 32	0 8	4 26	4 28	2 34	0 49	1 24	0 32	15 17	0 49	6 59	2 21	20 50	0 7	15 31	0 33	23 25	0 23	8 50	8 38	5 42	1 37	4 5
T 11	13 20	3 55	0n58	4 38	4 29	2 3	0 47	1 8	0 31	15 19	0 49	7 1	2 21	20 50	0 7	15 32	0 33	23 25	0 23	8 50	8 39	5 46	1 36	4 5
F 12	13 1	1n45	2 1	4 54	4 29	1 32	0 44	0 52	0 31	15 22	0 48	7 3	2 20	20 50	0 7	15 32	0 33	23 25	0 23	8 50	8 40	5 49	1 35	4 5
S 13	12 41	7 20	2 59	5 13	4 27	1 0	0 42	0 35	0 30	15 24	0 48	7 5	2 20	20 50	0 7	15 33	0 33	23 25	0 23	8 50	8 41	5 52	1 34	4 5
S 14	12 21	12 40	3 48	5 36	4 23	0 29	0 39	0 19	0 29	15 26	0 48	7 7	2 20	20 51	0 7	15 33	0 33	23 25	0 23	8 49	8 42	5 56	1 34	4 5
M15	12 1	17 33	4 29	6 1	4 17	0s 2	0 36	0 3	0 29	15 28	0 48	7 9	2 20	20 51	0 7	15 34	0 33	23 25	0 23	8 49	8 43	5 59	1 33	4 5
T 16	11 40	21 49	4 58	6 29	4 9	0 34	0 33	0s13	0 28	15 31	0 47	7 11	2 20	20 51	0 7	15 34	0 33	23 25	0 23	8 49	8 45	6 2	1 32	4 5
W17	11 20	25 14	5 14	6 59	3 59	1 5	0 30	0 30	0 27	15 33	0 47	7 13	2 19	20 51	0 7	15 35	0 33	23 25	0 23	8 48	8 46	6 6	1 31	4 5
T 18	10 59	27 33	5 16	7 31	3 47	1 37	0 28	0 46	0 27	15 36	0 47	7 15	2 19	20 51	0 7	15 35	0 33	23 25	0 23	8 49	8 47	6 9	1 30	4 5
F 19	10 38	28 29	5 3	8 4	3 34	2 8	0 25	1 2	0 26	15 38	0 47	7 17	2 19	20 52	0 7	15 36	0 33	23 25	0 23	8 49	8 48	6 12	1 29	4 5
S 20	10 17	27 52	4 34	8 37	3 19	2 39	0 22	1 18	0 25	15 41	0 47	7 19	2 19	20 52	0 7	15 36	0 33	23 25	0 23	8 49	8 49	6 16	1 28	4 5
S 21	9 56	25 34	3 48	9 10	3 2	3 11	0 19	1 35	0 25	15 43	0 46	7 21	2 19	20 52	0 7	15 37	0 33	23 25	0 23	8 49	8 51	6 19	1 27	4 5
M22	9 34	21 40	2 48	9 43	2 44	3 42	0 16	1 51	0 24	15 46	0 46	7 24	2 19	20 52	0 7	15 37	0 33	23 25	0 24	8 49	8 52	6 22	1 26	4 5
T 23	9 13	16 21	1 35	10 14	2 26	4 13	0 12	2 8	0 24	15 48	0 46	7 26	2 18	20 52	0 7	15 38	0 33	23 25	0 24	8 49	8 53	6 26	1 25	4 5
W24	8 51	10 0	0 14	10 43	2 7	4 44	0 9	2 24	0 23	15 51	0 46	7 28	2 18	20 52	0 7	15 38	0 33	23 25	0 24	8 49	8 54	6 29	1 24	4 5
T 25	8 29	3 1	1s 8	11 10	1 48	5 15	0 6	2 40	0 22	15 54	0 46	7 30	2 18	20 52	0 7	15 39	0 33	23 25	0 24	8 49	8 55	6 32	1 23	4 5
F 26	8 7	4s10	2 26	11 33	1 28	5 46	0 3	2 57	0 22	15 56	0 45	7 32	2 18	20 52	0 7	15 39	0 33	23 25	0 24	8 49	8 57	6 36	1 22	4 5
S 27	7 45	11 4	3 34	11 54	1 9	6 17	0s 0	3 13	0 21	15 59	0 45	7 35	2 18	20 52	0 7	15 40	0 33	23 25	0 24	8 49	8 58	6 39	1 21	4 5
S 28	7 23	17 16	4 27	12 11	0 50	6 48	0 4	3 29	0 20	16 2	0 45	7 37	2 18	20 52	0 7	15 40	0 33	23 25	0 24	8 49	8 59	6 42	1 20	4 5
M29	7 0	22 21	5 1	12 24	0 32	7 19	0 7	3 46	0 20	16 5	0 45	7 39	2 17	20 52	0 7	15 41	0 33	23 25	0 24	8 50	9 0	6 46	1 18	4 5
T 30	6 38	26 2	5 16	12 34	0 14	7 49	0 10	4 2	0 19	16 7	0 45	7 42	2 17	20 52	0 7	15 41	0 33	23 25	0 24	8 50	9 1	6 49	1 17	4 5
W31	6n15	28s 5	5s13	12n39	0n 2	8s19	0s14	4s18	0n18	16s10	0n44	7s44	2n17	20n52	0s 7	15s41	0s33	23n25	0n24	8s50	9s 2	6n52	1n16	4n 5

Julian Day Number = 2155187.5, Delta T = 13m46s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'35, Lahiri = 12°32'35 Julian Calendar 1 Aug. 1188 == Greg. Calendar 8 Aug. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

SEPTEMBER 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 14	15♍ 9'30	0♉ 5	27♌32	21♎52	12♎13	16♏46	25♎28	3♊45	19°R 5	11♋58	7♓25	6♓47	10♈46	23°R44	T 1
F 2	23 12 11	16° 8'12	13° 5	28°20	23° 4	12°54	16°55	25°34	3°R45	19♒ 3	11°58	7°25	6°44	10°52	23♓41	F 2
S 3	23 16 7	17° 6'55	25°48	29°16	24°16	13°34	17° 5	25°40	3°45	19° 2	11°59	7°26	6°41	10°59	23°39	S 3
S 4	23 20 4	18° 5'40	8♒16	0♍19	25°27	14°14	17°15	25°47	3°45	19° 1	12° 0	7°27	6°38	11° 6	23°36	S 4
M 5	23 24 1	19° 4'27	20°32	1°29	26°39	14°55	17°24	25°53	3°44	18°59	12° 1	7°28	6°34	11°12	23°33	M 5
T 6	23 27 57	20° 3'16	2♓39	2°45	27°50	15°35	17°34	25°59	3°44	18°58	12° 2	7°R29	6°31	11°19	23°30	T 6
W 7	23 31 54	21° 2'07	14°37	4° 6	29° 1	16°16	17°44	26° 5	3°44	18°57	12° 2	7°29	6°28	11°26	23°28	W 7
T 8	23 35 50	22° 1'00	26°31	5°33	0♏13	16°56	17°54	26°12	3°44	18°55	12° 3	7°28	6°25	11°32	23°25	T 8
F 9	23 39 47	22°59'55	8♈21	7° 3	1°24	17°37	18° 4	26°18	3°43	18°54	12° 4	7°26	6°22	11°39	23°22	F 9
S 10	23 43 43	23°58'52	20°10	8°37	2°35	18°18	18°14	26°24	3°43	18°53	12° 4	7°24	6°19	11°46	23°19	S 10
S 11	23 47 40	24°57'51	2♉ 0	10°14	3°46	18°58	18°25	26°31	3°43	18°51	12° 5	7°21	6°15	11°52	23°16	S 11
M12	23 51 36	25°56'53	13°54	11°54	4°58	19°39	18°35	26°37	3°42	18°50	12° 6	7°18	6°12	11°59	23°14	M12
T 13	23 55 33	26°55'56	25°55	13°35	6° 9	20°20	18°46	26°44	3°42	18°49	12° 6	7°16	6° 9	12° 6	23°11	T 13
W14	23 59 29	27°55'03	8♊ 6	15°19	7°20	21° 1	18°56	26°50	3°41	18°48	12° 7	7°13	6° 6	12°12	23° 8	W14
T 15	0 3 26	28°54'11	20°31	17° 3	8°31	21°42	19° 7	26°57	3°40	18°47	12° 7	7°12	6° 3	12°19	23° 5	T 15
F 16	0 7 23	29°53'22	3♋14	18°48	9°42	22°23	19°18	27° 3	3°40	18°46	12° 8	7°D12	5°59	12°26	23° 3	F 16
S 17	0 11 19	0♎52'35	16°19	20°34	10°52	23° 4	19°28	27°10	3°39	18°44	12° 8	7°13	5°56	12°32	23° 0	S 17
S 18	0 15 16	1°51'51	29°49	22°20	12° 3	23°45	19°39	27°17	3°38	18°43	12° 9	7°14	5°53	12°39	22°57	S 18
M19	0 19 12	2°51'09	13♌46	24° 6	13°14	24°27	19°50	27°24	3°37	18°42	12° 9	7°16	5°50	12°46	22°54	M19
T 20	0 23 9	3°50'29	28° 9	25°53	14°25	25° 8	20° 2	27°30	3°36	18°41	12° 9	7°17	5°47	12°52	22°52	T 20
W21	0 27 5	4°49'52	12♍56	27°39	15°35	25°49	20°13	27°37	3°35	18°40	12°10	7°R17	5°44	12°59	22°49	W21
T 22	0 31 2	5°49'17	28° 1	29°24	16°46	26°31	20°24	27°44	3°34	18°39	12°10	7°16	5°40	13° 6	22°46	T 22
F 23	0 34 58	6°48'43	13♎15	1♎10	17°56	27°12	20°35	27°51	3°33	18°38	12°11	7°13	5°37	13°12	22°44	F 23
S 24	0 38 55	7°48'12	28°29	2°55	19° 7	27°54	20°47	27°58	3°32	18°37	12°11	7° 9	5°34	13°19	22°41	S 24
S 25	0 42 52	8°47'43	13♏31	4°40	20°17	28°35	20°58	28° 4	3°31	18°36	12°11	7° 4	5°31	13°26	22°38	S 25
M26	0 46 48	9°47'16	28°15	6°24	21°27	29°17	21°10	28°11	3°30	18°35	12°11	7° 0	5°28	13°32	22°36	M26
T 27	0 50 45	10°46'51	12♐32	8° 7	22°38	29°59	21°22	28°18	3°29	18°35	12°12	6°56	5°25	13°39	22°33	T 27
W28	0 54 41	11°46'27	26°22	9°50	23°48	0♏40	21°33	28°25	3°28	18°34	12°12	6°53	5°21	13°46	22°30	W28
T 29	0 58 38	12°46'06	9♑45	11°32	24°58	1°22	21°45	28°32	3°26	18°33	12°12	6°D52	5°18	13°53	22°28	T 29
F 30	1 2 34	13♎45'46	22♑42	13♎14	26♏ 8	2♏ 4	21♏57	28♎39	3♊25	18♒32	12♋12	6♓53	5♓15	13♈59	22♓25	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5n52	28s26	4s53	12n40	0n18	8s49	0s17	4s35	0n18	16s13	0n44	7s46	2n17	20n52	0s 7	15s42	0s33	23n24	0n24	8s50	9s 4	6n56	1n15	4n 5	T 1
F 2	5 30	27 11	4 18	12 37	0 32	9 19	0 21	4 51	0 17	16 16	0 44	7 48	2 17	20 53	0 7	15 42	0 33	23 24	0 24	8 49	9 5	6 59	1 14	4 5	F 2
S 3	5 7	24 32	3 31	12 30	0 46	9 49	0 24	5 7	0 16	16 19	0 44	7 51	2 17	20 53	0 7	15 43	0 33	23 24	0 24	8 49	9 6	7 2	1 13	4 5	S 3
S 4	4 44	20 46	2 35	12 19	0 58	10 19	0 28	5 24	0 16	16 22	0 44	7 53	2 16	20 52	0 7	15 43	0 33	23 24	0 24	8 49	9 7	7 5	1 12	4 5	S 4
M 5	4 21	16 10	1 33	12 4	1 9	10 48	0 31	5 40	0 15	16 24	0 43	7 56	2 16	20 52	0 7	15 44	0 33	23 25	0 25	8 48	9 8	7 9	1 11	4 5	M 5
T 6	3 57	11 0	0 27	11 45	1 18	11 17	0 35	5 56	0 15	16 27	0 43	7 58	2 16	20 52	0 7	15 44	0 33	23 25	0 25	8 48	9 10	7 12	1 10	4 5	T 6
W 7	3 34	5 28	0n39	11 23	1 26	11 46	0 38	6 13	0 14	16 30	0 43	8 0	2 16	20 52	0 7	15 45	0 33	23 25	0 25	8 48	9 11	7 15	1 8	4 5	W 7
T 8	3 11	0n11	1 43	10 58	1 34	12 15	0 42	6 29	0 13	16 33	0 43	8 3	2 16	20 52	0 7	15 45	0 33	23 25	0 25	8 48	9 12	7 19	1 7	4 5	T 8
F 9	2 47	5 49	2 43	10 30	1 40	12 43	0 45	6 45	0 13	16 36	0 43	8 5	2 16	20 52	0 7	15 45	0 33	23 25	0 25	8 49	9 13	7 22	1 6	4 5	F 9
S 10	2 24	11 14	3 35	9 59	1 44	13 11	0 49	7 1	0 12	16 39	0 43	8 8	2 16	20 52	0 7	15 46	0 33	23 25	0 25	8 50	9 14	7 25	1 5	4 5	S 10
S 11	2 1	16 15	4 17	9 26	1 48	13 39	0 52	7 17	0 11	16 42	0 42	8 10	2 16	20 52	0 7	15 46	0 33	23 25	0 25	8 51	9 15	7 28	1 4	4 5	S 11
M12	1 37	20 41	4 49	8 50	1 51	14 7	0 56	7 33	0 11	16 45	0 42	8 12	2 15	20 52	0 7	15 47	0 33	23 25	0 25	8 52	9 17	7 32	1 3	4 5	M12
T 13	1 14	24 19	5 9	8 13	1 53	14 34	0 59	7 49	0 10	16 48	0 42	8 15	2 15	20 52	0 7	15 47	0 33	23 25	0 25	8 53	9 18	7 35	1 1	4 5	T 13
W14	0 50	26 56	5 15	7 34	1 54	15 1	1 3	8 5	0 9	16 52	0 42	8 17	2 15	20 52	0 7	15 47	0 33	23 25	0 25	8 54	9 19	7 38	1 0	4 5	W14
T 15	0 26	28 18	5 7	6 53	1 54	15 27	1 6	8 21	0 9	16 55	0 42	8 20	2 15	20 52	0 7	15 48	0 33	23 25	0 25	8 54	9 20	7 42	0 59	4 4	T 15
F 16	0 3	28 14	4 43	6 12	1 54	15 53	1 10	8 37	0 8	16 58	0 42	8 22	2 15	20 52	0 7	15 48	0 33	23 25	0 25	8 54	9 21	7 45	0 58	4 4	F 16
S 17	0s21	26 36	4 5	5 29	1 53	16 19	1 14	8 53	0 8	17 1	0 41	8 25	2 15	20 51	0 7	15 48	0 33	23 25	0 25	8 54	9 22	7 48	0 57	4 4	S 17
S 18	0 45	23 24	3 12	4 45	1 51	16 45	1 17	9 9	0 7	17 4	0 41	8 27	2 15	20 51	0 7	15 49	0 33	23 25	0 25	8 54	9 24	7 51	0 56	4 4	S 18
M19	1 8	18 47	2 6	4 1	1 48	17 10	1 21	9 25	0 6	17 7	0 41	8 30	2 15	20 51	0 7	15 49	0 33	23 25	0 26	8 53	9 25	7 55	0 54	4 4	M19
T 20	1 32	12 57	0 50	3 15	1 45	17 34	1 24	9 41	0 6	17 10	0 41	8 32	2 15	20 51	0 7	15 49	0 33	23 25	0 26	8 53	9 26	7 58	0 53	4 4	T 20
W21	1 56	6 15	0s31	2 30	1 42	17 59	1 28	9 57	0 5	17 13	0 41	8 35	2 14	20 51	0 7	15 50	0 33	23 25	0 26	8 53	9 27	8 1	0 52	4 4	W21
T 22	2 19	0s54	1 51	1 44	1 38	18 22	1 31	10 12	0 4	17 17	0 41	8 37	2 14	20 51	0 7	15 50	0 33	23 25	0 26	8 53	9 28	8 5	0 51	4 4	T 22
F 23	2 43	8 5	3 4	0 58	1 34	18 46	1 34	10 28	0 4	17 20	0 40	8 40	2 14	20 50	0 7	15 50	0 33	23 25	0 26	8 54	9 30	8 8	0 50	4 4	F 23
S 24	3 7	14 47	4 4	0 12	1 29	19 9	1 38	10 43	0 3	17 23	0 40	8 42	2 14	20 50	0 7	15 51	0 33	23 25	0 26	8 55	9 31	8 11	0 49	4 4	S 24
S 25	3 30	20 31	4 46	0s34	1 25	19 31	1 41	10 59	0 2	17 26	0 40	8 45	2 14	20 50	0 7	15 51	0 33	23 25	0 26	8 57	9 32	8 14	0 47	4 3	S 25
M26	3 54	24 52	5 9	1 20	1 19	19 53	1 45	11 14	0 2	17 29	0 40	8 48	2 14	20 50	0 7	15 51	0 33	23 25	0 26	8 59	9 33	8 18	0 46	4 3	M26
T 27	4 17	27 32	5 11	2 6	1 14	20 15	1 48	11 30	0 1	17 33	0 40	8 50	2 14	20 50	0 7	15 51	0 33	23 25	0 26	9 0	9 34	8 21	0 45	4 3	T 27
W28	4 41	28 24	4 54	2 52	1 8	20 36	1 51	11 45	0 1	17 36	0 40	8 53	2 14	20 49	0 7	15 52	0 33	23 25	0 26	9 1	9 35	8 24	0 44	4 3	W28
T 29	5 4	27 33	4 22	3 37	1 3	20 57	1 54	12 0	0s 0	17 39	0 40	8 55	2 14	20 49	0 7	15 52	0 33	23 25	0 26	9 2	9 37	8 27	0 43	4 3	T 29
F 30	5s27	25s12	3s38	4s23	0n56	21s17	1s58	12s15	0s 1	17s42	0n39	8s58	2n14	20n49	0s 7	15s52	0s33	23n25	0n26	9s 2	9s38	8n31	0n42	4n 3	F 30

Julian Day Number = 2155218.5, Delta T = 13m46s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'39, Lahiri = 12°32'40 Julian Calendar 1 Sept. 1188 == Greg. Calendar 8 Sept. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

OCTOBER 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 31	14♎45'27	5♒18	14♎55	27♏18	2♏46	22♏ 9	28♎46	3°R23	18°R31	12♋12	6♓54	5♓12	14♈ 6	22°R23	S 1
S 2	1 10 27	15°45'11	17°36	16°35	28°28	3°28	22°21	28°53	3♊22	18♒31	12°12	6°56	5° 9	14°13	22♓20	S 2
M 3	1 14 24	16°44'56	29°42	18°15	29°37	4°10	22°33	29° 0	3°21	18°30	12°13	6°57	5° 5	14°19	22°18	M 3
T 4	1 18 21	17°44'43	11♓39	19°54	0♐47	4°52	22°45	29° 7	3°19	18°29	12°13	6°R57	5° 2	14°26	22°15	T 4
W 5	1 22 17	18°44'32	23°30	21°33	1°57	5°34	22°57	29°14	3°17	18°29	12°13	6°55	4°59	14°33	22°13	W 5
T 6	1 26 14	19°44'23	5♈20	23°11	3° 6	6°17	23°10	29°22	3°16	18°28	12°R13	6°52	4°56	14°39	22°11	T 6
F 7	1 30 10	20°44'15	17° 9	24°48	4°15	6°59	23°22	29°29	3°14	18°28	12°13	6°46	4°53	14°46	22° 8	F 7
S 8	1 34 7	21°44'10	29° 0	26°25	5°25	7°41	23°34	29°36	3°12	18°27	12°13	6°38	4°50	14°53	22° 6	S 8
S 9	1 38 3	22°44'07	10♉55	28° 2	6°34	8°24	23°47	29°43	3°11	18°27	12°13	6°30	4°46	14°59	22° 4	S 9
M10	1 42 0	23°44'05	22°56	29°37	7°43	9° 6	23°59	29°50	3° 9	18°26	12°12	6°20	4°43	15° 6	22° 1	M10
T 11	1 45 56	24°44'06	5♊ 3	1♏13	8°52	9°49	24°12	29°57	3° 7	18°26	12°12	6°11	4°40	15°13	21°59	T 11
W12	1 49 53	25°44'09	17°19	2°48	10° 1	10°31	24°24	0♏ 4	3° 5	18°25	12°12	6° 4	4°37	15°19	21°57	W12
T 13	1 53 50	26°44'14	29°47	4°22	11° 9	11°14	24°37	0°12	3° 3	18°25	12°12	5°58	4°34	15°26	21°55	T 13
F 14	1 57 46	27°44'21	12♋29	5°56	12°18	11°57	24°50	0°19	3° 2	18°25	12°12	5°55	4°30	15°33	21°53	F 14
S 15	2 1 43	28°44'31	25°29	7°30	13°26	12°39	25° 2	0°26	3° 0	18°24	12°12	5°D53	4°27	15°39	21°50	S 15
S 16	2 5 39	29°44'42	8♌49	9° 3	14°35	13°22	25°15	0°33	2°58	18°24	12°11	5°54	4°24	15°46	21°48	S 16
M17	2 9 36	0♏44'56	22°33	10°36	15°43	14° 5	25°28	0°40	2°56	18°24	12°11	5°55	4°21	15°53	21°46	M17
T 18	2 13 32	1°45'12	6♍42	12° 8	16°51	14°48	25°41	0°47	2°54	18°24	12°11	5°R55	4°18	15°59	21°44	T 18
W19	2 17 29	2°45'29	21°16	13°40	17°59	15°31	25°54	0°54	2°51	18°23	12°11	5°54	4°15	16° 6	21°42	W19
T 20	2 21 25	3°45'49	6♎11	15°12	19° 7	16°14	26° 7	1° 2	2°49	18°23	12°10	5°51	4°11	16°13	21°41	T 20
F 21	2 25 22	4°46'11	21°20	16°43	20°14	16°57	26°20	1° 9	2°47	18°23	12°10	5°45	4° 8	16°19	21°39	F 21
S 22	2 29 19	5°46'34	6♏34	18°14	21°22	17°40	26°33	1°16	2°45	18°23	12°10	5°37	4° 5	16°26	21°37	S 22
S 23	2 33 15	6°46'59	21°43	19°45	22°29	18°24	26°46	1°23	2°43	18°D23	12° 9	5°27	4° 2	16°33	21°35	S 23
M24	2 37 12	7°47'26	6♐36	21°15	23°37	19° 7	26°59	1°30	2°41	18°23	12° 9	5°17	3°59	16°39	21°33	M24
T 25	2 41 8	8°47'55	21° 4	22°45	24°44	19°50	27°12	1°37	2°38	18°23	12° 8	5° 8	3°56	16°46	21°32	T 25
W26	2 45 5	9°48'25	5♑ 4	24°14	25°51	20°34	27°25	1°45	2°36	18°23	12° 8	5° 1	3°52	16°53	21°30	W26
T 27	2 49 1	10°48'56	18°34	25°44	26°57	21°17	27°38	1°52	2°34	18°23	12° 7	4°57	3°49	17° 0	21°29	T 27
F 28	2 52 58	11°49'29	1♒36	27°12	28° 4	22° 1	27°52	1°59	2°31	18°23	12° 7	4°54	3°46	17° 6	21°27	F 28
S 29	2 56 54	12°50'03	14°12	28°40	29°10	22°44	28° 5	2° 6	2°29	18°24	12° 6	4°D54	3°43	17°13	21°26	S 29
S 30	3 0 51	13°50'38	26°29	0♐ 8	0♑16	23°28	28°18	2°13	2°27	18°24	12° 6	4°54	3°40	17°20	21°24	S 30
M31	3 4 48	14♏51'14	8♓32	1♐35	1♑22	24♏11	28♏31	2♏20	2♊24	18♒24	12♋ 5	4°R55	3♓36	17♈26	21♓23	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s50	21s41	2s44	5s 8	0n50	21s36	2s 1	12s30	0s 1	17s45	0n39	9s 0	2n14	20n49	0s 7	15s52	0s33	23n25	0n26	9s 1	9s39	8n34	0n41	4n 3
S 2	6 14	17 16	1 43	5 52	0 44	21 55	2 4	12 45	0 2	17 49	0 39	9 3	2 14	20 48	0 7	15 53	0 33	23 25	0 27	9 0	9 40	8 37	0 39	4 2
M 3	6 37	12 15	0 39	6 36	0 38	22 14	2 7	13 0	0 3	17 52	0 39	9 5	2 14	20 48	0 7	15 53	0 33	23 25	0 27	9 0	9 41	8 40	0 38	4 2
T 4	7 0	6 50	0n26	7 20	0 31	22 31	2 10	13 15	0 3	17 55	0 39	9 8	2 13	20 48	0 7	15 53	0 33	23 26	0 27	9 0	9 42	8 44	0 37	4 2
W 5	7 23	1 14	1 29	8 3	0 25	22 49	2 13	13 30	0 4	17 58	0 39	9 10	2 13	20 47	0 7	15 53	0 33	23 26	0 27	9 1	9 44	8 47	0 36	4 2
T 6	7 45	4n23	2 28	8 46	0 18	23 5	2 16	13 45	0 4	18 1	0 39	9 13	2 13	20 47	0 7	15 53	0 33	23 26	0 27	9 2	9 45	8 50	0 35	4 2
F 7	8 8	9 51	3 20	9 28	0 11	23 22	2 19	13 59	0 5	18 5	0 38	9 16	2 13	20 47	0 7	15 54	0 33	23 26	0 27	9 4	9 46	8 53	0 34	4 2
S 8	8 30	14 58	4 4	10 10	0 5	23 37	2 21	14 14	0 6	18 8	0 38	9 18	2 13	20 46	0 7	15 54	0 33	23 26	0 27	9 7	9 47	8 56	0 33	4 1
S 9	8 53	19 33	4 37	10 51	0s 2	23 52	2 24	14 28	0 6	18 11	0 38	9 21	2 13	20 46	0 7	15 54	0 33	23 26	0 27	9 10	9 48	9 0	0 32	4 1
M10	9 15	23 24	4 59	11 32	0 9	24 6	2 27	14 42	0 7	18 14	0 38	9 23	2 13	20 46	0 7	15 54	0 33	23 26	0 27	9 14	9 49	9 3	0 31	4 1
T 11	9 37	26 16	5 7	12 11	0 16	24 20	2 29	14 56	0 8	18 18	0 38	9 26	2 13	20 45	0 7	15 54	0 33	23 26	0 27	9 17	9 51	9 6	0 30	4 1
W12	9 59	27 56	5 1	12 51	0 22	24 33	2 32	15 10	0 8	18 21	0 38	9 28	2 13	20 45	0 7	15 54	0 33	23 26	0 27	9 20	9 52	9 9	0 29	4 1
T 13	10 21	28 14	4 41	13 29	0 29	24 45	2 34	15 24	0 9	18 24	0 38	9 31	2 13	20 45	0 7	15 54	0 33	23 26	0 27	9 22	9 53	9 13	0 28	4 1
F 14	10 43	27 3	4 7	14 7	0 35	24 57	2 36	15 38	0 9	18 27	0 37	9 33	2 13	20 44	0 7	15 54	0 33	23 26	0 27	9 23	9 54	9 16	0 27	4 0
S 15	11 5	24 24	3 20	14 44	0 42	25 8	2 39	15 52	0 10	18 30	0 37	9 36	2 13	20 44	0 7	15 54	0 33	23 26	0 28	9 24	9 55	9 19	0 26	4 0
S 16	11 26	20 23	2 20	15 21	0 48	25 19	2 41	16 6	0 11	18 34	0 37	9 38	2 13	20 44	0 7	15 55	0 33	23 27	0 28	9 23	9 56	9 22	0 25	4 0
M17	11 47	15 11	1 11	15 56	0 55	25 29	2 43	16 19	0 11	18 37	0 37	9 41	2 13	20 43	0 7	15 55	0 33	23 27	0 28	9 23	9 58	9 25	0 24	4 0
T 18	12 8	9 1	0s 4	16 31	1 1	25 38	2 45	16 32	0 12	18 40	0 37	9 43	2 13	20 43	0 7	15 55	0 33	23 27	0 28	9 23	9 59	9 29	0 23	3 59
W19	12 29	2 14	1 21	17 5	1 7	25 46	2 47	16 46	0 13	18 43	0 37	9 46	2 13	20 42	0 7	15 55	0 33	23 27	0 28	9 23	10 0	9 32	0 22	3 59
T 20	12 50	4s50	2 35	17 38	1 13	25 54	2 49	16 59	0 13	18 46	0 37	9 48	2 13	20 42	0 7	15 55	0 33	23 27	0 28	9 24	10 1	9 35	0 21	3 59
F 21	13 10	11 43	3 38	18 11	1 19	26 1	2 50	17 12	0 14	18 49	0 37	9 51	2 13	20 42	0 7	15 55	0 33	23 27	0 28	9 27	10 2	9 38	0 20	3 59
S 22	13 30	17 57	4 26	18 42	1 25	26 7	2 52	17 25	0 14	18 53	0 37	9 53	2 13	20 41	0 7	15 55	0 33	23 27	0 28	9 30	10 3	9 41	0 19	3 59
S 23	13 50	23 1	4 55	19 13	1 31	26 13	2 53	17 37	0 15	18 56	0 36	9 56	2 13	20 41	0 7	15 55	0 33	23 27	0 28	9 33	10 4	9 45	0 18	3 58
M24	14 10	26 30	5 4	19 42	1 36	26 18	2 55	17 50	0 16	18 59	0 36	9 58	2 13	20 40	0 7	15 55	0 33	23 27	0 28	9 37	10 6	9 48	0 17	3 58
T 25	14 30	28 6	4 52	20 11	1 42	26 22	2 56	18 2	0 16	19 2	0 36	10 1	2 13	20 40	0 7	15 55	0 33	23 28	0 28	9 40	10 7	9 51	0 16	3 58
W26	14 49	27 50	4 23	20 38	1 47	26 26	2 57	18 14	0 17	19 5	0 36	10 3	2 13	20 40	0 7	15 55	0 33	23 28	0 28	9 43	10 8	9 54	0 15	3 58
T 27	15 8	25 54	3 41	21 5	1 52	26 29	2 58	18 27	0 17	19 8	0 36	10 6	2 13	20 39	0 7	15 55	0 33	23 28	0 28	9 44	10 9	9 57	0 14	3 57
F 28	15 27	22 37	2 48	21 31	1 56	26 31	2 59	18 39	0 18	19 11	0 36	10 8	2 13	20 39	0 7	15 55	0 33	23 28	0 28	9 45	10 10	10 1	0 14	3 57
S 29	15 46	18 22	1 48	21 55	2 1	26 33	3 0	18 50	0 19	19 14	0 36	10 10	2 13	20 38	0 7	15 55	0 33	23 28	0 29	9 45	10 11	10 4	0 13	3 57
S 30	16 4	13 27	0 45	22 18	2 5	26 34	3 1	19 2	0 19	19 17	0 36	10 13	2 13	20 38	0 7	15 55	0 33	23 28	0 29	9 45	10 13	10 7	0 12	3 57
M31	16s22	8s 7	0n19	22s41	2s 9	26s34	3s 1	19s13	0s20	19s21	0n36	10s15	2n13	20n37	0s 7	15s54	0s33	23n28	0n29	9s45	10s14	10n10	0n11	3n57

Julian Day Number = 2155248.5, Delta T = 13m46s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'43, Lahiri = 12°32'44 Julian Calendar 1 Oct. 1188 == Greg. Calendar 8 Oct. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

NOVEMBER 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 44	15♏51'52	20♓25	3♐ 2	2♑28	24♏55	28♏45	2♏27	2°R22	18♒24	12°R 4	4°R53	3♓33	17♈33	21°R21	T 1
W 2	3 12 41	16°52'30	2♈13	4°28	3°33	25°39	28°58	2°34	2♊20	18°25	12♋ 4	4♓50	3°30	17°40	21♓20	W 2
T 3	3 16 37	17°53'10	14° 1	5°53	4°38	26°23	29°12	2°41	2°17	18°25	12° 3	4°44	3°27	17°46	21°19	T 3
F 4	3 20 34	18°53'52	25°52	7°18	5°43	27° 7	29°25	2°48	2°15	18°25	12° 2	4°34	3°24	17°53	21°18	F 4
S 5	3 24 30	19°54'34	7♉49	8°41	6°48	27°51	29°38	2°55	2°12	18°26	12° 2	4°23	3°21	18° 0	21°17	S 5
S 6	3 28 27	20°55'18	19°52	10° 4	7°53	28°35	29°52	3° 2	2°10	18°26	12° 1	4° 9	3°17	18° 6	21°15	S 6
M 7	3 32 23	21°56'04	2♊ 3	11°25	8°57	29°19	0♐ 5	3° 9	2° 7	18°27	12° 0	3°55	3°14	18°13	21°14	M 7
T 8	3 36 20	22°56'51	14°23	12°45	10° 1	0♐ 3	0°19	3°16	2° 5	18°27	12° 0	3°41	3°11	18°20	21°13	T 8
W 9	3 40 17	23°57'39	26°52	14° 4	11° 4	0°47	0°32	3°23	2° 2	18°28	11°59	3°29	3° 8	18°26	21°13	W 9
T 10	3 44 13	24°58'28	9♋32	15°21	12° 8	1°31	0°46	3°30	2° 0	18°28	11°58	3°19	3° 5	18°33	21°12	T 10
F 11	3 48 10	25°59'19	22°22	16°36	13°11	2°15	0°59	3°36	1°57	18°29	11°57	3°13	3° 2	18°40	21°11	F 11
S 12	3 52 6	27° 0'12	5♌26	17°48	14°14	3° 0	1°13	3°43	1°55	18°30	11°56	3° 9	2°58	18°46	21°10	S 12
S 13	3 56 3	28° 1'06	18°45	18°59	15°16	3°44	1°26	3°50	1°52	18°30	11°55	3° 8	2°55	18°53	21° 9	S 13
M14	3 59 59	29° 2'01	2♍21	20° 6	16°18	4°28	1°40	3°57	1°50	18°31	11°55	3° 8	2°52	19° 0	21° 9	M14
T 15	4 3 56	0♐ 2'57	16°17	21° 9	17°20	5°13	1°53	4° 3	1°47	18°32	11°54	3° 7	2°49	19° 7	21° 8	T 15
W16	4 7 52	1° 3'55	0♎32	22° 9	18°21	5°57	2° 7	4°10	1°44	18°32	11°53	3° 6	2°46	19°13	21° 8	W16
T 17	4 11 49	2° 4'54	15° 6	23° 4	19°22	6°42	2°21	4°17	1°42	18°33	11°52	3° 1	2°42	19°20	21° 7	T 17
F 18	4 15 46	3° 5'55	29°55	23°54	20°23	7°27	2°34	4°23	1°39	18°34	11°51	2°54	2°39	19°27	21° 7	F 18
S 19	4 19 42	4° 6'56	14♏52	24°38	21°23	8°11	2°48	4°30	1°37	18°35	11°50	2°44	2°36	19°33	21° 6	S 19
S 20	4 23 39	5° 7'59	29°47	25°15	22°23	8°56	3° 1	4°36	1°34	18°36	11°49	2°32	2°33	19°40	21° 6	S 20
M21	4 27 35	6° 9'03	14♐33	25°45	23°22	9°41	3°15	4°43	1°32	18°37	11°48	2°20	2°30	19°47	21° 6	M21
T 22	4 31 32	7°10'07	29° 0	26° 7	24°21	10°26	3°28	4°49	1°29	18°38	11°47	2° 9	2°27	19°53	21° 6	T 22
W23	4 35 28	8°11'12	13♑ 2	26°19	25°19	11°11	3°42	4°56	1°27	18°39	11°46	1°59	2°23	20° 0	21° 5	W23
T 24	4 39 25	9°12'18	26°37	26°R22	26°17	11°56	3°56	5° 2	1°24	18°40	11°45	1°52	2°20	20° 7	21° 5	T 24
F 25	4 43 22	10°13'24	9♒43	26°13	27°15	12°41	4° 9	5° 8	1°22	18°41	11°44	1°48	2°17	20°13	21°D 5	F 25
S 26	4 47 18	11°14'31	22°24	25°53	28°12	13°26	4°23	5°15	1°19	18°42	11°43	1°47	2°14	20°20	21° 5	S 26
S 27	4 51 15	12°15'38	4♓45	25°22	29° 8	14°11	4°36	5°21	1°17	18°43	11°42	1°D46	2°11	20°27	21° 5	S 27
M28	4 55 11	13°16'45	16°49	24°39	0♒ 4	14°56	4°50	5°27	1°14	18°44	11°40	1°R46	2° 8	20°33	21° 5	M28
T 29	4 59 8	14°17'53	28°43	23°45	0°59	15°41	5° 3	5°33	1°12	18°46	11°39	1°46	2° 4	20°40	21° 6	T 29
W30	5 3 4	15♐19'00	10♈32	22♐41	1♒53	16♐26	5♐17	5♏39	1♊ 9	18♒47	11♋38	1♓43	2♓ 1	20♈47	21♓ 6	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s40	2s34	1n21	23s 2	2s13	26s33	3s 2	19s25	0s20	19s24	0n35	10s18	2n13	20n37	0s 7	15s54	0s33	23n28	0n29	9s46	10s15	10n13	0n11	3n56
W 2	16 57	3n 1	2 20	23 21	2 16	26 32	3 2	19 36	0 21	19 27	0 35	10 20	2 13	20 36	0 7	15 54	0 33	23 29	0 29	9 47	10 16	10 16	0 10	3 56
T 3	17 14	8 30	3 12	23 40	2 19	26 30	3 2	19 47	0 22	19 30	0 35	10 22	2 13	20 36	0 7	15 54	0 33	23 29	0 29	9 49	10 17	10 20	0 9	3 56
F 4	17 31	13 41	3 55	23 57	2 21	26 27	3 2	19 58	0 22	19 33	0 35	10 25	2 13	20 35	0 7	15 54	0 33	23 29	0 29	9 53	10 18	10 23	0 8	3 56
S 5	17 48	18 25	4 29	24 13	2 24	26 24	3 2	20 8	0 23	19 36	0 35	10 27	2 13	20 35	0 7	15 54	0 33	23 29	0 29	9 57	10 20	10 26	0 8	3 55
S 6	18 4	22 27	4 51	24 27	2 25	26 20	3 2	20 19	0 23	19 39	0 35	10 29	2 13	20 34	0 7	15 54	0 33	23 29	0 29	10 2	10 21	10 29	0 7	3 55
M 7	18 20	25 33	5 0	24 40	2 27	26 16	3 2	20 29	0 24	19 42	0 35	10 32	2 13	20 34	0 7	15 54	0 33	23 29	0 29	10 7	10 22	10 32	0 6	3 55
T 8	18 36	27 30	4 55	24 52	2 28	26 10	3 1	20 39	0 25	19 44	0 35	10 34	2 13	20 33	0 7	15 53	0 33	23 29	0 29	10 12	10 23	10 35	0 6	3 55
W 9	18 51	28 6	4 36	25 2	2 28	26 5	3 0	20 49	0 25	19 47	0 35	10 36	2 13	20 33	0 7	15 53	0 33	23 30	0 29	10 16	10 24	10 39	0 5	3 54
T 10	19 6	27 14	4 3	25 11	2 27	25 58	2 59	20 59	0 26	19 50	0 35	10 39	2 14	20 32	0 7	15 53	0 33	23 30	0 29	10 20	10 25	10 42	0 5	3 54
F 11	19 20	24 55	3 17	25 18	2 26	25 51	2 58	21 8	0 26	19 53	0 35	10 41	2 14	20 32	0 7	15 53	0 33	23 30	0 30	10 22	10 26	10 45	0 4	3 54
S 12	19 35	21 16	2 21	25 23	2 25	25 43	2 57	21 17	0 27	19 56	0 34	10 43	2 14	20 31	0 7	15 53	0 33	23 30	0 30	10 24	10 28	10 48	0 4	3 53
S 13	19 48	16 28	1 15	25 27	2 22	25 35	2 56	21 27	0 28	19 59	0 34	10 45	2 14	20 31	0 7	15 52	0 33	23 30	0 30	10 24	10 29	10 51	0 3	3 53
M14	20 2	10 45	0 4	25 29	2 19	25 26	2 54	21 35	0 28	20 2	0 34	10 47	2 14	20 30	0 7	15 52	0 33	23 30	0 30	10 24	10 30	10 54	0 2	3 53
T 15	20 15	4 23	1s 9	25 30	2 15	25 16	2 53	21 44	0 29	20 4	0 34	10 50	2 14	20 30	0 7	15 52	0 33	23 30	0 30	10 24	10 31	10 57	0 2	3 53
W16	20 28	2s21	2 19	25 29	2 10	25 6	2 51	21 53	0 29	20 7	0 34	10 52	2 14	20 29	0 7	15 52	0 33	23 31	0 30	10 25	10 32	11 0	0 2	3 52
T 17	20 40	9 5	3 22	25 26	2 4	24 56	2 49	22 1	0 30	20 10	0 34	10 54	2 14	20 29	0 7	15 51	0 33	23 31	0 30	10 26	10 33	11 4	0 1	3 52
F 18	20 52	15 25	4 12	25 21	1 57	24 44	2 47	22 9	0 30	20 13	0 34	10 56	2 14	20 28	0 7	15 51	0 33	23 31	0 30	10 29	10 34	11 7	0 1	3 52
S 19	21 4	20 55	4 46	25 15	1 49	24 33	2 44	22 17	0 31	20 16	0 34	10 58	2 14	20 28	0 7	15 51	0 33	23 31	0 30	10 33	10 36	11 10	0 0	3 52
S 20	21 15	25 4	5 0	25 7	1 40	24 20	2 42	22 24	0 32	20 18	0 34	11 0	2 14	20 27	0 7	15 51	0 33	23 31	0 30	10 37	10 37	11 13	0s 0	3 51
M21	21 26	27 30	4 53	24 58	1 29	24 7	2 39	22 32	0 32	20 21	0 34	11 2	2 14	20 27	0 7	15 50	0 33	23 31	0 30	10 41	10 38	11 16	0 0	3 51
T 22	21 36	28 1	4 28	24 46	1 17	23 54	2 36	22 39	0 33	20 24	0 34	11 5	2 14	20 26	0 7	15 50	0 33	23 32	0 30	10 46	10 39	11 19	0 1	3 51
W23	21 46	26 40	3 47	24 33	1 3	23 40	2 33	22 46	0 33	20 26	0 34	11 7	2 15	20 26	0 7	15 50	0 33	23 32	0 30	10 49	10 40	11 22	0 1	3 51
T 24	21 56	23 47	2 54	24 18	0 49	23 26	2 30	22 53	0 34	20 29	0 33	11 9	2 15	20 25	0 7	15 49	0 33	23 32	0 30	10 51	10 41	11 25	0 1	3 50
F 25	22 5	19 43	1 54	24 2	0 32	23 11	2 26	22 59	0 34	20 31	0 33	11 11	2 15	20 25	0 7	15 49	0 33	23 32	0 31	10 53	10 42	11 29	0 2	3 50
S 26	22 14	14 53	0 49	23 44	0 15	22 56	2 22	23 5	0 35	20 34	0 33	11 13	2 15	20 24	0 7	15 49	0 33	23 32	0 31	10 53	10 44	11 32	0 2	3 50
S 27	22 22	9 34	0n16	23 24	0n 4	22 41	2 18	23 11	0 35	20 37	0 33	11 15	2 15	20 24	0 7	15 48	0 33	23 32	0 31	10 53	10 45	11 35	0 2	3 49
M28	22 30	4 1	1 19	23 3	0 23	22 25	2 14	23 17	0 36	20 39	0 33	11 17	2 15	20 23	0 7	15 48	0 33	23 33	0 31	10 53	10 46	11 38	0 2	3 49
T 29	22 37	1n35	2 18	22 41	0 43	22 8	2 10	23 23	0 36	20 42	0 33	11 18	2 15	20 23	0 7	15 48	0 33	23 33	0 31	10 54	10 47	11 41	0 2	3 49
W30	22s44	7n 6	3n10	22s18	1n 3	21s52	2s 5	23s28	0s37	20s44	0n33	11s20	2n15	20n22	0s 7	15s47	0s33	23n33	0n31	10s55	10s48	11n44	0s 3	3n49

Julian Day Number = 2155279.5, Delta T = 13m46s
Ecliptic obliquity = 23°32'49, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'48, Lahiri = 12°32'48 Julian Calendar 1 Nov. 1188 == Greg. Calendar 8 Nov. 1188

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ASTRODIENST EPHEMERIS for the year 1188
geocentric

DECEMBER 1188 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 1	16♐20'08	22♈21	21°R29	2♒47	17♐11	5♐30	5♏45	1°R 7	18♒48	11°R37	1°R37	1♓58	20♈54	21♓ 6	T 1
F 2	5 10 57	17°21'17	4♉15	20♐10	3°40	17°57	5°44	5°51	1♊ 4	18°49	11♋36	1♓29	1°55	21° 0	21° 7	F 2
S 3	5 14 54	18°22'26	16°16	18°49	4°33	18°42	5°57	5°57	1° 2	18°51	11°35	1°18	1°52	21° 7	21° 7	S 3
S 4	5 18 51	19°23'35	28°28	17°26	5°25	19°27	6°10	6° 3	1° 0	18°52	11°34	1° 6	1°48	21°14	21° 8	S 4
M 5	5 22 47	20°24'44	10♊52	16° 5	6°16	20°13	6°24	6° 9	0°57	18°53	11°32	0°52	1°45	21°20	21° 8	M 5
T 6	5 26 44	21°25'54	23°27	14°49	7° 6	20°58	6°37	6°15	0°55	18°55	11°31	0°39	1°42	21°27	21° 9	T 6
W 7	5 30 40	22°27'04	6♋15	13°40	7°55	21°44	6°51	6°20	0°52	18°56	11°30	0°28	1°39	21°34	21° 9	W 7
T 8	5 34 37	23°28'14	19°14	12°39	8°44	22°29	7° 4	6°26	0°50	18°58	11°29	0°19	1°36	21°40	21°10	T 8
F 9	5 38 33	24°29'24	2♌24	11°48	9°31	23°15	7°17	6°32	0°48	18°59	11°28	0°13	1°33	21°47	21°11	F 9
S 10	5 42 30	25°30'35	15°44	11° 7	10°18	24° 1	7°30	6°37	0°46	19° 1	11°26	0° 9	1°29	21°54	21°12	S 10
S 11	5 46 26	26°31'46	29°15	10°36	11° 3	24°46	7°44	6°43	0°43	19° 2	11°25	0°D 9	1°26	22° 0	21°12	S 11
M12	5 50 23	27°32'58	12♍57	10°16	11°48	25°32	7°57	6°48	0°41	19° 4	11°24	0° 9	1°23	22° 7	21°13	M12
T 13	5 54 20	28°34'10	26°50	10° 6	12°32	26°18	8°10	6°53	0°39	19° 5	11°23	0°R 9	1°20	22°14	21°14	T 13
W14	5 58 16	29°35'22	10♎55	10°D 5	13°14	27° 4	8°23	6°59	0°37	19° 7	11°21	0° 9	1°17	22°21	21°15	W14
T 15	6 2 13	0♏36'34	25°11	10°14	13°56	27°50	8°36	7° 4	0°35	19° 9	11°20	0° 6	1°14	22°27	21°16	T 15
F 16	6 6 9	1°37'47	9♏35	10°30	14°36	28°36	8°49	7° 9	0°33	19°10	11°19	0° 1	1°10	22°34	21°18	F 16
S 17	6 10 6	2°39'00	24° 4	10°54	15°15	29°21	9° 2	7°14	0°31	19°12	11°17	29♒54	1° 7	22°41	21°19	S 17
S 18	6 14 2	3°40'13	8♐33	11°25	15°53	0♑ 7	9°15	7°19	0°29	19°14	11°16	29°45	1° 4	22°47	21°20	S 18
M19	6 17 59	4°41'26	22°55	12° 1	16°29	0°53	9°28	7°24	0°27	19°15	11°15	29°35	1° 1	22°54	21°21	M19
T 20	6 21 55	5°42'39	7♑ 4	12°44	17° 4	1°40	9°41	7°29	0°25	19°17	11°14	29°26	0°58	23° 1	21°23	T 20
W21	6 25 52	6°43'52	20°54	13°30	17°38	2°26	9°54	7°34	0°23	19°19	11°12	29°19	0°54	23° 7	21°24	W21
T 22	6 29 49	7°45'04	4♒22	14°22	18°10	3°12	10° 7	7°38	0°21	19°21	11°11	29°13	0°51	23°14	21°26	T 22
F 23	6 33 45	8°46'15	17°26	15°17	18°41	3°58	10°20	7°43	0°19	19°23	11°10	29°11	0°48	23°21	21°27	F 23
S 24	6 37 42	9°47'26	0♓ 9	16°16	19° 9	4°44	10°33	7°48	0°17	19°24	11° 8	29°D10	0°45	23°27	21°29	S 24
S 25	6 41 38	10°48'37	12°32	17°17	19°37	5°30	10°45	7°52	0°15	19°26	11° 7	29°11	0°42	23°34	21°30	S 25
M26	6 45 35	11°49'46	24°39	18°22	20° 2	6°17	10°58	7°56	0°14	19°28	11° 6	29°12	0°39	23°41	21°32	M26
T 27	6 49 31	12°50'55	6♈35	19°29	20°26	7° 3	11°10	8° 1	0°12	19°30	11° 5	29°13	0°35	23°48	21°34	T 27
W28	6 53 28	13°52'03	18°26	20°38	20°48	7°49	11°23	8° 5	0°10	19°32	11° 3	29°R13	0°32	23°54	21°36	W28
T 29	6 57 25	14°53'11	0♉17	21°50	21° 8	8°36	11°35	8° 9	0° 9	19°34	11° 2	29°12	0°29	24° 1	21°37	T 29
F 30	7 1 21	15°54'17	12°12	23° 3	21°25	9°22	11°48	8°13	0° 7	19°36	11° 1	29° 8	0°26	24° 8	21°39	F 30
S 31	7 5 18	16♑55'23	24♉17	24♐18	21♒41	10♑ 9	12♐ 0	8♏17	0♊ 6	19♒38	10♋59	29♒ 3	0♓23	24♈14	21♓41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s51	12n21	3n54	21s53	1n23	21s34	2s 0	23s33	0s38	20s47	0n33	11s22	2n15	20n22	0s 7	15s47	0s33	23n33	0n31	10s57	10s49	11n47	0s 3	3n48	T 1
F 2	22 57	17 12	4 28	21 29	1 42	21 17	1 55	23 38	0 38	20 49	0 33	11 24	2 16	20 21	0 7	15 46	0 33	23 33	0 31	11 0	10 50	11 50	0 3	3 48	F 2
S 3	23 2	21 25	4 51	21 5	2 0	20 59	1 50	23 42	0 39	20 51	0 33	11 26	2 16	20 21	0 7	15 46	0 33	23 33	0 31	11 4	10 52	11 53	0 3	3 48	S 3
S 4	23 7	24 47	5 1	20 41	2 16	20 41	1 44	23 47	0 39	20 54	0 33	11 28	2 16	20 20	0 7	15 45	0 33	23 34	0 31	11 8	10 53	11 56	0 3	3 48	S 4
M 5	23 12	27 4	4 57	20 19	2 31	20 23	1 39	23 51	0 40	20 56	0 33	11 30	2 16	20 20	0 7	15 45	0 33	23 34	0 31	11 13	10 54	11 59	0 3	3 47	M 5
T 6	23 16	28 1	4 38	19 59	2 42	20 4	1 33	23 54	0 40	20 59	0 33	11 31	2 16	20 19	0 7	15 45	0 33	23 34	0 31	11 17	10 55	12 2	0 3	3 47	T 6
W 7	23 20	27 29	4 5	19 42	2 52	19 46	1 26	23 58	0 41	21 1	0 33	11 33	2 16	20 19	0 7	15 44	0 33	23 34	0 31	11 21	10 56	12 5	0 3	3 47	W 7
T 8	23 23	25 27	3 19	19 27	2 59	19 27	1 20	24 1	0 41	21 3	0 33	11 35	2 16	20 19	0 7	15 44	0 33	23 34	0 31	11 25	10 57	12 9	0 3	3 46	T 8
F 9	23 26	22 1	2 22	19 16	3 4	19 7	1 13	24 4	0 42	21 5	0 32	11 36	2 17	20 18	0 7	15 43	0 33	23 34	0 32	11 27	10 58	12 12	0 3	3 46	F 9
S 10	23 28	17 24	1 16	19 8	3 6	18 48	1 6	24 7	0 42	21 8	0 32	11 38	2 17	20 18	0 7	15 43	0 33	23 35	0 32	11 28	11 0	12 15	0 3	3 46	S 10
S 11	23 30	11 52	0 5	19 3	3 7	18 28	0 59	24 9	0 43	21 10	0 32	11 40	2 17	20 17	0 7	15 42	0 33	23 35	0 32	11 28	11 1	12 18	0 3	3 46	S 11
M12	23 31	5 41	1s 8	19 1	3 6	18 9	0 51	24 12	0 43	21 12	0 32	11 41	2 17	20 17	0 7	15 42	0 33	23 35	0 32	11 28	11 2	12 21	0 3	3 45	M12
T 13	23 32	0s50	2 17	19 3	3 3	17 49	0 43	24 13	0 44	21 14	0 32	11 43	2 17	20 16	0 7	15 41	0 33	23 35	0 32	11 28	11 3	12 24	0 2	3 45	T 13
W14	23 33	7 24	3 20	19 7	2 59	17 29	0 35	24 15	0 44	21 16	0 32	11 45	2 17	20 16	0 7	15 41	0 33	23 35	0 32	11 28	11 4	12 27	0 2	3 45	W14
T 15	23 33	13 40	4 10	19 13	2 54	17 9	0 27	24 16	0 45	21 19	0 32	11 46	2 17	20 15	0 7	15 40	0 33	23 35	0 32	11 29	11 5	12 30	0 2	3 45	T 15
F 16	23 32	19 15	4 46	19 21	2 48	16 49	0 18	24 18	0 45	21 21	0 32	11 48	2 18	20 15	0 7	15 40	0 33	23 36	0 32	11 31	11 6	12 33	0 2	3 44	F 16
S 17	23 31	23 46	5 3	19 31	2 41	16 29	0 9	24 18	0 46	21 23	0 32	11 49	2 18	20 15	0 7	15 39	0 33	23 36	0 32	11 33	11 7	12 36	0 2	3 44	S 17
S 18	23 30	26 47	5 1	19 43	2 34	16 9	0 0	24 19	0 46	21 25	0 32	11 51	2 18	20 14	0 7	15 39	0 33	23 36	0 32	11 37	11 9	12 39	0 1	3 44	S 18
M19	23 28	28 1	4 40	19 55	2 26	15 49	0n 9	24 19	0 47	21 27	0 32	11 52	2 18	20 14	0 7	15 38	0 33	23 36	0 32	11 40	11 10	12 42	0 1	3 44	M19
T 20	23 25	27 23	4 2	20 9	2 18	15 29	0 19	24 19	0 47	21 29	0 32	11 53	2 18	20 13	0 6	15 38	0 33	23 36	0 32	11 43	11 11	12 45	0 1	3 43	T 20
W21	23 22	25 3	3 11	20 23	2 9	15 9	0 29	24 19	0 48	21 31	0 32	11 55	2 18	20 13	0 6	15 37	0 33	23 37	0 32	11 46	11 12	12 48	0 0	3 43	W21
T 22	23 19	21 21	2 9	20 38	2 0	14 50	0 39	24 19	0 48	21 33	0 32	11 56	2 19	20 13	0 6	15 36	0 33	23 37	0 32	11 48	11 13	12 51	0 0	3 43	T 22
F 23	23 15	16 40	1 3	20 53	1 51	14 30	0 50	24 18	0 49	21 34	0 32	11 58	2 19	20 12	0 6	15 36	0 33	23 37	0 33	11 49	11 14	12 54	0n 0	3 43	F 23
S 24	23 11	11 23	0n 5	21 8	1 42	14 11	1 1	24 17	0 49	21 36	0 32	11 59	2 19	20 12	0 6	15 35	0 33	23 37	0 33	11 49	11 15	12 57	0 1	3 42	S 24
S 25	23 6	5 47	1 12	21 23	1 33	13 51	1 12	24 15	0 50	21 38	0 32	12 0	2 19	20 11	0 6	15 35	0 33	23 37	0 33	11 49	11 17	13 0	0 1	3 42	S 25
M26	23 1	0 6	2 13	21 38	1 24	13 32	1 24	24 14	0 50	21 40	0 32	12 1	2 19	20 11	0 6	15 34	0 33	23 37	0 33	11 48	11 18	13 3	0 1	3 42	M26
T 27	22 55	5n30	3 8	21 53	1 15	13 14	1 36	24 12	0 50	21 42	0 32	12 3	2 19	20 11	0 6	15 33	0 33	23 38	0 33	11 48	11 19	13 6	0 2	3 42	T 27
W28	22 49	10 52	3 55	22 7	1 6	12 55	1 48	24 10	0 51	21 44	0 31	12 4	2 20	20 10	0 6	15 33	0 33	23 38	0 33	11 48	11 20	13 9	0 2	3 41	W28
T 29	22 43	15 51	4 31	22 21	0 57	12 37	2 0	24 7	0 51	21 45	0 31	12 5	2 20	20 10	0 6	15 32	0 33	23 38	0 33	11 48	11 21	13 12	0 3	3 41	T 29
F 30	22 36	20 15	4 56	22 34	0 48	12 20	2 13	24 4	0 52	21 47	0 31	12 6	2 20	20 10	0 6	15 32	0 33	23 38	0 33	11 50	11 22	13 15	0 3	3 41	F 30
S 31	22s28	23n54	5n 8	22s46	0n39	12s 2	2n26	24s 1	0s52	21s49	0n31	12s 7	2n20	20n 9	0s 6	15s31	0s33	23n38	0n33	11s51	11s23	13n18	0n 4	3n41	S 31

Julian Day Number = 2155309.5, Delta T = 13m45s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'52, Lahiri = 12°32'52 Julian Calendar 1 Dec. 1188 == Greg. Calendar 8 Dec. 1188

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

JANUARY 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 14	17♑56'27	6♊34	25♐34	21♒55	10♑55	12♐13	8♏21	0°R 4	19♒40	10°R58	28°R56	0♓20	24♈21	21♓43	S 1
M 2	7 13 11	18°57'31	19° 6	26°52	22° 6	11°41	12°25	8°25	0♊ 3	19°42	10♋57	28♒49	0°16	24°28	21°45	M 2
T 3	7 17 7	19°58'34	1♋55	28°11	22°15	12°28	12°37	8°29	0° 1	19°44	10°56	28°41	0°13	24°34	21°47	T 3
W 4	7 21 4	20°59'37	15° 0	29°31	22°22	13°15	12°49	8°32	29♉59	19°46	10°54	28°35	0°10	24°41	21°49	W 4
T 5	7 25 0	22° 0'38	28°22	0♑53	22°26	14° 1	13° 1	8°36	29°59	19°48	10°53	28°30	0° 7	24°48	21°51	T 5
F 6	7 28 57	23° 1'38	11♌57	2°16	22°R28	14°48	13°13	8°39	29°57	19°50	10°52	28°27	0° 4	24°55	21°54	F 6
S 7	7 32 54	24° 2'38	25°43	3°39	22°28	15°34	13°25	8°43	29°56	19°52	10°50	28°D26	0° 0	25° 1	21°56	S 7
S 8	7 36 50	25° 3'37	9♍38	5° 4	22°25	16°21	13°37	8°46	29°55	19°54	10°49	28°26	29♒57	25° 8	21°58	S 8
M 9	7 40 47	26° 4'34	23°40	6°29	22°19	17° 8	13°49	8°49	29°54	19°56	10°48	28°28	29°54	25°15	22° 0	M 9
T 10	7 44 43	27° 5'32	7♎46	7°56	22°11	17°54	14° 0	8°52	29°53	19°59	10°47	28°29	29°51	25°21	22° 3	T 10
W11	7 48 40	28° 6'28	21°55	9°23	22° 0	18°41	14°12	8°55	29°52	20° 1	10°45	28°R30	29°48	25°28	22° 5	W11
T 12	7 52 36	29° 7'24	6♏ 4	10°51	21°47	19°28	14°23	8°58	29°51	20° 3	10°44	28°30	29°45	25°35	22° 8	T 12
F 13	7 56 33	0♒ 8'19	20°13	12°20	21°32	20°15	14°35	9° 1	29°50	20° 5	10°43	28°29	29°41	25°41	22°10	F 13
S 14	8 0 29	1° 9'13	4♐19	13°49	21°14	21° 2	14°46	9° 4	29°49	20° 7	10°42	28°26	29°38	25°48	22°13	S 14
S 15	8 4 26	2°10'07	18°20	15°20	20°53	21°48	14°57	9° 7	29°48	20° 9	10°41	28°22	29°35	25°55	22°15	S 15
M16	8 8 23	3°10'59	2♑12	16°51	20°31	22°35	15° 9	9° 9	29°47	20°12	10°39	28°18	29°32	26° 2	22°18	M16
T 17	8 12 19	4°11'51	15°52	18°23	20° 6	23°22	15°20	9°12	29°47	20°14	10°38	28°15	29°29	26° 8	22°21	T 17
W18	8 16 16	5°12'41	29°18	19°56	19°39	24° 9	15°31	9°14	29°46	20°16	10°37	28°11	29°26	26°15	22°23	W18
T 19	8 20 12	6°13'30	12♒28	21°29	19°10	24°56	15°42	9°16	29°45	20°18	10°36	28° 9	29°22	26°22	22°26	T 19
F 20	8 24 9	7°14'17	25°20	23° 4	18°39	25°43	15°53	9°19	29°45	20°20	10°35	28°D 9	29°19	26°28	22°29	F 20
S 21	8 28 5	8°15'03	7♓56	24°39	18° 7	26°30	16° 3	9°21	29°44	20°23	10°34	28° 9	29°16	26°35	22°31	S 21
S 22	8 32 2	9°15'48	20°16	26°15	17°33	27°17	16°14	9°23	29°44	20°25	10°32	28°10	29°13	26°42	22°34	S 22
M23	8 35 58	10°16'31	2♈23	27°52	16°59	28° 4	16°25	9°24	29°43	20°27	10°31	28°12	29°10	26°48	22°37	M23
T 24	8 39 55	11°17'12	14°21	29°29	16°23	28°51	16°35	9°26	29°43	20°29	10°30	28°13	29° 6	26°55	22°40	T 24
W25	8 43 52	12°17'51	26°13	1♒ 8	15°46	29°38	16°46	9°28	29°43	20°32	10°29	28°14	29° 3	27° 2	22°43	W25
T 26	8 47 48	13°18'29	8♉ 4	2°47	15° 9	0♒25	16°56	9°29	29°43	20°34	10°28	28°R15	29° 0	27° 9	22°46	T 26
F 27	8 51 45	14°19'05	20° 0	4°27	14°31	1°12	17° 6	9°31	29°42	20°36	10°27	28°15	28°57	27°15	22°49	F 27
S 28	8 55 41	15°19'40	2♊ 4	6° 8	13°54	1°59	17°16	9°32	29°42	20°38	10°26	28°14	28°54	27°22	22°52	S 28
S 29	8 59 38	16°20'12	14°21	7°50	13°17	2°46	17°26	9°34	29°42	20°41	10°25	28°13	28°51	27°29	22°55	S 29
M30	9 3 34	17°20'43	26°55	9°33	12°40	3°33	17°36	9°35	29°D42	20°43	10°24	28°12	28°47	27°35	22°58	M30
T 31	9 7 31	18♒21'12	9♋49	11♒16	12♒ 4	4♒20	17♐46	9♏36	29♉42	20♒45	10♋23	28♒10	28♒44	27♈42	23♓ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s20	26n32	5n 6	22s58	0n30	11s46	2n39	23s58	0s53	21s50	0n31	12s 8	2n20	20n 9	0s 6	15s30	0s33	23n38	0n33	11s54	11s24	13n21	0n 4	3n40
M 2	22 12	27 55	4 50	23 9	0 22	11 29	2 52	23 55	0 53	21 52	0 31	12 9	2 21	20 9	0 6	15 30	0 33	23 39	0 33	11 56	11 26	13 24	0 5	3 40
T 3	22 3	27 51	4 19	23 19	0 14	11 13	3 6	23 51	0 53	21 54	0 31	12 10	2 21	20 9	0 6	15 29	0 33	23 39	0 33	11 59	11 27	13 27	0 6	3 40
W 4	21 54	26 15	3 34	23 27	0 5	10 58	3 20	23 47	0 54	21 55	0 31	12 11	2 21	20 8	0 6	15 28	0 33	23 39	0 33	12 1	11 28	13 30	0 6	3 40
T 5	21 44	23 8	2 36	23 35	0s 3	10 43	3 34	23 42	0 54	21 57	0 31	12 12	2 21	20 8	0 6	15 28	0 33	23 39	0 33	12 3	11 29	13 33	0 7	3 39
F 6	21 34	18 42	1 29	23 42	0 11	10 29	3 48	23 38	0 55	21 58	0 31	12 13	2 21	20 8	0 6	15 27	0 33	23 39	0 33	12 4	11 30	13 36	0 8	3 39
S 7	21 24	13 14	0 15	23 48	0 18	10 16	4 2	23 33	0 55	22 0	0 31	12 14	2 22	20 8	0 6	15 26	0 33	23 39	0 33	12 4	11 31	13 39	0 8	3 39
S 8	21 13	7 3	1s 1	23 53	0 26	10 3	4 17	23 27	0 55	22 1	0 31	12 15	2 22	20 7	0 6	15 26	0 33	23 40	0 34	12 4	11 32	13 42	0 9	3 39
M 9	21 2	0 29	2 14	23 56	0 33	9 51	4 31	23 22	0 56	22 3	0 31	12 16	2 22	20 7	0 6	15 25	0 33	23 40	0 34	12 4	11 33	13 45	0 10	3 39
T 10	20 50	6s 8	3 19	23 59	0 40	9 40	4 46	23 16	0 56	22 4	0 31	12 16	2 22	20 7	0 6	15 24	0 33	23 40	0 34	12 3	11 35	13 48	0 10	3 38
W11	20 38	12 28	4 12	24 0	0 47	9 30	5 0	23 10	0 57	22 6	0 31	12 17	2 22	20 7	0 6	15 24	0 33	23 40	0 34	12 3	11 36	13 51	0 11	3 38
T 12	20 26	18 9	4 50	24 0	0 54	9 20	5 15	23 4	0 57	22 7	0 31	12 18	2 23	20 6	0 6	15 23	0 33	23 40	0 34	12 3	11 37	13 54	0 12	3 38
F 13	20 13	22 51	5 10	23 58	1 0	9 12	5 29	22 57	0 57	22 8	0 31	12 19	2 23	20 6	0 6	15 22	0 33	23 40	0 34	12 3	11 38	13 57	0 13	3 38
S 14	20 0	26 12	5 11	23 55	1 6	9 4	5 43	22 51	0 58	22 10	0 31	12 19	2 23	20 6	0 6	15 22	0 33	23 41	0 34	12 4	11 39	14 0	0 13	3 37
S 15	19 46	27 55	4 54	23 51	1 12	8 57	5 57	22 44	0 58	22 11	0 31	12 20	2 23	20 6	0 6	15 21	0 33	23 41	0 34	12 6	11 40	14 2	0 14	3 37
M16	19 32	27 52	4 20	23 46	1 18	8 51	6 11	22 36	0 58	22 12	0 31	12 21	2 24	20 6	0 6	15 20	0 33	23 41	0 34	12 7	11 41	14 5	0 15	3 37
T 17	19 18	26 6	3 32	23 39	1 23	8 46	6 24	22 29	0 59	22 14	0 31	12 21	2 24	20 6	0 6	15 20	0 33	23 41	0 34	12 8	11 42	14 8	0 16	3 37
W18	19 3	22 52	2 32	23 31	1 28	8 42	6 37	22 21	0 59	22 15	0 31	12 22	2 24	20 6	0 6	15 19	0 33	23 41	0 34	12 9	11 43	14 11	0 17	3 37
T 19	18 48	18 30	1 25	23 21	1 33	8 39	6 50	22 13	0 59	22 16	0 31	12 22	2 24	20 5	0 6	15 18	0 33	23 41	0 34	12 10	11 45	14 14	0 18	3 36
F 20	18 33	13 23	0 15	23 10	1 37	8 37	7 1	22 4	1 0	22 17	0 31	12 23	2 24	20 5	0 6	15 18	0 33	23 42	0 34	12 10	11 46	14 17	0 19	3 36
S 21	18 17	7 48	0n54	22 57	1 42	8 36	7 13	21 56	1 0	22 18	0 31	12 23	2 25	20 5	0 6	15 17	0 33	23 42	0 34	12 10	11 47	14 20	0 20	3 36
S 22	18 1	2 3	1 59	22 43	1 46	8 36	7 23	21 47	1 0	22 19	0 31	12 24	2 25	20 5	0 6	15 16	0 33	23 42	0 34	12 10	11 48	14 23	0 21	3 36
M23	17 45	3n40	2 58	22 28	1 49	8 36	7 33	21 38	1 1	22 21	0 31	12 24	2 25	20 5	0 6	15 15	0 33	23 42	0 34	12 9	11 49	14 26	0 22	3 36
T 24	17 28	9 11	3 48	22 11	1 52	8 38	7 42	21 29	1 1	22 22	0 31	12 24	2 25	20 5	0 6	15 15	0 33	23 42	0 34	12 9	11 50	14 29	0 23	3 36
W25	17 11	14 20	4 28	21 52	1 55	8 41	7 51	21 19	1 1	22 23	0 31	12 25	2 26	20 5	0 6	15 14	0 33	23 42	0 35	12 8	11 51	14 32	0 24	3 35
T 26	16 54	18 56	4 57	21 32	1 58	8 44	7 58	21 9	1 2	22 24	0 30	12 25	2 26	20 5	0 6	15 13	0 33	23 42	0 35	12 8	11 52	14 34	0 25	3 35
F 27	16 36	22 50	5 13	21 11	2 0	8 49	8 5	20 59	1 2	22 25	0 30	12 25	2 26	20 5	0 6	15 13	0 33	23 43	0 35	12 8	11 53	14 37	0 26	3 35
S 28	16 19	25 49	5 16	20 47	2 2	8 54	8 10	20 49	1 2	22 26	0 30	12 25	2 26	20 5	0 6	15 12	0 33	23 43	0 35	12 8	11 55	14 40	0 27	3 35
S 29	16 1	27 39	5 4	20 23	2 3	8 59	8 15	20 39	1 2	22 27	0 30	12 26	2 26	20 5	0 6	15 11	0 33	23 43	0 35	12 9	11 56	14 43	0 28	3 35
M30	15 42	28 8	4 38	19 56	2 4	9 6	8 19	20 28	1 3	22 28	0 30	12 26	2 27	20 5	0 6	15 10	0 33	23 43	0 35	12 9	11 57	14 46	0 29	3 34
T 31	15s24	27n 7	3n57	19s28	2s 5	9s13	8n22	20s17	1s 3	22s29	0n30	12s26	2n27	20n 5	0s 6	15s10	0s33	23n43	0n35	12s10	11s58	14n49	0n30	3n34

Julian Day Number = 2155340.5, Delta T = 13m45s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°25'56, Lahiri = 12°32'56 Julian Calendar 1 Jan. 1189 == Greg. Calendar 8 Jan. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

FEBRUARY 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 11 27	19♒21'39	23♋ 5	13♒ 1	11°R29	5♒ 7	17♐55	9♏37	29♉42	20♒48	10°R22	28°R 9	28♒41	27♈49	23♓ 4	W 1
T 2	9 15 24	20°22'04	6♌42	14°46	10♒55	5°54	18° 5	9°38	29°42	20°50	10♋21	28♒ 8	28°38	27°55	23° 8	T 2
F 3	9 19 21	21°22'28	20°38	16°33	10°23	6°41	18°14	9°38	29°42	20°52	10°20	28° 8	28°35	28° 2	23°11	F 3
S 4	9 23 17	22°22'49	4♍51	18°20	9°53	7°29	18°24	9°39	29°43	20°54	10°19	28°D 8	28°32	28° 9	23°14	S 4
S 5	9 27 14	23°23'09	19°16	20° 9	9°24	8°16	18°33	9°40	29°43	20°57	10°18	28° 8	28°28	28°16	23°17	S 5
M 6	9 31 10	24°23'28	3♎46	21°58	8°57	9° 3	18°42	9°40	29°43	20°59	10°17	28° 8	28°25	28°22	23°20	M 6
T 7	9 35 7	25°23'45	18°17	23°48	8°33	9°50	18°51	9°41	29°44	21° 1	10°17	28° 9	28°22	28°29	23°24	T 7
W 8	9 39 3	26°24'00	2♏44	25°40	8°10	10°37	19° 0	9°41	29°44	21° 3	10°16	28° 9	28°19	28°36	23°27	W 8
T 9	9 43 0	27°24'14	17° 3	27°32	7°50	11°24	19° 8	9°41	29°45	21° 6	10°15	28° 9	28°16	28°42	23°30	T 9
F 10	9 46 56	28°24'26	1♐10	29°25	7°32	12°11	19°17	9°R41	29°45	21° 8	10°14	28° 9	28°12	28°49	23°34	F 10
S 11	9 50 53	29°24'37	15° 5	1♓19	7°17	12°59	19°25	9°41	29°46	21°10	10°13	28° 9	28° 9	28°56	23°37	S 11
S 12	9 54 50	0♓24'47	28°46	3°13	7° 4	13°46	19°34	9°41	29°46	21°13	10°13	28° 9	28° 6	29° 3	23°40	S 12
M13	9 58 46	1°24'54	12♑14	5° 9	6°54	14°33	19°42	9°41	29°47	21°15	10°12	28° 9	28° 3	29° 9	23°44	M13
T 14	10 2 43	2°25'01	25°27	7° 5	6°46	15°20	19°50	9°40	29°48	21°17	10°11	28°10	28° 0	29°16	23°47	T 14
W15	10 6 39	3°25'05	8♒27	9° 1	6°41	16° 7	19°58	9°40	29°49	21°19	10°10	28°10	27°57	29°23	23°51	W15
T 16	10 10 36	4°25'07	21°14	10°58	6°38	16°54	20° 6	9°39	29°50	21°22	10°10	28°11	27°53	29°29	23°54	T 16
F 17	10 14 32	5°25'08	3♓49	12°54	6°D37	17°42	20°14	9°38	29°50	21°24	10° 9	28°R11	27°50	29°36	23°58	F 17
S 18	10 18 29	6°25'06	16°11	14°51	6°39	18°29	20°21	9°38	29°51	21°26	10° 8	28°10	27°47	29°43	24° 1	S 18
S 19	10 22 25	7°25'03	28°23	16°47	6°43	19°16	20°28	9°37	29°52	21°28	10° 8	28° 9	27°44	29°49	24° 5	S 19
M20	10 26 22	8°24'57	10♈26	18°43	6°50	20° 3	20°36	9°36	29°54	21°30	10° 7	28° 8	27°41	29°56	24° 8	M20
T 21	10 30 19	9°24'50	22°22	20°38	6°59	20°50	20°43	9°35	29°55	21°33	10° 6	28° 6	27°38	0♉ 3	24°12	T 21
W22	10 34 15	10°24'40	4♉14	22°31	7°10	21°37	20°50	9°34	29°56	21°35	10° 6	28° 5	27°34	0°10	24°15	W22
T 23	10 38 12	11°24'28	16° 5	24°23	7°23	22°24	20°57	9°32	29°57	21°37	10° 5	28° 3	27°31	0°16	24°19	T 23
F 24	10 42 8	12°24'14	27°59	26°13	7°38	23°12	21° 3	9°31	29°58	21°39	10° 5	28° 2	27°28	0°23	24°22	F 24
S 25	10 46 5	13°23'58	10♊ 1	28° 0	7°55	23°59	21°10	9°30	29°59	21°41	10° 4	28°D 1	27°25	0°30	24°26	S 25
S 26	10 50 1	14°23'39	22°15	29°45	8°14	24°46	21°16	9°28	0♊ 1	21°43	10° 4	28° 1	27°22	0°36	24°30	S 26
M27	10 53 58	15°23'18	4♋46	1♈25	8°35	25°33	21°22	9°26	0° 2	21°46	10° 3	28° 2	27°18	0°43	24°33	M27
T 28	10 57 54	16♓22'55	17♋38	3♈ 2	8♒58	26♒20	21♐28	9♏25	0♊ 4	21♒48	10♋ 3	28♒ 3	27♒15	0♉50	24♓37	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 5	24n33	3n 2	18s59	2s 5	9s20	8n24	20s 6	1s 3	22s29	0n30	12s26	2n27	20n 5	0s 6	15s 9	0s33	23n43	0n35	12s10	11s59	14n52	0n31	3n34
T 2	14 46	20 33	1 56	18 28	2 5	9 28	8 24	19 54	1 3	22 30	0 30	12 26	2 27	20 5	0 6	15 8	0 33	23 43	0 35	12 10	12 0	14 55	0 32	3 34
F 3	14 26	15 20	0 41	17 55	2 4	9 37	8 24	19 43	1 4	22 31	0 30	12 26	2 28	20 5	0 6	15 8	0 33	23 43	0 35	12 11	12 1	14 57	0 33	3 34
S 4	14 7	9 12	0s37	17 21	2 3	9 46	8 23	19 31	1 4	22 32	0 30	12 26	2 28	20 5	0 6	15 7	0 33	23 44	0 35	12 11	12 2	15 0	0 34	3 34
S 5	13 47	2 31	1 55	16 45	2 1	9 55	8 22	19 19	1 4	22 33	0 30	12 26	2 28	20 5	0 6	15 6	0 33	23 44	0 35	12 11	12 3	15 3	0 35	3 34
M 6	13 27	4s20	3 5	16 8	1 59	10 4	8 19	19 7	1 4	22 34	0 30	12 26	2 28	20 5	0 6	15 5	0 33	23 44	0 35	12 10	12 5	15 6	0 37	3 33
T 7	13 7	10 57	4 4	15 29	1 57	10 13	8 16	18 54	1 5	22 34	0 30	12 26	2 28	20 5	0 6	15 5	0 33	23 44	0 35	12 10	12 6	15 9	0 38	3 33
W 8	12 46	16 57	4 47	14 48	1 54	10 23	8 12	18 42	1 5	22 35	0 30	12 26	2 29	20 5	0 6	15 4	0 33	23 44	0 35	12 10	12 7	15 12	0 39	3 33
T 9	12 26	21 58	5 11	14 6	1 50	10 32	8 7	18 29	1 5	22 36	0 30	12 25	2 29	20 6	0 6	15 3	0 33	23 44	0 35	12 10	12 8	15 15	0 40	3 33
F 10	12 5	25 39	5 17	13 23	1 46	10 42	8 2	18 16	1 5	22 37	0 30	12 25	2 29	20 6	0 6	15 3	0 33	23 44	0 35	12 10	12 9	15 17	0 41	3 33
S 11	11 44	27 44	5 4	12 38	1 41	10 52	7 56	18 2	1 5	22 37	0 30	12 25	2 29	20 6	0 6	15 2	0 33	23 44	0 36	12 10	12 10	15 20	0 42	3 33
S 12	11 23	28 6	4 33	11 51	1 35	11 1	7 49	17 49	1 6	22 38	0 30	12 25	2 30	20 6	0 6	15 1	0 33	23 45	0 36	12 10	12 11	15 23	0 44	3 33
M13	11 1	26 46	3 48	11 3	1 29	11 10	7 42	17 35	1 6	22 39	0 30	12 24	2 30	20 6	0 6	15 0	0 33	23 45	0 36	12 10	12 12	15 26	0 45	3 32
T 14	10 40	23 57	2 52	10 14	1 23	11 19	7 35	17 22	1 6	22 39	0 30	12 24	2 30	20 6	0 6	15 0	0 33	23 45	0 36	12 10	12 13	15 29	0 46	3 32
W15	10 18	19 57	1 47	9 24	1 16	11 28	7 27	17 8	1 6	22 40	0 30	12 24	2 30	20 7	0 6	14 59	0 33	23 45	0 36	12 10	12 15	15 31	0 47	3 32
T 16	9 56	15 5	0 38	8 32	1 8	11 37	7 19	16 53	1 6	22 41	0 30	12 23	2 30	20 7	0 6	14 58	0 33	23 45	0 36	12 10	12 16	15 34	0 49	3 32
F 17	9 34	9 40	0n31	7 40	1 0	11 45	7 10	16 39	1 6	22 41	0 30	12 23	2 31	20 7	0 6	14 58	0 33	23 45	0 36	12 10	12 17	15 37	0 50	3 32
S 18	9 12	3 58	1 38	6 46	0 51	11 53	7 2	16 25	1 7	22 42	0 30	12 23	2 31	20 7	0 6	14 57	0 33	23 45	0 36	12 10	12 18	15 40	0 51	3 32
S 19	8 49	1n48	2 40	5 52	0 41	12 1	6 53	16 10	1 7	22 42	0 30	12 22	2 31	20 7	0 6	14 56	0 33	23 45	0 36	12 10	12 19	15 43	0 53	3 32
M20	8 27	7 25	3 33	4 57	0 31	12 8	6 43	15 55	1 7	22 43	0 30	12 22	2 31	20 8	0 6	14 55	0 33	23 45	0 36	12 11	12 20	15 45	0 54	3 32
T 21	8 4	12 43	4 17	4 2	0 20	12 15	6 34	15 40	1 7	22 43	0 30	12 21	2 32	20 8	0 6	14 55	0 33	23 46	0 36	12 11	12 21	15 48	0 55	3 31
W22	7 42	17 31	4 49	3 7	0 9	12 22	6 24	15 25	1 7	22 44	0 30	12 20	2 32	20 8	0 6	14 54	0 33	23 46	0 36	12 12	12 22	15 51	0 56	3 31
T 23	7 19	21 39	5 9	2 12	0n 3	12 28	6 15	15 10	1 7	22 44	0 30	12 20	2 32	20 8	0 6	14 53	0 33	23 46	0 36	12 12	12 23	15 54	0 58	3 31
F 24	6 56	24 56	5 16	1 17	0 15	12 33	6 5	14 54	1 7	22 45	0 30	12 19	2 32	20 9	0 6	14 53	0 33	23 46	0 36	12 13	12 24	15 57	0 59	3 31
S 25	6 33	27 9	5 9	0 23	0 27	12 39	5 55	14 39	1 7	22 45	0 30	12 19	2 32	20 9	0 6	14 52	0 33	23 46	0 36	12 13	12 25	15 59	1 0	3 31
S 26	6 10	28 7	4 48	0n30	0 40	12 43	5 45	14 23	1 7	22 46	0 30	12 18	2 33	20 9	0 6	14 51	0 33	23 46	0 36	12 13	12 27	16 2	1 2	3 31
M27	5 47	27 41	4 13	1 22	0 52	12 48	5 36	14 7	1 8	22 46	0 30	12 17	2 33	20 10	0 6	14 51	0 33	23 46	0 36	12 13	12 28	16 5	1 3	3 31
T 28	5s24	25n46	3n25	2n13	1n 5	12s51	5n26	13s51	1s 8	22s46	0n30	12s17	2n33	20n10	0s 5	14s50	0s33	23n46	0n36	12s12	12s29	16n 8	1n 4	3n31

Julian Day Number = 2155371.5, Delta T = 13m45s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'00, Lahiri = 12°33'01 Julian Calendar 1 Feb. 1189 == Greg. Calendar 8 Feb. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

MARCH 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 1 51	17♓22'29	0♌53	4♈34	9♒22	27♒ 7	21♐34	9°R23	0♊ 5	21♒50	10°R 3	28♒ 5	27♒12	0♉57	24♓40	W 1
T 2	11 5 48	18°22'01	14°34	6° 2	9°49	27°54	21°40	9♏21	0° 7	21°52	10♋ 2	28° 6	27° 9	1° 3	24°44	T 2
F 3	11 9 44	19°21'31	28°41	7°24	10°16	28°41	21°46	9°19	0° 9	21°54	10° 2	28°R 6	27° 6	1°10	24°48	F 3
S 4	11 13 41	20°20'58	13♍11	8°40	10°46	29°28	21°51	9°17	0°10	21°56	10° 2	28° 6	27° 3	1°17	24°51	S 4
S 5	11 17 37	21°20'24	27°58	9°51	11°17	0♓15	21°56	9°15	0°12	21°58	10° 1	28° 4	26°59	1°23	24°55	S 5
M 6	11 21 34	22°19'47	12♎55	10°55	11°49	1° 2	22° 1	9°12	0°14	22° 0	10° 1	28° 1	26°56	1°30	24°59	M 6
T 7	11 25 30	23°19'08	27°54	11°52	12°23	1°49	22° 6	9°10	0°15	22° 2	10° 1	27°58	26°53	1°37	25° 2	T 7
W 8	11 29 27	24°18'28	12♏45	12°43	12°58	2°36	22°11	9° 7	0°17	22° 4	10° 1	27°54	26°50	1°44	25° 6	W 8
T 9	11 33 23	25°17'46	27°23	13°26	13°34	3°23	22°16	9° 5	0°19	22° 6	10° 0	27°51	26°47	1°50	25° 9	T 9
F 10	11 37 20	26°17'02	11♐41	14° 2	14°12	4°10	22°20	9° 2	0°21	22° 8	10° 0	27°49	26°43	1°57	25°13	F 10
S 11	11 41 17	27°16'16	25°38	14°31	14°51	4°57	22°24	9° 0	0°23	22°10	10° 0	27°D48	26°40	2° 4	25°17	S 11
S 12	11 45 13	28°15'29	9♑13	14°52	15°31	5°44	22°29	8°57	0°25	22°12	10° 0	27°49	26°37	2°10	25°20	S 12
M13	11 49 10	29°14'39	22°28	15° 6	16°12	6°31	22°32	8°54	0°27	22°14	10° 0	27°50	26°34	2°17	25°24	M13
T 14	11 53 6	0♈13'48	5♒24	15°R13	16°54	7°18	22°36	8°51	0°29	22°16	10° 0	27°52	26°31	2°24	25°28	T 14
W15	11 57 3	1°12'55	18° 4	15°12	17°37	8° 5	22°40	8°48	0°31	22°18	10° 0	27°53	26°28	2°30	25°31	W15
T 16	12 0 59	2°12'00	0♓32	15° 5	18°21	8°51	22°43	8°45	0°34	22°20	10° 0	27°R54	26°24	2°37	25°35	T 16
F 17	12 4 56	3°11'03	12°50	14°51	19° 6	9°38	22°46	8°42	0°36	22°21	10°D 0	27°52	26°21	2°44	25°38	F 17
S 18	12 8 52	4°10'05	24°58	14°31	19°52	10°25	22°49	8°39	0°38	22°23	10° 0	27°49	26°18	2°51	25°42	S 18
S 19	12 12 49	5° 9'04	7♈ 0	14° 5	20°39	11°12	22°52	8°35	0°40	22°25	10° 0	27°45	26°15	2°57	25°46	S 19
M20	12 16 45	6° 8'01	18°57	13°35	21°27	11°59	22°55	8°32	0°43	22°27	10° 0	27°38	26°12	3° 4	25°49	M20
T 21	12 20 42	7° 6'56	0♉50	13° 0	22°15	12°45	22°57	8°28	0°45	22°29	10° 0	27°31	26° 9	3°11	25°53	T 21
W22	12 24 39	8° 5'48	12°41	12°21	23° 4	13°32	23° 0	8°25	0°48	22°30	10° 0	27°23	26° 5	3°17	25°56	W22
T 23	12 28 35	9° 4'39	24°33	11°40	23°54	14°19	23° 2	8°21	0°50	22°32	10° 0	27°16	26° 2	3°24	26° 0	T 23
F 24	12 32 32	10° 3'28	6♊28	10°56	24°45	15° 5	23° 4	8°18	0°52	22°34	10° 0	27°10	25°59	3°31	26° 4	F 24
S 25	12 36 28	11° 2'14	18°29	10°11	25°36	15°52	23° 6	8°14	0°55	22°35	10° 0	27° 5	25°56	3°38	26° 7	S 25
S 26	12 40 25	12° 0'58	0♋41	9°26	26°28	16°38	23° 7	8°10	0°58	22°37	10° 1	27° 3	25°53	3°44	26°11	S 26
M27	12 44 21	12°59'40	13° 7	8°42	27°20	17°25	23° 9	8° 6	1° 0	22°39	10° 1	27°D 2	25°49	3°51	26°14	M27
T 28	12 48 18	13°58'19	25°53	7°59	28°13	18°11	23°10	8° 3	1° 3	22°40	10° 1	27° 3	25°46	3°58	26°18	T 28
W29	12 52 14	14°56'56	9♌ 2	7°18	29° 7	18°58	23°11	7°59	1° 5	22°42	10° 1	27° 4	25°43	4° 4	26°21	W29
T 30	12 56 11	15°55'31	22°38	6°39	0♓ 1	19°44	23°12	7°55	1° 8	22°43	10° 2	27°R 5	25°40	4°11	26°25	T 30
F 31	13 0 8	16♈54'04	6♍42	6♈ 4	0♓56	20♓31	23♐12	7♏51	1♊11	22♒45	10♋ 2	27♒ 4	25♒37	4♉18	26♓28	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s 1	22n24	2n25	3n 1	1n18	12s55	5n16	13s35	1s 8	22s47	0n30	12s16	2n33	20n10	0s 5	14s49	0s33	23n46	0n36	12s12	12s30	16n10	1n 6	3n31
T 2	4 37	17 43	1 14	3 48	1 31	12 57	5 6	13 19	1 8	22 47	0 30	12 15	2 33	20 11	0 5	14 49	0 33	23 46	0 36	12 11	12 31	16 13	1 7	3 31
F 3	4 14	11 56	0s 3	4 32	1 44	13 0	4 56	13 3	1 8	22 48	0 30	12 14	2 34	20 11	0 5	14 48	0 34	23 46	0 37	12 11	12 32	16 16	1 9	3 31
S 4	3 50	5 23	1 22	5 14	1 56	13 1	4 46	12 46	1 8	22 48	0 30	12 13	2 34	20 11	0 5	14 47	0 34	23 46	0 37	12 11	12 33	16 19	1 10	3 31
S 5	3 27	1s35	2 37	5 53	2 8	13 3	4 36	12 29	1 8	22 48	0 30	12 12	2 34	20 12	0 5	14 47	0 34	23 47	0 37	12 12	12 34	16 21	1 11	3 30
M 6	3 3	8 31	3 42	6 28	2 19	13 3	4 26	12 13	1 8	22 49	0 30	12 12	2 34	20 12	0 5	14 46	0 34	23 47	0 37	12 13	12 35	16 24	1 13	3 30
T 7	2 40	15 0	4 32	7 1	2 30	13 3	4 17	11 56	1 8	22 49	0 30	12 11	2 34	20 12	0 5	14 45	0 34	23 47	0 37	12 14	12 36	16 27	1 14	3 30
W 8	2 16	20 32	5 3	7 30	2 40	13 3	4 7	11 39	1 8	22 49	0 30	12 10	2 34	20 13	0 5	14 45	0 34	23 47	0 37	12 15	12 38	16 30	1 15	3 30
T 9	1 53	24 45	5 13	7 55	2 49	13 2	3 58	11 22	1 8	22 50	0 30	12 9	2 35	20 13	0 5	14 44	0 34	23 47	0 37	12 16	12 39	16 32	1 17	3 30
F 10	1 29	27 19	5 4	8 17	2 58	13 0	3 48	11 5	1 8	22 50	0 30	12 8	2 35	20 14	0 5	14 43	0 34	23 47	0 37	12 17	12 40	16 35	1 18	3 30
S 11	1 5	28 6	4 37	8 35	3 5	12 58	3 39	10 47	1 8	22 50	0 30	12 7	2 35	20 14	0 5	14 43	0 34	23 47	0 37	12 17	12 41	16 38	1 20	3 30
S 12	0 42	27 8	3 55	8 49	3 11	12 55	3 30	10 30	1 8	22 50	0 30	12 6	2 35	20 15	0 5	14 42	0 34	23 47	0 37	12 17	12 42	16 40	1 21	3 30
M13	0 18	24 39	3 2	8 59	3 16	12 52	3 20	10 13	1 8	22 51	0 30	12 5	2 35	20 15	0 5	14 42	0 34	23 47	0 37	12 17	12 43	16 43	1 22	3 30
T 14	0n 6	20 57	2 0	9 4	3 19	12 48	3 11	9 55	1 8	22 51	0 30	12 4	2 35	20 15	0 5	14 41	0 34	23 47	0 37	12 16	12 44	16 46	1 24	3 30
W15	0 29	16 20	0 53	9 6	3 21	12 44	3 2	9 38	1 8	22 51	0 30	12 2	2 36	20 16	0 5	14 40	0 34	23 47	0 37	12 16	12 45	16 48	1 25	3 30
T 16	0 53	11 6	0n14	9 4	3 22	12 39	2 53	9 20	1 8	22 51	0 30	12 1	2 36	20 16	0 5	14 40	0 34	23 47	0 37	12 16	12 46	16 51	1 27	3 30
F 17	1 16	5 32	1 21	8 58	3 21	12 33	2 45	9 2	1 8	22 51	0 30	12 0	2 36	20 17	0 5	14 39	0 34	23 47	0 37	12 16	12 47	16 54	1 28	3 30
S 18	1 40	0n10	2 22	8 47	3 18	12 27	2 36	8 44	1 8	22 52	0 30	11 59	2 36	20 17	0 5	14 39	0 34	23 47	0 37	12 17	12 48	16 57	1 29	3 30
S 19	2 3	5 48	3 17	8 34	3 14	12 20	2 28	8 26	1 8	22 52	0 30	11 58	2 36	20 18	0 5	14 38	0 34	23 47	0 37	12 19	12 49	16 59	1 31	3 30
M20	2 27	11 11	4 2	8 16	3 8	12 13	2 19	8 8	1 8	22 52	0 29	11 57	2 36	20 18	0 5	14 38	0 34	23 47	0 37	12 21	12 51	17 2	1 32	3 30
T 21	2 50	16 7	4 36	7 56	3 1	12 6	2 11	7 50	1 7	22 52	0 29	11 55	2 36	20 19	0 5	14 37	0 34	23 47	0 37	12 23	12 52	17 5	1 34	3 30
W22	3 14	20 27	4 59	7 32	2 52	11 57	2 3	7 32	1 7	22 52	0 29	11 54	2 36	20 19	0 5	14 36	0 34	23 47	0 37	12 26	12 53	17 7	1 35	3 30
T 23	3 37	23 58	5 8	7 6	2 42	11 49	1 55	7 14	1 7	22 52	0 29	11 53	2 37	20 20	0 5	14 36	0 34	23 47	0 38	12 29	12 54	17 10	1 37	3 30
F 24	4 0	26 29	5 5	6 38	2 30	11 39	1 47	6 56	1 7	22 52	0 29	11 52	2 37	20 20	0 5	14 35	0 34	23 48	0 38	12 31	12 55	17 12	1 38	3 30
S 25	4 23	27 49	4 48	6 9	2 17	11 30	1 39	6 38	1 7	22 53	0 29	11 50	2 37	20 21	0 5	14 35	0 34	23 48	0 38	12 32	12 56	17 15	1 39	3 30
S 26	4 46	27 50	4 17	5 38	2 3	11 19	1 31	6 19	1 7	22 53	0 29	11 49	2 37	20 22	0 5	14 34	0 34	23 48	0 38	12 33	12 57	17 18	1 41	3 30
M27	5 9	26 27	3 35	5 7	1 48	11 8	1 24	6 1	1 7	22 53	0 29	11 48	2 37	20 22	0 5	14 34	0 34	23 48	0 38	12 33	12 58	17 20	1 42	3 30
T 28	5 32	23 41	2 40	4 36	1 32	10 57	1 16	5 43	1 7	22 53	0 29	11 46	2 37	20 23	0 5	14 33	0 34	23 48	0 38	12 33	12 59	17 23	1 44	3 30
W29	5 55	19 37	1 36	4 4	1 16	10 45	1 9	5 24	1 6	22 53	0 29	11 45	2 37	20 23	0 5	14 33	0 34	23 48	0 38	12 33	13 0	17 26	1 45	3 30
T 30	6 18	14 25	0 24	3 34	1 0	10 33	1 2	5 6	1 6	22 53	0 29	11 44	2 37	20 24	0 5	14 32	0 34	23 48	0 38	12 32	13 1	17 28	1 46	3 30
F 31	6n40	8n18	0s52	3n 5	0n43	10s20	0n55	4s47	1s 6	22s53	0n29	11s42	2n37	20n24	0s 5	14s32	0s34	23n48	0n38	12s33	13s 2	17n31	1n48	3n30

Julian Day Number = 2155399.5, Delta T = 13m45s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'04, Lahiri = 12°33'05 Julian Calendar 1 March 1189 == Greg. Calendar 8 March 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

APRIL 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 4	17♈52'34	21♍14	5°R33	1♓51	21♓17	23♐13	7°R47	1♊14	22♒46	10♋ 2	27°R 2	25♒34	4♉25	26♓32	S 1
S 2	13 8 1	18°51'03	6♎ 9	5♈ 6	2°47	22° 3	23°13	7♏43	1°16	22°48	10° 3	26♒58	25°30	4°31	26°35	S 2
M 3	13 11 57	19°49'29	21°20	4°44	3°43	22°50	23°R13	7°38	1°19	22°49	10° 3	26°51	25°27	4°38	26°38	M 3
T 4	13 15 54	20°47'54	6♏37	4°26	4°40	23°36	23°13	7°34	1°22	22°51	10° 4	26°44	25°24	4°45	26°42	T 4
W 5	13 19 50	21°46'16	21°49	4°13	5°37	24°22	23°13	7°30	1°25	22°52	10° 4	26°35	25°21	4°51	26°45	W 5
T 6	13 23 47	22°44'38	6♐46	4° 5	6°35	25° 8	23°12	7°26	1°28	22°54	10° 5	26°28	25°18	4°58	26°48	T 6
F 7	13 27 43	23°42'57	21°19	4°D 2	7°33	25°55	23°12	7°22	1°31	22°55	10° 5	26°22	25°15	5° 5	26°52	F 7
S 8	13 31 40	24°41'15	5♑26	4° 5	8°31	26°41	23°11	7°17	1°34	22°56	10° 6	26°18	25°11	5°12	26°55	S 8
S 9	13 35 37	25°39'32	19° 6	4°12	9°30	27°27	23°10	7°13	1°37	22°57	10° 6	26°16	25° 8	5°18	26°58	S 9
M10	13 39 33	26°37'47	2♒19	4°23	10°29	28°13	23° 8	7° 9	1°40	22°59	10° 7	26°D16	25° 5	5°25	27° 2	M10
T 11	13 43 30	27°36'00	15° 9	4°40	11°29	28°59	23° 7	7° 4	1°43	23° 0	10° 7	26°17	25° 2	5°32	27° 5	T 11
W12	13 47 26	28°34'12	27°40	5° 1	12°29	29°45	23° 5	7° 0	1°46	23° 1	10° 8	26°R17	24°59	5°38	27° 8	W12
T 13	13 51 23	29°32'22	9♓57	5°26	13°29	0♈31	23° 4	6°55	1°49	23° 2	10° 9	26°16	24°55	5°45	27°11	T 13
F 14	13 55 19	0♉30'30	22° 3	5°56	14°30	1°17	23° 2	6°51	1°52	23° 3	10° 9	26°13	24°52	5°52	27°14	F 14
S 15	13 59 16	1°28'37	4♈ 2	6°30	15°31	2° 3	22°59	6°46	1°55	23° 5	10°10	26° 8	24°49	5°59	27°18	S 15
S 16	14 3 12	2°26'43	15°56	7° 8	16°32	2°48	22°57	6°42	1°59	23° 6	10°11	25°59	24°46	6° 5	27°21	S 16
M17	14 7 9	3°24'47	27°48	7°49	17°33	3°34	22°55	6°37	2° 2	23° 7	10°11	25°48	24°43	6°12	27°24	M17
T 18	14 11 6	4°22'49	9♉40	8°34	18°35	4°20	22°52	6°33	2° 5	23° 8	10°12	25°36	24°40	6°19	27°27	T 18
W19	14 15 2	5°20'50	21°32	9°23	19°37	5° 6	22°49	6°28	2° 8	23° 9	10°13	25°23	24°36	6°25	27°30	W19
T 20	14 18 59	6°18'49	3♊26	10°15	20°39	5°51	22°46	6°24	2°11	23°10	10°14	25°11	24°33	6°32	27°33	T 20
F 21	14 22 55	7°16'46	15°25	11°10	21°42	6°37	22°43	6°19	2°15	23°11	10°15	25° 0	24°30	6°39	27°36	F 21
S 22	14 26 52	8°14'42	27°30	12° 9	22°45	7°23	22°39	6°15	2°18	23°12	10°15	24°51	24°27	6°46	27°39	S 22
S 23	14 30 48	9°12'36	9♋44	13°10	23°48	8° 8	22°36	6°10	2°21	23°12	10°16	24°45	24°24	6°52	27°42	S 23
M24	14 34 45	10°10'28	22°10	14°14	24°51	8°54	22°32	6° 6	2°25	23°13	10°17	24°42	24°20	6°59	27°45	M24
T 25	14 38 41	11° 8'18	4♌53	15°22	25°55	9°39	22°28	6° 2	2°28	23°14	10°18	24°40	24°17	7° 6	27°48	T 25
W26	14 42 38	12° 6'06	17°57	16°31	26°58	10°24	22°24	5°57	2°31	23°15	10°19	24°40	24°14	7°12	27°50	W26
T 27	14 46 35	13° 3'53	1♍25	17°44	28° 2	11°10	22°20	5°53	2°35	23°16	10°20	24°40	24°11	7°19	27°53	T 27
F 28	14 50 31	14° 1'38	15°20	18°59	29° 6	11°55	22°15	5°48	2°38	23°16	10°21	24°39	24° 8	7°26	27°56	F 28
S 29	14 54 28	14°59'21	29°43	20°17	0♈11	12°40	22°11	5°44	2°42	23°17	10°22	24°36	24° 5	7°33	27°59	S 29
S 30	14 58 24	15♉57'03	14♎31	21♈37	1♈15	13♈25	22♐ 6	5♏39	2♊45	23♒18	10♋23	24♒30	24♒ 1	7♉39	28♓ 1	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 3	1n34	2s 6	2n37	0n27	10s 7	0n48	4s29	1s 6	22s53	0n29	11s41	2n37	20n25	0s 5	14s31	0s34	23n48	0n38	12s33	13s 3	17n34	1n49	3n30
S 2	7 25	5s25	3 14	2 11	0 10	9 53	0 41	4 10	1 6	22 53	0 29	11 40	2 38	20 25	0 5	14 31	0 34	23 48	0 38	12 35	13 5	17 36	1 50	3 30
M 3	7 47	12 12	4 9	1 48	0s 6	9 39	0 35	3 52	1 6	22 53	0 29	11 38	2 38	20 26	0 5	14 31	0 34	23 48	0 38	12 37	13 6	17 39	1 52	3 30
T 4	8 9	18 18	4 47	1 26	0 22	9 24	0 28	3 33	1 5	22 53	0 29	11 37	2 38	20 27	0 5	14 30	0 34	23 48	0 38	12 40	13 7	17 41	1 53	3 30
W 5	8 31	23 12	5 4	1 7	0 37	9 9	0 22	3 15	1 5	22 53	0 29	11 35	2 38	20 27	0 5	14 30	0 34	23 48	0 38	12 42	13 8	17 44	1 55	3 30
T 6	8 53	26 28	5 1	0 50	0 52	8 54	0 15	2 56	1 5	22 53	0 29	11 34	2 38	20 28	0 5	14 29	0 34	23 48	0 38	12 45	13 9	17 47	1 56	3 30
F 7	9 15	27 52	4 37	0 36	1 6	8 38	0 9	2 37	1 5	22 53	0 29	11 33	2 38	20 28	0 5	14 29	0 34	23 48	0 38	12 47	13 10	17 49	1 57	3 30
S 8	9 36	27 23	3 57	0 25	1 19	8 22	0 3	2 19	1 5	22 53	0 29	11 31	2 38	20 29	0 5	14 28	0 34	23 48	0 38	12 48	13 11	17 52	1 59	3 30
S 9	9 58	25 14	3 5	0 16	1 32	8 5	0s 2	2 0	1 4	22 53	0 29	11 30	2 38	20 30	0 5	14 28	0 34	23 48	0 38	12 49	13 12	17 54	2 0	3 30
M10	10 19	21 45	2 5	0 10	1 44	7 48	0 8	1 42	1 4	22 53	0 29	11 28	2 38	20 30	0 5	14 28	0 34	23 48	0 38	12 49	13 13	17 57	2 1	3 30
T 11	10 40	17 19	0 59	0 6	1 55	7 30	0 14	1 23	1 4	22 53	0 29	11 27	2 38	20 31	0 5	14 27	0 34	23 48	0 38	12 49	13 14	17 59	2 3	3 30
W12	11 1	12 13	0n 7	0 5	2 5	7 12	0 19	1 4	1 4	22 53	0 29	11 25	2 38	20 32	0 5	14 27	0 34	23 48	0 38	12 49	13 15	18 2	2 4	3 30
T 13	11 22	6 46	1 12	0 7	2 15	6 54	0 24	0 46	1 3	22 53	0 29	11 24	2 38	20 32	0 5	14 26	0 34	23 48	0 39	12 49	13 16	18 5	2 5	3 30
F 14	11 42	1 8	2 13	0 10	2 23	6 35	0 30	0 27	1 3	22 53	0 29	11 22	2 38	20 33	0 5	14 26	0 35	23 48	0 39	12 50	13 17	18 7	2 7	3 30
S 15	12 2	4n28	3 7	0 17	2 31	6 16	0 35	0 9	1 3	22 53	0 29	11 21	2 38	20 34	0 5	14 26	0 35	23 48	0 39	12 52	13 18	18 10	2 8	3 30
S 16	12 23	9 51	3 52	0 25	2 38	5 57	0 40	0n10	1 3	22 53	0 29	11 19	2 38	20 34	0 5	14 25	0 35	23 48	0 39	12 55	13 20	18 12	2 9	3 30
M17	12 43	14 53	4 27	0 36	2 44	5 37	0 44	0 28	1 2	22 53	0 29	11 18	2 38	20 35	0 5	14 25	0 35	23 48	0 39	12 58	13 21	18 15	2 10	3 30
T 18	13 2	19 21	4 50	0 49	2 50	5 17	0 49	0 47	1 2	22 53	0 28	11 17	2 38	20 35	0 5	14 25	0 35	23 48	0 39	13 3	13 22	18 17	2 12	3 30
W19	13 22	23 3	5 0	1 4	2 55	4 57	0 54	1 5	1 2	22 53	0 28	11 15	2 38	20 36	0 5	14 25	0 35	23 48	0 39	13 7	13 23	18 20	2 13	3 30
T 20	13 41	25 49	4 58	1 20	2 58	4 36	0 58	1 24	1 1	22 53	0 28	11 14	2 38	20 37	0 5	14 24	0 35	23 48	0 39	13 11	13 24	18 22	2 14	3 30
F 21	14 0	27 25	4 43	1 39	3 2	4 15	1 2	1 42	1 1	22 52	0 28	11 12	2 38	20 37	0 5	14 24	0 35	23 48	0 39	13 15	13 25	18 25	2 15	3 30
S 22	14 19	27 46	4 14	2 0	3 4	3 54	1 6	2 1	1 1	22 52	0 28	11 11	2 38	20 38	0 5	14 24	0 35	23 48	0 39	13 18	13 26	18 27	2 17	3 31
S 23	14 38	26 45	3 34	2 22	3 6	3 33	1 10	2 19	1 0	22 52	0 28	11 9	2 38	20 39	0 5	14 23	0 35	23 48	0 39	13 20	13 27	18 30	2 18	3 31
M24	14 56	24 24	2 43	2 46	3 7	3 11	1 14	2 37	1 0	22 52	0 28	11 8	2 38	20 39	0 5	14 23	0 35	23 48	0 39	13 21	13 28	18 32	2 19	3 31
T 25	15 14	20 47	1 43	3 12	3 7	2 49	1 18	2 55	1 0	22 52	0 28	11 7	2 38	20 40	0 5	14 23	0 35	23 48	0 39	13 21	13 29	18 35	2 20	3 31
W26	15 32	16 5	0 36	3 39	3 7	2 27	1 22	3 14	0 59	22 52	0 28	11 5	2 38	20 41	0 5	14 23	0 35	23 48	0 39	13 21	13 30	18 37	2 21	3 31
T 27	15 50	10 28	0s36	4 8	3 6	2 5	1 25	3 32	0 59	22 52	0 28	11 4	2 38	20 41	0 5	14 23	0 35	23 48	0 39	13 21	13 31	18 40	2 23	3 31
F 28	16 7	4 10	1 47	4 38	3 4	1 42	1 28	3 50	0 59	22 51	0 28	11 2	2 38	20 42	0 5	14 22	0 35	23 48	0 39	13 22	13 32	18 42	2 24	3 31
S 29	16 24	2s32	2 54	5 9	3 2	1 20	1 32	4 8	0 58	22 51	0 28	11 1	2 37	20 43	0 5	14 22	0 35	23 48	0 39	13 23	13 33	18 45	2 25	3 31
S 30	16n41	9s17	3s51	5n42	2s59	0s57	1s35	4n26	0s58	22s51	0n28	11s 0	2n37	20n44	0s 5	14s22	0s35	23n48	0n39	13s25	13s34	18n47	2n26	3n31

Julian Day Number = 2155430.5, Delta T = 13m45s
Ecliptic obliquity = 23°32'48, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'08, Lahiri = 12°33'09 Julian Calendar 1 Apr. 1189 == Greg. Calendar 8 Apr. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

MAY 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 2 21	16♉54'43	29♎39	23♈ 0	2♈20	14♈10	22°R 1	5°R35	2♊48	23♒18	10♋24	24°R21	23♒58	7♉46	28♓ 4	M 1
T 2	15 6 17	17°52'21	14♏57	24°25	3°25	14°55	21♐56	5♏31	2°52	23°19	10°25	24♒11	23°55	7°53	28° 7	T 2
W 3	15 10 14	18°49'59	0♐15	25°53	4°30	15°40	21°51	5°26	2°55	23°19	10°26	24° 0	23°52	8° 0	28° 9	W 3
T 4	15 14 10	19°47'35	15°21	27°23	5°35	16°25	21°46	5°22	2°59	23°20	10°27	23°50	23°49	8° 6	28°12	T 4
F 5	15 18 7	20°45'10	0♑ 5	28°55	6°41	17°10	21°40	5°18	3° 2	23°20	10°28	23°42	23°46	8°13	28°14	F 5
S 6	15 22 4	21°42'44	14°22	0♉30	7°47	17°55	21°35	5°14	3° 6	23°21	10°29	23°36	23°42	8°20	28°17	S 6
S 7	15 26 0	22°40'17	28° 9	2° 7	8°52	18°40	21°29	5° 9	3° 9	23°21	10°30	23°33	23°39	8°26	28°19	S 7
M 8	15 29 57	23°37'49	11♒27	3°46	9°58	19°25	21°23	5° 5	3°13	23°22	10°32	23°31	23°36	8°33	28°22	M 8
T 9	15 33 53	24°35'21	24°19	5°28	11° 4	20° 9	21°17	5° 1	3°16	23°22	10°33	23°31	23°33	8°40	28°24	T 9
W10	15 37 50	25°32'51	6♓50	7°12	12°11	20°54	21°11	4°57	3°20	23°22	10°34	23°31	23°30	8°47	28°26	W10
T 11	15 41 46	26°30'21	19° 3	8°58	13°17	21°39	21° 5	4°53	3°23	23°23	10°35	23°30	23°26	8°53	28°28	T 11
F 12	15 45 43	27°27'49	1♈ 6	10°47	14°24	22°23	20°58	4°49	3°27	23°23	10°36	23°26	23°23	9° 0	28°31	F 12
S 13	15 49 39	28°25'17	13° 0	12°38	15°30	23° 8	20°52	4°45	3°30	23°23	10°38	23°20	23°20	9° 7	28°33	S 13
S 14	15 53 36	29°22'44	24°51	14°31	16°37	23°52	20°45	4°41	3°34	23°23	10°39	23°11	23°17	9°13	28°35	S 14
M15	15 57 33	0♊20'10	6♉42	16°26	17°44	24°37	20°39	4°37	3°37	23°24	10°40	23° 0	23°14	9°20	28°37	M15
T 16	16 1 29	1°17'36	18°34	18°24	18°51	25°21	20°32	4°34	3°41	23°24	10°41	22°47	23°11	9°27	28°39	T 16
W17	16 5 26	2°15'00	0♊30	20°23	19°58	26° 5	20°25	4°30	3°45	23°24	10°43	22°33	23° 7	9°34	28°41	W17
T 18	16 9 22	3°12'24	12°30	22°25	21° 6	26°49	20°18	4°26	3°48	23°24	10°44	22°20	23° 4	9°40	28°43	T 18
F 19	16 13 19	4° 9'47	24°37	24°28	22°13	27°34	20°11	4°23	3°52	23°24	10°45	22° 8	23° 1	9°47	28°45	F 19
S 20	16 17 15	5° 7'09	6♋51	26°34	23°21	28°18	20° 4	4°19	3°55	23°R24	10°47	21°59	22°58	9°54	28°47	S 20
S 21	16 21 12	6° 4'30	19°14	28°41	24°28	29° 2	19°57	4°16	3°59	23°24	10°48	21°52	22°55	10° 0	28°49	S 21
M22	16 25 8	7° 1'50	1♌48	0♊49	25°36	29°46	19°50	4°12	4° 2	23°24	10°49	21°48	22°52	10° 7	28°51	M22
T 23	16 29 5	7°59'09	14°36	2°59	26°44	0♉30	19°42	4° 9	4° 6	23°24	10°51	21°47	22°48	10°14	28°52	T 23
W24	16 33 2	8°56'27	27°41	5° 9	27°52	1°14	19°35	4° 6	4° 9	23°24	10°52	21°D47	22°45	10°21	28°54	W24
T 25	16 36 58	9°53'44	11♍ 6	7°20	29° 0	1°57	19°27	4° 2	4°13	23°23	10°53	21°R47	22°42	10°27	28°56	T 25
F 26	16 40 55	10°51'00	24°53	9°32	0♉ 8	2°41	19°20	3°59	4°16	23°23	10°55	21°46	22°39	10°34	28°57	F 26
S 27	16 44 51	11°48'15	9♎ 4	11°44	1°16	3°25	19°12	3°56	4°20	23°23	10°56	21°44	22°36	10°41	28°59	S 27
S 28	16 48 48	12°45'29	23°38	13°56	2°25	4° 8	19° 5	3°53	4°23	23°23	10°58	21°39	22°32	10°48	29° 0	S 28
M29	16 52 44	13°42'42	8♏30	16° 7	3°33	4°52	18°57	3°50	4°27	23°23	10°59	21°32	22°29	10°54	29° 2	M29
T 30	16 56 41	14°39'55	23°35	18°18	4°42	5°35	18°50	3°47	4°30	23°22	11° 1	21°23	22°26	11° 1	29° 3	T 30
W31	17 0 38	15♊37'07	8♐41	20♊28	5♉50	6♉19	18♐42	3♏45	4♊34	23♒22	11♋ 2	21♒13	22♒23	11♉ 8	29♓ 5	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n58	15s39	4s33	6n16	2s56	0s34	1s38	4n44	0s58	22s51	0n28	10s58	2n37	20n44	0s 5	14s22	0s35	23n48	0n39	13s28	13s35	18n50	2n27	3n31
T 2	17 14	21 7	4 56	6 51	2 52	0 10	1 41	5 2	0 57	22 50	0 28	10 57	2 37	20 45	0 5	14 22	0 35	23 47	0 39	13 31	13 36	18 52	2 28	3 31
W 3	17 30	25 9	4 59	7 27	2 47	0n13	1 43	5 19	0 57	22 50	0 28	10 55	2 37	20 46	0 5	14 21	0 35	23 47	0 40	13 35	13 38	18 55	2 30	3 31
T 4	17 46	27 22	4 40	8 4	2 42	0 37	1 46	5 37	0 56	22 50	0 27	10 54	2 37	20 46	0 5	14 21	0 35	23 47	0 40	13 38	13 39	18 57	2 31	3 31
F 5	18 1	27 35	4 2	8 42	2 36	1 0	1 48	5 55	0 56	22 50	0 27	10 53	2 37	20 47	0 5	14 21	0 35	23 47	0 40	13 41	13 40	19 0	2 32	3 32
S 6	18 16	25 56	3 11	9 22	2 30	1 24	1 51	6 12	0 55	22 49	0 27	10 52	2 37	20 48	0 5	14 21	0 35	23 47	0 40	13 43	13 41	19 2	2 33	3 32
S 7	18 31	22 44	2 10	10 2	2 23	1 48	1 53	6 30	0 55	22 49	0 27	10 50	2 37	20 48	0 5	14 21	0 35	23 47	0 40	13 44	13 42	19 4	2 34	3 32
M 8	18 46	18 26	1 3	10 42	2 15	2 12	1 55	6 47	0 55	22 49	0 27	10 49	2 37	20 49	0 5	14 21	0 35	23 47	0 40	13 44	13 43	19 7	2 35	3 32
T 9	19 0	13 24	0n 4	11 24	2 8	2 36	1 57	7 5	0 54	22 49	0 27	10 48	2 36	20 50	0 5	14 21	0 35	23 47	0 40	13 44	13 44	19 9	2 36	3 32
W10	19 14	7 58	1 10	12 6	1 59	3 1	1 59	7 22	0 54	22 48	0 27	10 46	2 36	20 50	0 5	14 21	0 35	23 47	0 40	13 44	13 45	19 12	2 37	3 32
T 11	19 28	2 21	2 11	12 48	1 51	3 25	2 1	7 39	0 53	22 48	0 27	10 45	2 36	20 51	0 5	14 21	0 35	23 47	0 40	13 45	13 46	19 14	2 38	3 32
F 12	19 41	3n15	3 4	13 31	1 42	3 49	2 2	7 56	0 53	22 48	0 27	10 44	2 36	20 52	0 5	14 20	0 35	23 47	0 40	13 46	13 47	19 17	2 39	3 32
S 13	19 54	8 41	3 50	14 14	1 32	4 14	2 4	8 13	0 52	22 47	0 27	10 43	2 36	20 52	0 5	14 20	0 35	23 47	0 40	13 48	13 48	19 19	2 40	3 32
S 14	20 6	13 46	4 24	14 57	1 22	4 38	2 5	8 30	0 52	22 47	0 27	10 42	2 36	20 53	0 5	14 20	0 35	23 47	0 40	13 51	13 49	19 21	2 41	3 32
M15	20 19	18 20	4 48	15 40	1 12	5 2	2 7	8 47	0 51	22 47	0 26	10 41	2 36	20 54	0 5	14 20	0 35	23 47	0 40	13 55	13 50	19 24	2 42	3 33
T 16	20 31	22 13	4 59	16 23	1 2	5 27	2 8	9 3	0 51	22 46	0 26	10 39	2 35	20 54	0 5	14 20	0 35	23 47	0 40	13 59	13 51	19 26	2 43	3 33
W17	20 42	25 11	4 57	17 6	0 51	5 51	2 9	9 20	0 50	22 46	0 26	10 38	2 35	20 55	0 5	14 20	0 36	23 47	0 40	14 4	13 52	19 29	2 44	3 33
T 18	20 54	27 3	4 42	17 48	0 41	6 16	2 10	9 37	0 50	22 45	0 26	10 37	2 35	20 56	0 5	14 20	0 36	23 47	0 40	14 8	13 53	19 31	2 44	3 33
F 19	21 4	27 40	4 14	18 29	0 30	6 40	2 11	9 53	0 49	22 45	0 26	10 36	2 35	20 56	0 5	14 20	0 36	23 47	0 40	14 12	13 54	19 33	2 45	3 33
S 20	21 15	26 56	3 34	19 10	0 19	7 4	2 11	10 9	0 49	22 45	0 26	10 35	2 35	20 57	0 5	14 20	0 36	23 47	0 40	14 15	13 55	19 36	2 46	3 33
S 21	21 25	24 51	2 43	19 49	0 8	7 29	2 12	10 25	0 48	22 44	0 26	10 34	2 35	20 58	0 5	14 20	0 36	23 47	0 40	14 17	13 56	19 38	2 47	3 33
M22	21 35	21 32	1 44	20 27	0n 3	7 53	2 13	10 41	0 48	22 44	0 26	10 33	2 34	20 58	0 5	14 20	0 36	23 47	0 41	14 18	13 57	19 40	2 48	3 33
T 23	21 44	17 8	0 38	21 4	0 13	8 17	2 13	10 57	0 47	22 43	0 26	10 32	2 34	20 59	0 5	14 21	0 36	23 47	0 41	14 19	13 58	19 43	2 49	3 34
W24	21 53	11 51	0s31	21 39	0 24	8 41	2 13	11 13	0 47	22 43	0 25	10 31	2 34	21 0	0 5	14 21	0 36	23 46	0 41	14 19	14 0	19 45	2 49	3 34
T 25	22 2	5 53	1 41	22 11	0 34	9 5	2 13	11 29	0 46	22 42	0 25	10 30	2 34	21 0	0 5	14 21	0 36	23 46	0 41	14 19	14 1	19 47	2 50	3 34
F 26	22 10	0s30	2 46	22 42	0 44	9 29	2 14	11 44	0 46	22 42	0 25	10 30	2 34	21 1	0 5	14 21	0 36	23 46	0 41	14 19	14 2	19 50	2 51	3 34
S 27	22 18	7 2	3 43	23 10	0 53	9 53	2 14	12 0	0 45	22 41	0 25	10 29	2 34	21 2	0 5	14 21	0 36	23 46	0 41	14 20	14 3	19 52	2 52	3 34
S 28	22 26	13 21	4 27	23 36	1 2	10 16	2 14	12 15	0 45	22 41	0 25	10 28	2 33	21 2	0 5	14 21	0 36	23 46	0 41	14 21	14 4	19 54	2 52	3 34
M29	22 33	19 3	4 55	23 59	1 10	10 40	2 13	12 30	0 44	22 40	0 25	10 27	2 33	21 3	0 4	14 21	0 36	23 46	0 41	14 23	14 5	19 57	2 53	3 34
T 30	22 40	23 37	5 2	24 19	1 18	11 3	2 13	12 46	0 44	22 40	0 25	10 26	2 33	21 4	0 4	14 21	0 36	23 46	0 41	14 26	14 6	19 59	2 54	3 34
W31	22n46	26s36	4s49	24n37	1n25	11n26	2s13	13n 0	0s43	22s39	0n25	10s26	2n33	21n 4	0s 4	14s21	0s36	23n46	0n41	14s29	14s 7	20n 1	2n55	3n35

Julian Day Number = 2155460.5, Delta T = 13m44s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'12, Lahiri = 12°33'13 Julian Calendar 1 May 1189 == Greg. Calendar 8 May 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

JUNE 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 34	16♊34'19	23♐40	22♊36	6♉59	7♉ 2	18°R34	3°R42	4♊37	23°R21	11♋ 4	21°R 4	22♒20	11♉14	29♓ 6	T 1
F 2	17 8 31	17°31'31	8♑22	24°44	8° 8	7°45	18♐27	3♏39	4°41	23♒21	11° 5	20♒57	22°17	11°21	29° 7	F 2
S 3	17 12 27	18°28'42	22°41	26°50	9°17	8°29	18°19	3°37	4°44	23°21	11° 6	20°51	22°13	11°28	29° 8	S 3
S 4	17 16 24	19°25'53	6♒31	28°54	10°26	9°12	18°12	3°34	4°48	23°20	11° 8	20°48	22°10	11°35	29°10	S 4
M 5	17 20 20	20°23'03	19°54	0♋57	11°35	9°55	18° 4	3°32	4°51	23°20	11° 9	20°D48	22° 7	11°41	29°11	M 5
T 6	17 24 17	21°20'14	2♓50	2°58	12°44	10°38	17°56	3°30	4°55	23°19	11°11	20°48	22° 4	11°48	29°12	T 6
W 7	17 28 13	22°17'25	15°24	4°57	13°53	11°21	17°49	3°27	4°58	23°19	11°13	20°49	22° 1	11°55	29°13	W 7
T 8	17 32 10	23°14'35	27°40	6°54	15° 3	12° 4	17°41	3°25	5° 2	23°18	11°14	20°R49	21°58	12° 1	29°14	T 8
F 9	17 36 7	24°11'46	9♈43	8°49	16°12	12°47	17°33	3°23	5° 5	23°17	11°16	20°47	21°54	12° 8	29°15	F 9
S 10	17 40 3	25° 8'57	21°38	10°42	17°22	13°29	17°26	3°21	5° 8	23°17	11°17	20°44	21°51	12°15	29°15	S 10
S 11	17 44 0	26° 6'07	3♉29	12°33	18°31	14°12	17°18	3°19	5°12	23°16	11°19	20°38	21°48	12°22	29°16	S 11
M12	17 47 56	27° 3'19	15°21	14°21	19°41	14°55	17°11	3°18	5°15	23°15	11°20	20°31	21°45	12°28	29°17	M12
T 13	17 51 53	28° 0'30	27°16	16° 8	20°51	15°37	17° 3	3°16	5°18	23°15	11°22	20°22	21°42	12°35	29°18	T 13
W14	17 55 49	28°57'41	9♊17	17°53	22° 0	16°20	16°56	3°14	5°22	23°14	11°23	20°12	21°38	12°42	29°18	W14
T 15	17 59 46	29°54'52	21°26	19°35	23°10	17° 2	16°49	3°13	5°25	23°13	11°25	20° 3	21°35	12°49	29°19	T 15
F 16	18 3 42	0♋52'04	3♋44	21°15	24°20	17°45	16°41	3°11	5°28	23°12	11°26	19°55	21°32	12°55	29°20	F 16
S 17	18 7 39	1°49'16	16°12	22°54	25°30	18°27	16°34	3°10	5°32	23°11	11°28	19°49	21°29	13° 2	29°20	S 17
S 18	18 11 36	2°46'27	28°50	24°30	26°40	19° 9	16°27	3° 9	5°35	23°10	11°30	19°44	21°26	13° 9	29°20	S 18
M19	18 15 32	3°43'39	11♌40	26° 4	27°50	19°52	16°20	3° 8	5°38	23°10	11°31	19°42	21°23	13°15	29°21	M19
T 20	18 19 29	4°40'50	24°42	27°36	29° 1	20°34	16°13	3° 7	5°41	23° 9	11°33	19°D42	21°19	13°22	29°21	T 20
W21	18 23 25	5°38'01	7♍58	29° 5	0♊11	21°16	16° 6	3° 6	5°45	23° 8	11°34	19°43	21°16	13°29	29°21	W21
T 22	18 27 22	6°35'13	21°29	0♌33	1°21	21°58	15°59	3° 5	5°48	23° 7	11°36	19°44	21°13	13°36	29°22	T 22
F 23	18 31 18	7°32'24	5♎17	1°58	2°32	22°39	15°53	3° 4	5°51	23° 6	11°38	19°R45	21°10	13°42	29°22	F 23
S 24	18 35 15	8°29'35	19°21	3°21	3°42	23°21	15°46	3° 4	5°54	23° 5	11°39	19°45	21° 7	13°49	29°22	S 24
S 25	18 39 11	9°26'47	3♏41	4°42	4°53	24° 3	15°40	3° 3	5°57	23° 4	11°41	19°43	21° 4	13°56	29°22	S 25
M26	18 43 8	10°23'58	18°14	6° 1	6° 3	24°45	15°33	3° 3	6° 0	23° 3	11°42	19°39	21° 0	14° 2	29°R22	M26
T 27	18 47 5	11°21'10	2♐55	7°17	7°14	25°26	15°27	3° 2	6° 3	23° 1	11°44	19°34	20°57	14° 9	29°22	T 27
W28	18 51 1	12°18'22	17°39	8°31	8°25	26° 8	15°21	3° 2	6° 6	23° 0	11°46	19°28	20°54	14°16	29°22	W28
T 29	18 54 58	13°15'34	2♑17	9°42	9°36	26°49	15°15	3° 2	6° 9	22°59	11°47	19°23	20°51	14°23	29°22	T 29
F 30	18 58 54	14♋12'47	16♑43	10♌51	10♊46	27♉31	15♐ 9	3°D 2	6♊12	22♒58	11♋49	19♒19	20♒48	14♉29	29♓22	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n52	27s39	4s15	24n52	1n31	11n49	2s12	13n15	0s42	22s39	0n24	10s25	2n32	21n 5	0s 4	14s22	0s36	23n46	0n41	14s32	14s 8	20n 4	2n55	3n35
F 2	22 57	26 42	3 26	25 3	1 37	12 12	2 12	13 30	0 42	22 38	0 24	10 24	2 32	21 6	0 4	14 22	0 36	23 46	0 41	14 35	14 9	20 6	2 56	3 35
S 3	23 3	24 0	2 24	25 13	1 42	12 35	2 11	13 44	0 41	22 38	0 24	10 24	2 32	21 6	0 4	14 22	0 36	23 46	0 41	14 36	14 10	20 8	2 56	3 35
S 4	23 7	19 57	1 15	25 19	1 46	12 57	2 10	13 59	0 41	22 37	0 24	10 23	2 32	21 7	0 4	14 22	0 36	23 46	0 41	14 37	14 11	20 11	2 57	3 35
M 5	23 12	14 59	0 5	25 22	1 50	13 19	2 9	14 13	0 40	22 37	0 24	10 22	2 32	21 8	0 4	14 22	0 36	23 46	0 41	14 38	14 12	20 13	2 58	3 35
T 6	23 16	9 31	1n 4	25 23	1 53	13 41	2 9	14 27	0 39	22 36	0 24	10 22	2 31	21 8	0 4	14 22	0 36	23 46	0 41	14 37	14 13	20 15	2 58	3 35
W 7	23 19	3 49	2 8	25 22	1 55	14 3	2 8	14 41	0 39	22 36	0 24	10 21	2 31	21 9	0 4	14 23	0 36	23 46	0 41	14 37	14 14	20 17	2 59	3 35
T 8	23 22	1n53	3 4	25 18	1 56	14 24	2 6	14 55	0 38	22 35	0 23	10 21	2 31	21 10	0 4	14 23	0 36	23 45	0 41	14 37	14 15	20 20	2 59	3 36
F 9	23 25	7 24	3 51	25 12	1 57	14 46	2 5	15 9	0 38	22 34	0 23	10 20	2 31	21 10	0 4	14 23	0 36	23 45	0 42	14 38	14 16	20 22	3 0	3 36
S 10	23 27	12 36	4 27	25 3	1 57	15 6	2 4	15 22	0 37	22 34	0 23	10 20	2 30	21 11	0 4	14 23	0 36	23 45	0 42	14 39	14 17	20 24	3 0	3 36
S 11	23 29	17 18	4 52	24 53	1 56	15 27	2 3	15 36	0 36	22 33	0 23	10 19	2 30	21 11	0 4	14 24	0 36	23 45	0 42	14 41	14 18	20 26	3 1	3 36
M12	23 31	21 21	5 4	24 40	1 55	15 47	2 1	15 49	0 36	22 33	0 23	10 19	2 30	21 12	0 4	14 24	0 36	23 45	0 42	14 43	14 19	20 29	3 1	3 36
T 13	23 32	24 33	5 3	24 26	1 53	16 7	2 0	16 2	0 35	22 32	0 23	10 19	2 30	21 13	0 4	14 24	0 36	23 45	0 42	14 46	14 20	20 31	3 1	3 36
W14	23 33	26 42	4 49	24 10	1 50	16 27	1 58	16 15	0 34	22 32	0 23	10 18	2 29	21 13	0 4	14 24	0 36	23 45	0 42	14 49	14 21	20 33	3 2	3 36
T 15	23 33	27 37	4 21	23 52	1 47	16 46	1 57	16 28	0 34	22 31	0 22	10 18	2 29	21 14	0 4	14 25	0 36	23 45	0 42	14 52	14 22	20 35	3 2	3 37
F 16	23 33	27 11	3 41	23 33	1 43	17 5	1 55	16 40	0 33	22 31	0 22	10 18	2 29	21 14	0 4	14 25	0 36	23 45	0 42	14 54	14 23	20 38	3 3	3 37
S 17	23 32	25 23	2 50	23 13	1 38	17 23	1 53	16 53	0 32	22 30	0 22	10 18	2 29	21 15	0 4	14 25	0 36	23 45	0 42	14 56	14 24	20 40	3 3	3 37
S 18	23 31	22 17	1 50	22 51	1 33	17 41	1 52	17 5	0 32	22 29	0 22	10 18	2 28	21 16	0 4	14 26	0 36	23 45	0 42	14 58	14 25	20 42	3 3	3 37
M19	23 30	18 4	0 43	22 28	1 28	17 59	1 50	17 17	0 31	22 29	0 22	10 17	2 28	21 16	0 4	14 26	0 37	23 45	0 42	14 58	14 26	20 44	3 3	3 37
T 20	23 28	12 55	0s27	22 4	1 22	18 16	1 48	17 29	0 30	22 28	0 22	10 17	2 28	21 17	0 4	14 26	0 37	23 45	0 42	14 58	14 27	20 46	3 4	3 37
W21	23 26	7 7	1 37	21 39	1 15	18 33	1 46	17 41	0 30	22 28	0 21	10 17	2 28	21 17	0 4	14 27	0 37	23 44	0 42	14 58	14 28	20 49	3 4	3 37
T 22	23 23	0 53	2 43	21 14	1 8	18 50	1 44	17 52	0 29	22 27	0 21	10 17	2 27	21 18	0 4	14 27	0 37	23 44	0 42	14 58	14 29	20 51	3 4	3 38
F 23	23 20	5s29	3 41	20 48	1 1	19 6	1 42	18 4	0 28	22 27	0 21	10 17	2 27	21 18	0 4	14 27	0 37	23 44	0 42	14 57	14 30	20 53	3 4	3 38
S 24	23 16	11 43	4 28	20 21	0 52	19 22	1 39	18 15	0 28	22 26	0 21	10 17	2 27	21 19	0 4	14 28	0 37	23 44	0 42	14 58	14 31	20 55	3 5	3 38
S 25	23 12	17 28	4 58	19 53	0 44	19 37	1 37	18 26	0 27	22 26	0 21	10 17	2 27	21 20	0 4	14 28	0 37	23 44	0 42	14 58	14 33	20 57	3 5	3 38
M26	23 8	22 17	5 10	19 25	0 35	19 51	1 35	18 37	0 26	22 25	0 21	10 17	2 26	21 20	0 4	14 28	0 37	23 44	0 43	14 59	14 34	20 59	3 5	3 38
T 27	23 4	25 46	5 2	18 57	0 26	20 5	1 33	18 48	0 26	22 25	0 20	10 17	2 26	21 21	0 4	14 29	0 37	23 44	0 43	15 1	14 35	21 2	3 5	3 38
W28	22 58	27 30	4 33	18 29	0 16	20 19	1 30	18 58	0 25	22 24	0 20	10 18	2 26	21 21	0 4	14 29	0 37	23 44	0 43	15 3	14 36	21 4	3 5	3 38
T 29	22 53	27 19	3 48	18 0	0 6	20 32	1 28	19 9	0 24	22 24	0 20	10 18	2 26	21 22	0 4	14 30	0 37	23 44	0 43	15 4	14 37	21 6	3 5	3 39
F 30	22n47	25s16	2s48	17n31	0s 4	20n45	1s25	19n19	0s23	22s23	0n20	10s18	2n25	21n22	0s 4	14s30	0s37	23n44	0n43	15s 6	14s38	21n 8	3n 5	3n39

Julian Day Number = 2155491.5, Delta T = 13m44s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'17, Lahiri = 12°33'17 Julian Calendar 1 June 1189 == Greg. Calendar 8 June 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

JULY 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 51	15♋10'00	0♒50	11♌57	11♊57	28♉12	15°R 3	3♏ 2	6♊15	22°R57	11♋50	19°R16	20♒44	14♉36	29°R21	S 1
S 2	19 6 47	16° 7'14	14°35	13° 0	13° 8	28°53	14♐58	3° 2	6°18	22♒56	11°52	19°D15	20°41	14°43	29♓21	S 2
M 3	19 10 44	17° 4'28	27°56	14° 1	14°19	29°34	14°52	3° 2	6°21	22°54	11°54	19♒15	20°38	14°50	29°21	M 3
T 4	19 14 41	18° 1'43	10♓53	14°58	15°31	0♊15	14°47	3° 2	6°24	22°53	11°55	19°16	20°35	14°56	29°20	T 4
W 5	19 18 37	18°58'59	23°29	15°53	16°42	0°56	14°42	3° 3	6°27	22°52	11°57	19°18	20°32	15° 3	29°20	W 5
T 6	19 22 34	19°56'16	5♈48	16°45	17°53	1°37	14°36	3° 3	6°29	22°51	11°58	19°19	20°29	15°10	29°19	T 6
F 7	19 26 30	20°53'34	17°53	17°33	19° 4	2°18	14°32	3° 4	6°32	22°49	12° 0	19°R20	20°25	15°16	29°19	F 7
S 8	19 30 27	21°50'53	29°50	18°18	20°16	2°59	14°27	3° 5	6°35	22°48	12° 2	19°20	20°22	15°23	29°18	S 8
S 9	19 34 23	22°48'13	11♉43	18°59	21°27	3°40	14°22	3° 5	6°38	22°47	12° 3	19°19	20°19	15°30	29°17	S 9
M10	19 38 20	23°45'34	23°37	19°36	22°39	4°20	14°18	3° 6	6°40	22°45	12° 5	19°16	20°16	15°37	29°17	M10
T 11	19 42 16	24°42'56	5♊35	20°10	23°50	5° 1	14°13	3° 7	6°43	22°44	12° 6	19°13	20°13	15°43	29°16	T 11
W12	19 46 13	25°40'19	17°41	20°39	25° 2	5°41	14° 9	3° 8	6°46	22°42	12° 8	19° 9	20°10	15°50	29°15	W12
T 13	19 50 10	26°37'43	29°58	21° 4	26°13	6°22	14° 5	3°10	6°48	22°41	12° 9	19° 5	20° 6	15°57	29°14	T 13
F 14	19 54 6	27°35'09	12♋28	21°25	27°25	7° 2	14° 2	3°11	6°51	22°39	12°11	19° 2	20° 3	16° 4	29°13	F 14
S 15	19 58 3	28°32'35	25°11	21°41	28°37	7°42	13°58	3°12	6°53	22°38	12°13	19° 0	20° 0	16°10	29°12	S 15
S 16	20 1 59	29°30'02	8♌ 9	21°52	29°49	8°22	13°54	3°14	6°56	22°37	12°14	18°58	19°57	16°17	29°11	S 16
M17	20 5 56	0♌27'31	21°20	21°58	1♋ 1	9° 2	13°51	3°15	6°58	22°35	12°16	18°D58	19°54	16°24	29°10	M17
T 18	20 9 52	1°25'00	4♍45	21°R59	2°13	9°42	13°48	3°17	7° 1	22°34	12°17	18°59	19°50	16°30	29° 9	T 18
W19	20 13 49	2°22'30	18°22	21°54	3°25	10°22	13°45	3°19	7° 3	22°32	12°19	19° 0	19°47	16°37	29° 8	W19
T 20	20 17 45	3°20'00	2♎10	21°45	4°37	11° 2	13°42	3°21	7° 5	22°31	12°20	19° 1	19°44	16°44	29° 7	T 20
F 21	20 21 42	4°17'32	16° 8	21°30	5°49	11°42	13°40	3°23	7° 8	22°29	12°22	19° 2	19°41	16°51	29° 5	F 21
S 22	20 25 39	5°15'05	0♏15	21° 9	7° 1	12°21	13°37	3°25	7°10	22°27	12°23	19°R 2	19°38	16°57	29° 4	S 22
S 23	20 29 35	6°12'38	14°28	20°44	8°13	13° 1	13°35	3°27	7°12	22°26	12°25	19° 2	19°35	17° 4	29° 3	S 23
M24	20 33 32	7°10'13	28°46	20°13	9°26	13°40	13°33	3°29	7°14	22°24	12°26	19° 2	19°31	17°11	29° 1	M24
T 25	20 37 28	8° 7'48	13♐ 6	19°37	10°38	14°20	13°31	3°31	7°16	22°23	12°28	19° 1	19°28	17°18	29° 0	T 25
W26	20 41 25	9° 5'24	27°22	18°57	11°50	14°59	13°30	3°34	7°18	22°21	12°29	18°59	19°25	17°24	28°58	W26
T 27	20 45 21	10° 3'02	11♑33	18°14	13° 3	15°38	13°28	3°36	7°20	22°20	12°31	18°58	19°22	17°31	28°57	T 27
F 28	20 49 18	11° 0'41	25°32	17°27	14°15	16°17	13°27	3°39	7°22	22°18	12°32	18°58	19°19	17°38	28°55	F 28
S 29	20 53 14	11°58'21	9♒18	16°37	15°28	16°56	13°26	3°41	7°24	22°16	12°33	18°57	19°16	17°44	28°53	S 29
S 30	20 57 11	12°56'02	22°47	15°46	16°41	17°35	13°25	3°44	7°26	22°15	12°35	18°D57	19°12	17°51	28°52	S 30
M31	21 1 8	13♌53'44	5♓58	14♌54	17♋53	18♊14	13♐24	3♏47	7♊28	22♒13	12♋36	18♒57	19♒ 9	17♉58	28♓50	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n41	21s40	1s39	17n 3	0s15	20n57	1s23	19n29	0s23	22s23	0n20	10s18	2n25	21n23	0s 4	14s30	0s37	23n44	0n43	15s 7	14s39	21n10	3n 5	3n39
S 2	22 34	16 56	0 25	16 34	0 26	21 9	1 20	19 39	0 22	22 22	0 20	10 19	2 25	21 23	0 4	14 31	0 37	23 44	0 43	15 7	14 40	21 12	3 5	3 39
M 3	22 27	11 31	0n47	16 6	0 38	21 20	1 18	19 48	0 21	22 22	0 19	10 19	2 25	21 24	0 4	14 31	0 37	23 43	0 43	15 7	14 41	21 14	3 5	3 39
T 4	22 20	5 44	1 55	15 38	0 49	21 30	1 15	19 58	0 20	22 21	0 19	10 19	2 24	21 24	0 4	14 32	0 37	23 43	0 43	15 7	14 42	21 17	3 5	3 39
W 5	22 12	0n 6	2 56	15 10	1 1	21 40	1 13	20 7	0 20	22 21	0 19	10 20	2 24	21 25	0 4	14 32	0 37	23 43	0 43	15 6	14 43	21 19	3 5	3 39
T 6	22 3	5 47	3 47	14 43	1 13	21 50	1 10	20 16	0 19	22 20	0 19	10 20	2 24	21 25	0 4	14 33	0 37	23 43	0 43	15 6	14 44	21 21	3 5	3 40
F 7	21 55	11 10	4 28	14 17	1 26	21 59	1 7	20 25	0 18	22 20	0 19	10 21	2 23	21 26	0 4	14 33	0 37	23 43	0 43	15 5	14 45	21 23	3 5	3 40
S 8	21 46	16 4	4 55	13 52	1 38	22 7	1 5	20 34	0 17	22 20	0 19	10 21	2 23	21 26	0 4	14 34	0 37	23 43	0 43	15 5	14 46	21 25	3 5	3 40
S 9	21 37	20 20	5 11	13 27	1 51	22 14	1 2	20 42	0 17	22 19	0 18	10 22	2 23	21 27	0 4	14 34	0 37	23 43	0 43	15 6	14 47	21 27	3 5	3 40
M10	21 27	23 48	5 12	13 3	2 3	22 21	0 59	20 51	0 16	22 19	0 18	10 22	2 23	21 27	0 4	14 35	0 37	23 43	0 43	15 7	14 48	21 29	3 4	3 40
T 11	21 17	26 16	5 1	12 40	2 16	22 28	0 56	20 59	0 15	22 19	0 18	10 23	2 22	21 28	0 4	14 35	0 37	23 43	0 44	15 8	14 49	21 31	3 4	3 40
W12	21 6	27 33	4 36	12 19	2 29	22 34	0 54	21 7	0 14	22 18	0 18	10 23	2 22	21 28	0 4	14 35	0 37	23 43	0 44	15 9	14 50	21 33	3 4	3 40
T 13	20 55	27 30	3 57	11 59	2 42	22 39	0 51	21 15	0 14	22 18	0 18	10 24	2 22	21 28	0 4	14 36	0 37	23 43	0 44	15 10	14 51	21 35	3 4	3 40
F 14	20 44	26 4	3 7	11 40	2 55	22 43	0 48	21 22	0 13	22 18	0 17	10 25	2 22	21 29	0 4	14 36	0 37	23 43	0 44	15 11	14 52	21 37	3 4	3 41
S 15	20 33	23 17	2 7	11 23	3 7	22 47	0 45	21 30	0 12	22 18	0 17	10 25	2 21	21 29	0 4	14 37	0 37	23 43	0 44	15 12	14 53	21 40	3 3	3 41
S 16	20 21	19 16	0 59	11 8	3 19	22 51	0 42	21 37	0 11	22 17	0 17	10 26	2 21	21 30	0 4	14 37	0 37	23 42	0 44	15 12	14 54	21 42	3 3	3 41
M17	20 9	14 15	0s13	10 55	3 31	22 53	0 39	21 44	0 10	22 17	0 17	10 27	2 21	21 30	0 4	14 38	0 37	23 42	0 44	15 12	14 55	21 44	3 3	3 41
T 18	19 56	8 29	1 26	10 44	3 43	22 55	0 36	21 51	0 9	22 17	0 17	10 28	2 21	21 31	0 4	14 38	0 37	23 42	0 44	15 12	14 56	21 46	3 2	3 41
W19	19 43	2 15	2 35	10 35	3 53	22 57	0 34	21 58	0 9	22 17	0 17	10 29	2 20	21 31	0 4	14 39	0 37	23 42	0 44	15 12	14 57	21 48	3 2	3 41
T 20	19 30	4s10	3 36	10 28	4 4	22 57	0 31	22 4	0 8	22 17	0 16	10 29	2 20	21 31	0 4	14 39	0 37	23 42	0 44	15 11	14 58	21 50	3 2	3 41
F 21	19 16	10 27	4 25	10 24	4 13	22 57	0 28	22 10	0 7	22 16	0 16	10 30	2 20	21 32	0 4	14 40	0 37	23 42	0 44	15 11	14 59	21 52	3 1	3 41
S 22	19 2	16 16	4 59	10 23	4 22	22 57	0 25	22 16	0 6	22 16	0 16	10 31	2 19	21 32	0 4	14 41	0 37	23 42	0 44	15 11	15 0	21 54	3 1	3 42
S 23	18 48	21 15	5 15	10 24	4 29	22 55	0 22	22 22	0 5	22 16	0 16	10 32	2 19	21 33	0 4	14 41	0 37	23 42	0 44	15 11	15 1	21 56	3 0	3 42
M24	18 34	25 2	5 11	10 27	4 35	22 53	0 19	22 28	0 5	22 16	0 16	10 33	2 19	21 33	0 4	14 42	0 37	23 42	0 44	15 11	15 2	21 58	3 0	3 42
T 25	18 19	27 15	4 49	10 34	4 40	22 51	0 16	22 34	0 4	22 16	0 16	10 34	2 19	21 33	0 4	14 42	0 37	23 42	0 44	15 11	15 3	22 0	2 59	3 42
W26	18 4	27 39	4 8	10 43	4 43	22 48	0 13	22 39	0 3	22 16	0 15	10 35	2 18	21 34	0 4	14 43	0 37	23 42	0 45	15 12	15 4	22 2	2 59	3 42
T 27	17 48	26 14	3 12	10 55	4 45	22 44	0 11	22 44	0 2	22 16	0 15	10 36	2 18	21 34	0 4	14 43	0 37	23 42	0 45	15 12	15 5	22 4	2 58	3 42
F 28	17 33	23 11	2 6	11 9	4 45	22 39	0 8	22 49	0 1	22 16	0 15	10 38	2 18	21 34	0 4	14 44	0 37	23 42	0 45	15 12	15 6	22 6	2 58	3 42
S 29	17 17	18 52	0 53	11 25	4 43	22 34	0 5	22 54	0 0	22 16	0 15	10 39	2 18	21 35	0 4	14 44	0 37	23 42	0 45	15 13	15 7	22 8	2 57	3 42
S 30	17 0	13 39	0n21	11 44	4 39	22 28	0 2	22 58	0n 1	22 16	0 15	10 40	2 17	21 35	0 4	14 45	0 37	23 42	0 45	15 13	15 8	22 10	2 57	3 42
M31	16n44	7s56	1n33	12n 4	4s34	22n21	0n 1	23n 3	0n 1	22s16	0n14	10s41	2n17	21n35	0s 4	14s45	0s37	23n41	0n45	15s13	15s 9	22n12	2n56	3n42

Julian Day Number = 2155521.5, Delta T = 13m44s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'21, Lahiri = 12°33'21 Julian Calendar 1 July 1189 == Greg. Calendar 8 July 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

AUGUST 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 4	14♌51'28	18♓49	14°R 3	19♋ 6	18♊53	13°R24	3♏50	7♊30	22°R12	12♋38	18♒58	19♒ 6	18♉ 5	28°R48	T 1
W 2	21 9 1	15°49'14	1♈24	13♌12	20°19	19°32	13♐23	3°53	7°32	22♒10	12°39	18°58	19° 3	18°11	28♓46	W 2
T 3	21 12 57	16°47'01	13°42	12°25	21°32	20°10	13°D23	3°56	7°34	22° 8	12°40	18°58	19° 0	18°18	28°45	T 3
F 4	21 16 54	17°44'50	25°49	11°40	22°45	20°49	13°23	3°59	7°35	22° 7	12°42	18°58	18°56	18°25	28°43	F 4
S 5	21 20 50	18°42'41	7♉46	11° 0	23°57	21°27	13°23	4° 3	7°37	22° 5	12°43	18°R59	18°53	18°31	28°41	S 5
S 6	21 24 47	19°40'33	19°40	10°25	25°10	22° 5	13°24	4° 6	7°39	22° 3	12°45	18°D59	18°50	18°38	28°39	S 6
M 7	21 28 43	20°38'28	1♊34	9°57	26°24	22°44	13°24	4° 9	7°40	22° 2	12°46	18°59	18°47	18°45	28°37	M 7
T 8	21 32 40	21°36'24	13°33	9°35	27°37	23°22	13°25	4°13	7°42	22° 0	12°47	18°59	18°44	18°52	28°35	T 8
W 9	21 36 37	22°34'22	25°42	9°20	28°50	24° 0	13°26	4°17	7°43	21°58	12°48	18°59	18°41	18°58	28°33	W 9
T 10	21 40 33	23°32'22	8♋ 3	9°D14	0♌ 3	24°38	13°27	4°20	7°45	21°57	12°50	18°59	18°37	19° 5	28°30	T 10
F 11	21 44 30	24°30'24	20°41	9°15	1°16	25°16	13°28	4°24	7°46	21°55	12°51	19° 0	18°34	19°12	28°28	F 11
S 12	21 48 26	25°28'28	3♌37	9°25	2°30	25°53	13°30	4°28	7°47	21°54	12°52	19° 0	18°31	19°19	28°26	S 12
S 13	21 52 23	26°26'33	16°53	9°43	3°43	26°31	13°32	4°32	7°49	21°52	12°53	19°R 1	18°28	19°25	28°24	S 13
M14	21 56 19	27°24'40	0♍27	10° 9	4°56	27° 8	13°34	4°36	7°50	21°50	12°55	19° 0	18°25	19°32	28°22	M14
T 15	22 0 16	28°22'49	14°17	10°44	6°10	27°46	13°36	4°40	7°51	21°49	12°56	19° 0	18°22	19°39	28°19	T 15
W16	22 4 12	29°21'00	28°22	11°27	7°23	28°23	13°38	4°44	7°52	21°47	12°57	18°59	18°18	19°45	28°17	W16
T 17	22 8 9	0♍19'12	12♎36	12°17	8°37	29° 0	13°40	4°48	7°53	21°45	12°58	18°58	18°15	19°52	28°15	T 17
F 18	22 12 6	1°17'25	26°55	13°16	9°51	29°37	13°43	4°53	7°54	21°44	12°59	18°56	18°12	19°59	28°12	F 18
S 19	22 16 2	2°15'40	11♏16	14°21	11° 4	0♋14	13°46	4°57	7°55	21°42	13° 1	18°55	18° 9	20° 6	28°10	S 19
S 20	22 19 59	3°13'57	25°33	15°32	12°18	0°51	13°49	5° 1	7°56	21°41	13° 2	18°54	18° 6	20°12	28° 7	S 20
M21	22 23 55	4°12'16	9♐45	16°50	13°32	1°28	13°52	5° 6	7°57	21°39	13° 3	18°D54	18° 2	20°19	28° 5	M21
T 22	22 27 52	5°10'36	23°50	18°14	14°45	2° 5	13°55	5°11	7°58	21°37	13° 4	18°55	17°59	20°26	28° 3	T 22
W23	22 31 48	6° 8'57	7♑44	19°42	15°59	2°41	13°59	5°15	7°59	21°36	13° 5	18°56	17°56	20°33	28° 0	W23
T 24	22 35 45	7° 7'20	21°29	21°15	17°13	3°18	14° 3	5°20	7°59	21°34	13° 6	18°57	17°53	20°39	27°57	T 24
F 25	22 39 41	8° 5'45	5♒ 1	22°52	18°27	3°54	14° 6	5°25	8° 0	21°33	13° 7	18°58	17°50	20°46	27°55	F 25
S 26	22 43 38	9° 4'11	18°21	24°32	19°41	4°30	14°10	5°30	8° 1	21°31	13° 8	18°R59	17°47	20°53	27°52	S 26
S 27	22 47 35	10° 2'39	1♓28	26°15	20°55	5° 6	14°15	5°35	8° 1	21°30	13° 9	18°58	17°43	20°59	27°50	S 27
M28	22 51 31	11° 1'09	14°22	28° 1	22° 9	5°42	14°19	5°40	8° 2	21°28	13°10	18°57	17°40	21° 6	27°47	M28
T 29	22 55 28	11°59'41	27° 2	29°48	23°23	6°18	14°24	5°45	8° 2	21°26	13°11	18°54	17°37	21°13	27°44	T 29
W30	22 59 24	12°58'15	9♈28	1♍37	24°37	6°54	14°28	5°50	8° 3	21°25	13°12	18°50	17°34	21°20	27°42	W30
T 31	23 3 21	13♍56'51	21♈43	3♍27	25♌51	7♋30	14♐33	5♏55	8♊ 3	21♒23	13♋13	18♒46	17♒31	21♉26	27♓39	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n27	2s 1	2n38	12n26	4s26	22n14	0n 4	23n 7	0n 2	22s16	0n14	10s42	2n17	21n36	0s 4	14s46	0s37	23n41	0n45	15s12	15s10	22n13	2n55	3n43
W 2	16 10	3n50	3 34	12 50	4 17	22 6	0 6	23 11	0 3	22 16	0 14	10 44	2 17	21 36	0 4	14 46	0 37	23 41	0 45	15 12	15 11	22 15	2 55	3 43
T 3	15 53	9 24	4 19	13 13	4 6	21 58	0 9	23 15	0 4	22 17	0 14	10 45	2 16	21 36	0 4	14 47	0 37	23 41	0 45	15 12	15 12	22 17	2 54	3 43
F 4	15 35	14 32	4 51	13 38	3 53	21 49	0 12	23 19	0 5	22 17	0 14	10 46	2 16	21 36	0 4	14 48	0 37	23 41	0 45	15 12	15 13	22 19	2 53	3 43
S 5	15 17	19 3	5 11	14 2	3 39	21 39	0 14	23 22	0 6	22 17	0 14	10 47	2 16	21 37	0 4	14 48	0 37	23 41	0 45	15 12	15 14	22 21	2 53	3 43
S 6	14 59	22 48	5 17	14 26	3 23	21 29	0 17	23 25	0 7	22 17	0 13	10 49	2 16	21 37	0 4	14 49	0 37	23 41	0 45	15 12	15 15	22 23	2 52	3 43
M 7	14 41	25 37	5 9	14 50	3 7	21 17	0 20	23 28	0 8	22 17	0 13	10 50	2 15	21 37	0 4	14 49	0 37	23 41	0 45	15 12	15 16	22 25	2 51	3 43
T 8	14 22	27 18	4 48	15 12	2 50	21 6	0 22	23 31	0 9	22 18	0 13	10 52	2 15	21 37	0 4	14 50	0 37	23 41	0 45	15 12	15 17	22 27	2 50	3 43
W 9	14 3	27 43	4 14	15 33	2 32	20 54	0 25	23 34	0 10	22 18	0 13	10 53	2 15	21 38	0 4	14 50	0 38	23 41	0 46	15 12	15 18	22 29	2 50	3 43
T 10	13 44	26 45	3 28	15 52	2 14	20 41	0 27	23 37	0 10	22 18	0 13	10 55	2 15	21 38	0 4	14 51	0 38	23 41	0 46	15 12	15 19	22 31	2 49	3 43
F 11	13 25	24 26	2 31	16 10	1 55	20 27	0 30	23 39	0 11	22 19	0 13	10 56	2 14	21 38	0 4	14 51	0 38	23 41	0 46	15 12	15 20	22 33	2 48	3 43
S 12	13 5	20 48	1 24	16 25	1 37	20 13	0 32	23 41	0 12	22 19	0 12	10 58	2 14	21 38	0 4	14 52	0 38	23 41	0 46	15 12	15 21	22 35	2 47	3 43
S 13	12 45	16 2	0 12	16 38	1 19	19 58	0 35	23 43	0 13	22 19	0 12	10 59	2 14	21 39	0 4	14 52	0 38	23 41	0 46	15 11	15 22	22 36	2 46	3 43
M14	12 26	10 23	1s 3	16 48	1 1	19 43	0 37	23 45	0 14	22 20	0 12	11 1	2 14	21 39	0 4	14 53	0 38	23 41	0 46	15 11	15 23	22 38	2 46	3 43
T 15	12 5	4 8	2 15	16 55	0 44	19 27	0 40	23 47	0 15	22 20	0 12	11 2	2 14	21 39	0 4	14 54	0 38	23 41	0 46	15 12	15 24	22 40	2 45	3 43
W16	11 45	2s25	3 21	16 59	0 27	19 11	0 42	23 48	0 16	22 21	0 12	11 4	2 13	21 39	0 4	14 54	0 38	23 41	0 46	15 12	15 25	22 42	2 44	3 43
T 17	11 25	8 54	4 15	17 1	0 11	18 54	0 44	23 50	0 17	22 21	0 12	11 5	2 13	21 39	0 4	14 55	0 38	23 41	0 46	15 12	15 26	22 44	2 43	3 44
F 18	11 4	14 58	4 53	16 59	0n 4	18 36	0 46	23 51	0 18	22 21	0 12	11 7	2 13	21 40	0 4	14 55	0 38	23 41	0 46	15 13	15 27	22 46	2 42	3 44
S 19	10 43	20 13	5 13	16 54	0 18	18 18	0 49	23 52	0 19	22 22	0 11	11 9	2 13	21 40	0 4	14 56	0 38	23 41	0 46	15 13	15 28	22 48	2 41	3 44
S 20	10 22	24 18	5 14	16 45	0 32	18 0	0 51	23 53	0 20	22 22	0 11	11 10	2 12	21 40	0 4	14 56	0 38	23 41	0 46	15 13	15 29	22 49	2 40	3 44
M21	10 1	26 53	4 55	16 33	0 44	17 41	0 53	23 53	0 21	22 23	0 11	11 12	2 12	21 40	0 4	14 57	0 38	23 40	0 46	15 13	15 30	22 51	2 39	3 44
T 22	9 39	27 43	4 19	16 18	0 55	17 21	0 55	23 54	0 22	22 24	0 11	11 14	2 12	21 40	0 4	14 57	0 38	23 40	0 47	15 13	15 30	22 53	2 38	3 44
W23	9 18	26 47	3 28	16 0	1 5	17 1	0 57	23 54	0 23	22 24	0 11	11 16	2 12	21 40	0 4	14 58	0 38	23 40	0 47	15 13	15 31	22 55	2 37	3 44
T 24	8 56	24 13	2 26	15 39	1 14	16 40	0 59	23 54	0 24	22 25	0 11	11 17	2 12	21 40	0 4	14 58	0 38	23 40	0 47	15 13	15 32	22 57	2 36	3 44
F 25	8 34	20 20	1 16	15 15	1 22	16 19	1 1	23 54	0 25	22 25	0 10	11 19	2 11	21 41	0 4	14 59	0 38	23 40	0 47	15 12	15 33	22 58	2 35	3 44
S 26	8 12	15 27	0 3	14 48	1 29	15 58	1 2	23 54	0 26	22 26	0 10	11 21	2 11	21 41	0 4	14 59	0 38	23 40	0 47	15 12	15 34	23 0	2 34	3 44
S 27	7 50	9 56	1n 8	14 19	1 35	15 36	1 4	23 54	0 27	22 27	0 10	11 23	2 11	21 41	0 4	15 0	0 38	23 40	0 47	15 12	15 35	23 2	2 33	3 44
M28	7 28	4 6	2 15	13 47	1 40	15 14	1 6	23 53	0 28	22 27	0 10	11 25	2 11	21 41	0 4	15 0	0 38	23 40	0 47	15 13	15 36	23 4	2 32	3 44
T 29	7 6	1n47	3 14	13 12	1 44	14 51	1 7	23 53	0 29	22 28	0 10	11 27	2 11	21 41	0 4	15 1	0 38	23 40	0 47	15 14	15 37	23 6	2 31	3 44
W30	6 43	7 29	4 2	12 36	1 47	14 27	1 9	23 52	0 30	22 29	0 10	11 28	2 10	21 41	0 4	15 1	0 38	23 40	0 47	15 15	15 38	23 7	2 30	3 44
T 31	6n21	12n48	4n39	11n58	1n49	14n 4	1n11	23n51	0n31	22s29	0n10	11s30	2n10	21n41	0s 4	15s 2	0s38	23n40	0n47	15s16	15s39	23n 9	2n29	3n44

Julian Day Number = 2155552.5, Delta T = 13m44s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'25, Lahiri = 12°33'26 Julian Calendar 1 Aug. 1189 == Greg. Calendar 8 Aug. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

SEPTEMBER 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 7 17	14♍55'30	3♉47	5♍17	27♌ 6	8♋ 5	14♐38	6♏ 0	8♊ 3	21°R22	13♋14	18°R42	17♒27	21♉33	27°R36	F 1
S 2	23 11 14	15°54'10	15°44	7° 8	28°20	8°40	14°44	6° 6	8° 4	21♒21	13°14	18♒38	17°24	21°40	27♓34	S 2
S 3	23 15 10	16°52'53	27°36	9° 0	29°34	9°16	14°49	6°11	8° 4	21°19	13°15	18°36	17°21	21°46	27°31	S 3
M 4	23 19 7	17°51'38	9♊29	10°51	0♍48	9°51	14°54	6°17	8° 4	21°18	13°16	18°34	17°18	21°53	27°28	M 4
T 5	23 23 3	18°50'25	21°27	12°42	2° 3	10°26	15° 0	6°22	8° 4	21°16	13°17	18°D34	17°15	22° 0	27°26	T 5
W 6	23 27 0	19°49'15	3♋33	14°33	3°17	11° 1	15° 6	6°28	8° 4	21°15	13°18	18°34	17°12	22° 7	27°23	W 6
T 7	23 30 57	20°48'07	15°54	16°23	4°32	11°35	15°12	6°33	8°R 4	21°13	13°18	18°36	17° 8	22°13	27°20	T 7
F 8	23 34 53	21°47'01	28°33	18°13	5°46	12°10	15°18	6°39	8° 4	21°12	13°19	18°38	17° 5	22°20	27°17	F 8
S 9	23 38 50	22°45'58	11♌34	20° 2	7° 1	12°44	15°25	6°45	8° 4	21°11	13°20	18°39	17° 2	22°27	27°15	S 9
S 10	23 42 46	23°44'56	25° 0	21°51	8°15	13°19	15°31	6°50	8° 4	21° 9	13°21	18°R39	16°59	22°34	27°12	S 10
M11	23 46 43	24°43'57	8♍50	23°38	9°30	13°53	15°38	6°56	8° 4	21° 8	13°21	18°37	16°56	22°40	27° 9	M11
T 12	23 50 39	25°43'00	23° 3	25°25	10°44	14°27	15°45	7° 2	8° 3	21° 7	13°22	18°34	16°53	22°47	27° 6	T 12
W13	23 54 36	26°42'05	7♎34	27°12	11°59	15° 1	15°51	7° 8	8° 3	21° 6	13°22	18°29	16°49	22°54	27° 4	W13
T 14	23 58 32	27°41'12	22°17	28°57	13°14	15°35	15°59	7°14	8° 3	21° 4	13°23	18°23	16°46	23° 0	27° 1	T 14
F 15	0 2 29	28°40'22	7♏ 3	0♎41	14°28	16° 8	16° 6	7°20	8° 2	21° 3	13°24	18°17	16°43	23° 7	26°58	F 15
S 16	0 6 26	29°39'33	21°46	2°25	15°43	16°42	16°13	7°26	8° 2	21° 2	13°24	18°12	16°40	23°14	26°55	S 16
S 17	0 10 22	0♎38'46	6♐19	4° 8	16°58	17°15	16°21	7°32	8° 1	21° 1	13°25	18° 7	16°37	23°21	26°52	S 17
M18	0 14 19	1°38'00	20°37	5°50	18°13	17°48	16°28	7°39	8° 1	21° 0	13°25	18° 5	16°33	23°27	26°50	M18
T 19	0 18 15	2°37'17	4♑38	7°31	19°28	18°21	16°36	7°45	8° 0	20°58	13°26	18°D 5	16°30	23°34	26°47	T 19
W20	0 22 12	3°36'35	18°21	9°12	20°42	18°54	16°44	7°51	8° 0	20°57	13°26	18° 5	16°27	23°41	26°44	W20
T 21	0 26 8	4°35'55	1♒47	10°52	21°57	19°26	16°52	7°57	7°59	20°56	13°27	18° 7	16°24	23°47	26°41	T 21
F 22	0 30 5	5°35'17	14°59	12°31	23°12	19°59	17° 0	8° 4	7°58	20°55	13°27	18°R 8	16°21	23°54	26°39	F 22
S 23	0 34 1	6°34'41	27°56	14° 9	24°27	20°31	17° 9	8°10	7°57	20°54	13°27	18° 7	16°18	24° 1	26°36	S 23
S 24	0 37 58	7°34'06	10♓42	15°46	25°42	21° 3	17°17	8°16	7°56	20°53	13°28	18° 5	16°14	24° 8	26°33	S 24
M25	0 41 55	8°33'33	23°16	17°23	26°57	21°35	17°26	8°23	7°55	20°52	13°28	18° 0	16°11	24°14	26°31	M25
T 26	0 45 51	9°33'03	5♈41	18°59	28°12	22° 7	17°35	8°29	7°54	20°51	13°28	17°53	16° 8	24°21	26°28	T 26
W27	0 49 48	10°32'34	17°57	20°35	29°27	22°38	17°43	8°36	7°53	20°50	13°29	17°43	16° 5	24°28	26°25	W27
T 28	0 53 44	11°32'08	0♉ 4	22° 9	0♎42	23°10	17°52	8°43	7°52	20°49	13°29	17°33	16° 2	24°35	26°22	T 28
F 29	0 57 41	12°31'43	12° 4	23°43	1°57	23°41	18° 1	8°49	7°51	20°48	13°29	17°22	15°59	24°41	26°20	F 29
S 30	1 1 37	13♎31'21	23♉58	25♎17	3♎12	24♋12	18♐11	8♏56	7♊50	20♒48	13♋29	17♒12	15♒55	24♉48	26♓17	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n58	17n34	5n 2	11n19	1n50	13n40	1n12	23n50	0n32	22s30	0n 9	11s32	2n10	21n41	0s 4	15s 2	0s38	23n40	0n47	15s17	15s40	23n11	2n28	3n44
S 2	5 35	21 36	5 12	10 38	1 50	13 15	1 13	23 49	0 33	22 31	0 9	11 34	2 10	21 41	0 4	15 3	0 38	23 40	0 47	15 18	15 41	23 13	2 27	3 44
S 3	5 12	24 43	5 9	9 56	1 50	12 50	1 15	23 48	0 34	22 32	0 9	11 36	2 10	21 41	0 4	15 3	0 38	23 40	0 48	15 19	15 42	23 14	2 26	3 44
M 4	4 49	26 47	4 52	9 13	1 49	12 25	1 16	23 46	0 35	22 32	0 9	11 38	2 10	21 41	0 4	15 4	0 38	23 40	0 48	15 20	15 43	23 16	2 25	3 44
T 5	4 26	27 39	4 23	8 29	1 48	12 0	1 17	23 45	0 37	22 33	0 9	11 40	2 9	21 41	0 4	15 4	0 38	23 40	0 48	15 20	15 44	23 18	2 23	3 44
W 6	4 3	27 11	3 42	7 44	1 45	11 34	1 18	23 43	0 38	22 34	0 9	11 42	2 9	21 41	0 4	15 5	0 38	23 40	0 48	15 20	15 45	23 19	2 22	3 44
T 7	3 40	25 24	2 49	6 58	1 43	11 8	1 19	23 41	0 39	22 35	0 9	11 44	2 9	21 41	0 4	15 5	0 38	23 40	0 48	15 19	15 46	23 21	2 21	3 44
F 8	3 16	22 18	1 47	6 12	1 40	10 41	1 20	23 39	0 40	22 36	0 8	11 46	2 9	21 41	0 4	15 5	0 38	23 40	0 48	15 19	15 47	23 23	2 20	3 44
S 9	2 53	18 0	0 39	5 26	1 36	10 14	1 21	23 37	0 41	22 36	0 8	11 48	2 9	21 41	0 4	15 6	0 38	23 40	0 48	15 18	15 48	23 25	2 19	3 43
S 10	2 30	12 42	0s35	4 40	1 32	9 47	1 22	23 34	0 42	22 37	0 8	11 50	2 8	21 41	0 4	15 6	0 38	23 40	0 48	15 18	15 49	23 26	2 18	3 43
M11	2 6	6 38	1 48	3 53	1 28	9 20	1 23	23 32	0 43	22 38	0 8	11 52	2 8	21 41	0 4	15 7	0 38	23 40	0 48	15 19	15 50	23 28	2 17	3 43
T 12	1 43	0 5	2 56	3 6	1 23	8 52	1 24	23 30	0 44	22 39	0 8	11 54	2 8	21 41	0 4	15 7	0 38	23 40	0 48	15 20	15 51	23 30	2 15	3 43
W13	1 19	6s36	3 54	2 19	1 18	8 24	1 25	23 27	0 45	22 40	0 8	11 56	2 8	21 41	0 4	15 8	0 38	23 40	0 48	15 21	15 52	23 31	2 14	3 43
T 14	0 55	13 0	4 38	1 32	1 13	7 56	1 25	23 24	0 47	22 41	0 8	11 58	2 8	21 41	0 4	15 8	0 38	23 40	0 48	15 23	15 53	23 33	2 13	3 43
F 15	0 32	18 42	5 3	0 45	1 7	7 27	1 26	23 21	0 48	22 42	0 7	12 1	2 8	21 41	0 4	15 8	0 38	23 40	0 49	15 25	15 54	23 35	2 12	3 43
S 16	0 8	23 15	5 9	0s 1	1 2	6 59	1 26	23 18	0 49	22 43	0 7	12 3	2 8	21 41	0 4	15 9	0 38	23 40	0 49	15 27	15 55	23 36	2 11	3 43
S 17	0s15	26 17	4 54	0 48	0 56	6 30	1 27	23 15	0 50	22 43	0 7	12 5	2 7	21 41	0 4	15 9	0 38	23 40	0 49	15 28	15 56	23 38	2 10	3 43
M18	0 39	27 33	4 21	1 34	0 50	6 1	1 27	23 12	0 51	22 44	0 7	12 7	2 7	21 41	0 4	15 9	0 38	23 41	0 49	15 29	15 57	23 40	2 8	3 43
T 19	1 3	27 1	3 33	2 20	0 43	5 32	1 27	23 9	0 52	22 45	0 7	12 9	2 7	21 41	0 4	15 10	0 38	23 41	0 49	15 29	15 58	23 41	2 7	3 43
W20	1 26	24 49	2 34	3 6	0 37	5 2	1 28	23 6	0 54	22 46	0 7	12 11	2 7	21 41	0 4	15 10	0 38	23 41	0 49	15 29	15 59	23 43	2 6	3 43
T 21	1 50	21 16	1 27	3 51	0 31	4 33	1 28	23 2	0 55	22 47	0 7	12 13	2 7	21 41	0 4	15 11	0 38	23 41	0 49	15 28	16 0	23 44	2 5	3 43
F 22	2 14	16 41	0 17	4 36	0 24	4 3	1 28	22 59	0 56	22 48	0 6	12 16	2 7	21 40	0 4	15 11	0 38	23 41	0 49	15 28	16 0	23 46	2 4	3 43
S 23	2 37	11 25	0n53	5 20	0 17	3 33	1 28	22 55	0 57	22 49	0 6	12 18	2 7	21 40	0 4	15 11	0 38	23 41	0 49	15 28	16 1	23 48	2 3	3 42
S 24	3 1	5 46	1 58	6 4	0 11	3 3	1 28	22 51	0 59	22 50	0 6	12 20	2 6	21 40	0 4	15 11	0 38	23 41	0 49	15 29	16 2	23 49	2 1	3 42
M25	3 25	0n 2	2 57	6 48	0 4	2 33	1 28	22 47	1 0	22 51	0 6	12 22	2 6	21 40	0 4	15 12	0 38	23 41	0 49	15 30	16 3	23 51	2 0	3 42
T 26	3 48	5 44	3 47	7 31	0s 3	2 3	1 27	22 44	1 1	22 52	0 6	12 24	2 6	21 40	0 4	15 12	0 38	23 41	0 49	15 33	16 4	23 52	1 59	3 42
W27	4 11	11 9	4 25	8 13	0 10	1 33	1 27	22 40	1 2	22 53	0 6	12 27	2 6	21 40	0 4	15 12	0 38	23 41	0 50	15 35	16 5	23 54	1 58	3 42
T 28	4 35	16 4	4 51	8 55	0 17	1 3	1 27	22 36	1 4	22 54	0 6	12 29	2 6	21 40	0 4	15 13	0 38	23 41	0 50	15 39	16 6	23 56	1 57	3 42
F 29	4 58	20 20	5 3	9 37	0 24	0 33	1 27	22 32	1 5	22 55	0 6	12 31	2 6	21 39	0 4	15 13	0 38	23 41	0 50	15 42	16 7	23 57	1 55	3 42
S 30	5s22	23n44	5n 2	10s18	0s30	0n 2	1n26	22n27	1n 6	22s56	0n 5	12s33	2n 6	21n39	0s 4	15s13	0s38	23n41	0n50	15s45	16s 8	23n59	1n54	3n42

Julian Day Number = 2155583.5, Delta T = 13m44s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'29, Lahiri = 12°33'30 Julian Calendar 1 Sept. 1189 == Greg. Calendar 8 Sept. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

OCTOBER 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 34	14♎31'02	5♊50	26♎50	4♎27	24♋43	18♐20	9♏ 2	7°R49	20°R47	13♋29	17°R 4	15♒52	24♉55	26°R15	S 1
M 2	1 9 30	15°30'44	17°41	28°22	5°42	25°14	18°29	9° 9	7♊48	20♒46	13°30	16♒58	15°49	25° 1	26♓12	M 2
T 3	1 13 27	16°30'29	29°35	29°54	6°58	25°44	18°39	9°16	7°46	20°45	13°30	16°54	15°46	25° 8	26° 9	T 3
W 4	1 17 24	17°30'16	11♋39	1♏25	8°13	26°14	18°49	9°23	7°45	20°45	13°30	16°52	15°43	25°15	26° 7	W 4
T 5	1 21 20	18°30'05	23°55	2°56	9°28	26°44	18°58	9°29	7°44	20°44	13°30	16°D52	15°39	25°22	26° 4	T 5
F 6	1 25 17	19°29'57	6♌30	4°26	10°43	27°14	19° 8	9°36	7°42	20°43	13°30	16°53	15°36	25°28	26° 2	F 6
S 7	1 29 13	20°29'50	19°28	5°55	11°58	27°44	19°18	9°43	7°41	20°43	13°30	16°R53	15°33	25°35	25°59	S 7
S 8	1 33 10	21°29'46	2♍53	7°24	13°14	28°13	19°29	9°50	7°39	20°42	13°R30	16°52	15°30	25°42	25°57	S 8
M 9	1 37 6	22°29'45	16°47	8°52	14°29	28°42	19°39	9°57	7°38	20°41	13°30	16°48	15°27	25°48	25°55	M 9
T 10	1 41 3	23°29'45	1♎ 9	10°20	15°44	29°11	19°49	10° 4	7°36	20°41	13°30	16°42	15°24	25°55	25°52	T 10
W11	1 44 59	24°29'47	15°56	11°47	16°59	29°40	20° 0	10°11	7°35	20°40	13°30	16°34	15°20	26° 2	25°50	W11
T 12	1 48 56	25°29'51	0♏59	13°13	18°15	0♌ 9	20°10	10°18	7°33	20°40	13°30	16°24	15°17	26° 9	25°48	T 12
F 13	1 52 53	26°29'58	16°10	14°39	19°30	0°37	20°21	10°25	7°31	20°39	13°30	16°13	15°14	26°15	25°45	F 13
S 14	1 56 49	27°30'06	1♐17	16° 4	20°45	1° 5	20°32	10°32	7°29	20°39	13°30	16° 3	15°11	26°22	25°43	S 14
S 15	2 0 46	28°30'16	16°11	17°28	22° 1	1°32	20°42	10°39	7°28	20°39	13°29	15°55	15° 8	26°29	25°41	S 15
M16	2 4 42	29°30'27	0♑44	18°51	23°16	2° 0	20°53	10°46	7°26	20°38	13°29	15°50	15° 5	26°36	25°39	M16
T 17	2 8 39	0♏30'40	14°53	20°14	24°31	2°27	21° 4	10°53	7°24	20°38	13°29	15°47	15° 1	26°42	25°36	T 17
W18	2 12 35	1°30'55	28°38	21°36	25°47	2°54	21°16	11° 0	7°22	20°38	13°29	15°D46	14°58	26°49	25°34	W18
T 19	2 16 32	2°31'11	11♒59	22°56	27° 2	3°21	21°27	11° 7	7°20	20°37	13°28	15°R46	14°55	26°56	25°32	T 19
F 20	2 20 28	3°31'28	24°59	24°16	28°18	3°47	21°38	11°14	7°18	20°37	13°28	15°46	14°52	27° 2	25°30	F 20
S 21	2 24 25	4°31'47	7♓43	25°34	29°33	4°13	21°49	11°21	7°16	20°37	13°28	15°44	14°49	27° 9	25°28	S 21
S 22	2 28 22	5°32'07	20°13	26°51	0♏48	4°39	22° 1	11°28	7°14	20°37	13°27	15°40	14°45	27°16	25°26	S 22
M23	2 32 18	6°32'29	2♈33	28° 7	2° 4	5° 5	22°12	11°35	7°12	20°37	13°27	15°33	14°42	27°23	25°24	M23
T 24	2 36 15	7°32'53	14°44	29°20	3°19	5°30	22°24	11°42	7°10	20°37	13°27	15°22	14°39	27°29	25°22	T 24
W25	2 40 11	8°33'18	26°49	0♐32	4°35	5°55	22°36	11°49	7° 8	20°36	13°26	15°10	14°36	27°36	25°20	W25
T 26	2 44 8	9°33'44	8♉48	1°42	5°50	6°19	22°48	11°57	7° 6	20°D36	13°26	14°55	14°33	27°43	25°19	T 26
F 27	2 48 4	10°34'13	20°43	2°49	7° 5	6°44	23° 0	12° 4	7° 3	20°36	13°25	14°40	14°30	27°49	25°17	F 27
S 28	2 52 1	11°34'43	2♊36	3°54	8°21	7° 8	23°11	12°11	7° 1	20°37	13°25	14°26	14°26	27°56	25°15	S 28
S 29	2 55 57	12°35'15	14°27	4°56	9°36	7°31	23°24	12°18	6°59	20°37	13°24	14°14	14°23	28° 3	25°14	S 29
M30	2 59 54	13°35'48	26°19	5°54	10°52	7°55	23°36	12°25	6°57	20°37	13°24	14° 4	14°20	28°10	25°12	M30
T 31	3 3 51	14♏36'23	8♋14	6♐49	12♏ 7	8♌18	23♐48	12♏32	6♊54	20♒37	13♋23	13♒57	14♒17	28♉16	25♓10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s45	26n 6	4n49	10s58	0s37	0s28	1n26	22n23	1n 8	22s57	0n 5	12s35	2n 6	21n39	0s 4	15s13	0s38	23n41	0n50	15s47	16s 9	24n 0	1n53	3n42
M 2	6 8	27 19	4 22	11 38	0 44	0 59	1 25	22 19	1 9	22 57	0 5	12 38	2 5	21 39	0 4	15 14	0 38	23 41	0 50	15 49	16 10	24 2	1 52	3 41
T 3	6 31	27 17	3 45	12 17	0 51	1 29	1 24	22 15	1 10	22 58	0 5	12 40	2 5	21 39	0 4	15 14	0 38	23 41	0 50	15 51	16 11	24 3	1 51	3 41
W 4	6 54	25 58	2 56	12 55	0 57	1 59	1 24	22 10	1 12	22 59	0 5	12 42	2 5	21 38	0 4	15 14	0 38	23 41	0 50	15 51	16 12	24 5	1 50	3 41
T 5	7 17	23 23	1 59	13 33	1 4	2 30	1 23	22 6	1 13	23 0	0 5	12 44	2 5	21 38	0 4	15 14	0 38	23 41	0 50	15 51	16 13	24 6	1 49	3 41
F 6	7 40	19 37	0 55	14 10	1 11	3 0	1 22	22 1	1 14	23 1	0 5	12 47	2 5	21 38	0 4	15 15	0 38	23 42	0 50	15 51	16 14	24 8	1 47	3 41
S 7	8 2	14 50	0s14	14 46	1 17	3 31	1 21	21 57	1 16	23 2	0 5	12 49	2 5	21 38	0 4	15 15	0 38	23 42	0 50	15 51	16 15	24 9	1 46	3 41
S 8	8 25	9 11	1 24	15 21	1 23	4 1	1 20	21 52	1 17	23 3	0 5	12 51	2 5	21 37	0 4	15 15	0 38	23 42	0 50	15 51	16 16	24 11	1 45	3 41
M 9	8 48	2 55	2 32	15 56	1 30	4 31	1 19	21 47	1 18	23 4	0 4	12 53	2 5	21 37	0 4	15 15	0 38	23 42	0 51	15 52	16 17	24 12	1 44	3 40
T 10	9 10	3s42	3 32	16 30	1 36	5 1	1 18	21 43	1 20	23 5	0 4	12 56	2 5	21 37	0 4	15 15	0 38	23 42	0 51	15 54	16 18	24 14	1 43	3 40
W11	9 32	10 17	4 20	17 3	1 41	5 31	1 17	21 38	1 21	23 6	0 4	12 58	2 5	21 37	0 4	15 16	0 38	23 42	0 51	15 57	16 18	24 15	1 42	3 40
T 12	9 54	16 24	4 51	17 35	1 47	6 1	1 16	21 33	1 23	23 7	0 4	13 0	2 5	21 36	0 4	15 16	0 37	23 42	0 51	16 0	16 19	24 17	1 41	3 40
F 13	10 16	21 33	5 2	18 6	1 53	6 31	1 15	21 29	1 24	23 8	0 4	13 2	2 5	21 36	0 4	15 16	0 37	23 42	0 51	16 3	16 20	24 18	1 40	3 40
S 14	10 38	25 15	4 51	18 36	1 58	7 0	1 13	21 24	1 26	23 9	0 4	13 5	2 4	21 36	0 4	15 16	0 37	23 42	0 51	16 6	16 21	24 20	1 39	3 40
S 15	10 59	27 9	4 21	19 5	2 3	7 30	1 12	21 19	1 27	23 9	0 4	13 7	2 4	21 36	0 4	15 16	0 37	23 42	0 51	16 8	16 22	24 21	1 38	3 39
M16	11 21	27 7	3 34	19 34	2 8	7 59	1 11	21 15	1 29	23 10	0 4	13 9	2 4	21 35	0 4	15 16	0 37	23 42	0 51	16 10	16 23	24 23	1 37	3 39
T 17	11 42	25 17	2 36	20 1	2 13	8 28	1 9	21 10	1 30	23 11	0 3	13 11	2 4	21 35	0 4	15 16	0 37	23 43	0 51	16 11	16 24	24 24	1 36	3 39
W18	12 3	21 59	1 29	20 27	2 17	8 57	1 8	21 5	1 32	23 12	0 3	13 14	2 4	21 35	0 4	15 16	0 37	23 43	0 51	16 11	16 25	24 26	1 35	3 39
T 19	12 24	17 36	0 20	20 52	2 21	9 26	1 6	21 0	1 33	23 13	0 3	13 16	2 4	21 34	0 4	15 16	0 37	23 43	0 51	16 11	16 26	24 27	1 34	3 39
F 20	12 45	12 29	0n49	21 16	2 25	9 55	1 4	20 56	1 35	23 14	0 3	13 18	2 4	21 34	0 4	15 16	0 37	23 43	0 52	16 11	16 27	24 28	1 33	3 38
S 21	13 5	6 58	1 53	21 38	2 28	10 23	1 3	20 51	1 36	23 15	0 3	13 20	2 4	21 34	0 4	15 16	0 37	23 43	0 52	16 11	16 28	24 30	1 32	3 38
S 22	13 26	1 16	2 51	22 0	2 31	10 51	1 1	20 46	1 38	23 15	0 3	13 23	2 4	21 33	0 4	15 17	0 37	23 43	0 52	16 13	16 29	24 31	1 31	3 38
M23	13 46	4n23	3 40	22 20	2 34	11 19	0 59	20 42	1 40	23 16	0 3	13 25	2 4	21 33	0 4	15 17	0 37	23 43	0 52	16 15	16 30	24 33	1 30	3 38
T 24	14 5	9 48	4 18	22 38	2 36	11 46	0 58	20 37	1 41	23 17	0 3	13 27	2 4	21 33	0 3	15 17	0 37	23 43	0 52	16 18	16 31	24 34	1 29	3 38
W25	14 25	14 47	4 44	22 55	2 38	12 14	0 56	20 32	1 43	23 18	0 3	13 29	2 4	21 32	0 3	15 17	0 37	23 44	0 52	16 22	16 32	24 35	1 28	3 37
T 26	14 44	19 11	4 57	23 11	2 39	12 41	0 54	20 28	1 45	23 18	0 2	13 31	2 4	21 32	0 3	15 17	0 37	23 44	0 52	16 26	16 33	24 37	1 27	3 37
F 27	15 4	22 47	4 57	23 25	2 39	13 7	0 52	20 23	1 46	23 19	0 2	13 34	2 4	21 32	0 3	15 17	0 37	23 44	0 52	16 30	16 33	24 38	1 26	3 37
S 28	15 22	25 25	4 45	23 38	2 39	13 34	0 50	20 19	1 48	23 20	0 2	13 36	2 4	21 31	0 3	15 17	0 37	23 44	0 52	16 34	16 34	24 40	1 25	3 37
S 29	15 41	26 56	4 19	23 48	2 38	14 0	0 48	20 14	1 50	23 21	0 2	13 38	2 4	21 31	0 3	15 16	0 37	23 44	0 52	16 38	16 35	24 41	1 24	3 37
M30	15 59	27 12	3 43	23 58	2 37	14 25	0 46	20 10	1 51	23 21	0 2	13 40	2 4	21 31	0 3	15 16	0 37	23 44	0 52	16 41	16 36	24 42	1 24	3 36
T 31	16s18	26n13	2n56	24s 5	2s34	14s51	0n44	20n 5	1n53	23s22	0n 2	13s42	2n 4	21n30	0s 3	15s16	0s37	23n44	0n52	16s43	16s37	24n44	1n23	3n36

Julian Day Number = 2155613.5, Delta T = 13m44s
Ecliptic obliquity = 23°32'47, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'33, Lahiri = 12°33'34 Julian Calendar 1 Oct. 1189 == Greg. Calendar 8 Oct. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

NOVEMBER 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 7 47	15♏37'00	20♋16	7♐38	13♏23	8♌40	24♐ 0	12♏39	6°R52	20♒37	13°R23	13°R53	14♒14	28♉23	25°R 9	W 1
T 2	3 11 44	16°37'39	2♌30	8°23	14°38	9° 2	24°12	12°46	6♊50	20°37	13♋22	13♒52	14°10	28°30	25♓ 7	T 2
F 3	3 15 40	17°38'19	15° 0	9° 3	15°54	9°24	24°25	12°53	6°47	20°38	13°21	13°51	14° 7	28°36	25° 6	F 3
S 4	3 19 37	18°39'01	27°51	9°36	17° 9	9°46	24°37	13° 1	6°45	20°38	13°21	13°51	14° 4	28°43	25° 5	S 4
S 5	3 23 33	19°39'45	11♍ 8	10° 2	18°25	10° 7	24°50	13° 8	6°43	20°38	13°20	13°50	14° 1	28°50	25° 3	S 5
M 6	3 27 30	20°40'30	24°55	10°20	19°40	10°28	25° 2	13°15	6°40	20°39	13°19	13°47	13°58	28°57	25° 2	M 6
T 7	3 31 26	21°41'17	9♎11	10°30	20°56	10°48	25°15	13°22	6°38	20°39	13°19	13°40	13°55	29° 3	25° 1	T 7
W 8	3 35 23	22°42'06	23°56	10°R30	22°11	11° 8	25°28	13°29	6°35	20°39	13°18	13°32	13°51	29°10	24°59	W 8
T 9	3 39 20	23°42'56	9♏ 3	10°21	23°27	11°27	25°41	13°36	6°33	20°40	13°17	13°21	13°48	29°17	24°58	T 9
F 10	3 43 16	24°43'47	24°23	10° 0	24°42	11°47	25°53	13°43	6°30	20°40	13°16	13° 9	13°45	29°24	24°57	F 10
S 11	3 47 13	25°44'40	9♐43	9°29	25°58	12° 5	26° 6	13°50	6°28	20°41	13°16	12°58	13°42	29°30	24°56	S 11
S 12	3 51 9	26°45'34	24°54	8°46	27°13	12°23	26°19	13°57	6°25	20°41	13°15	12°49	13°39	29°37	24°55	S 12
M13	3 55 6	27°46'29	9♑44	7°53	28°29	12°41	26°32	14° 4	6°23	20°42	13°14	12°43	13°36	29°44	24°54	M13
T 14	3 59 2	28°47'24	24° 7	6°50	29°44	12°58	26°45	14°11	6°20	20°43	13°13	12°39	13°32	29°50	24°53	T 14
W15	4 2 59	29°48'21	8♒ 3	5°39	1♐ 0	13°15	26°58	14°18	6°18	20°43	13°12	12°D38	13°29	29°57	24°53	W15
T 16	4 6 55	0♐49'18	21°30	4°22	2°15	13°31	27°11	14°25	6°15	20°44	13°11	12°38	13°26	0♊ 4	24°52	T 16
F 17	4 10 52	1°50'16	4♓31	3° 0	3°31	13°47	27°25	14°32	6°13	20°45	13°10	12°R38	13°23	0°11	24°51	F 17
S 18	4 14 49	2°51'15	17°12	1°37	4°46	14° 2	27°38	14°39	6°10	20°46	13°10	12°37	13°20	0°17	24°51	S 18
S 19	4 18 45	3°52'14	29°36	0°16	6° 2	14°17	27°51	14°46	6° 8	20°46	13° 9	12°34	13°16	0°24	24°50	S 19
M20	4 22 42	4°53'14	11♈48	28♏58	7°17	14°31	28° 5	14°53	6° 5	20°47	13° 8	12°28	13°13	0°31	24°49	M20
T 21	4 26 38	5°54'15	23°50	27°48	8°33	14°45	28°18	14°59	6° 2	20°48	13° 7	12°20	13°10	0°37	24°49	T 21
W22	4 30 35	6°55'16	5♉48	26°46	9°48	14°58	28°31	15° 6	6° 0	20°49	13° 6	12° 9	13° 7	0°44	24°48	W22
T 23	4 34 31	7°56'18	17°41	25°54	11° 4	15°11	28°45	15°13	5°57	20°50	13° 5	11°57	13° 4	0°51	24°48	T 23
F 24	4 38 28	8°57'21	29°34	25°13	12°19	15°23	28°58	15°20	5°55	20°51	13° 4	11°44	13° 1	0°58	24°48	F 24
S 25	4 42 24	9°58'25	11♊26	24°43	13°35	15°34	29°12	15°26	5°52	20°52	13° 3	11°31	12°57	1° 4	24°48	S 25
S 26	4 46 21	10°59'29	23°20	24°24	14°50	15°45	29°25	15°33	5°50	20°53	13° 1	11°20	12°54	1°11	24°47	S 26
M27	4 50 18	12° 0'34	5♋17	24°D16	16° 5	15°55	29°39	15°40	5°47	20°54	13° 0	11°12	12°51	1°18	24°47	M27
T 28	4 54 14	13° 1'40	17°18	24°18	17°21	16° 5	29°53	15°46	5°45	20°55	12°59	11° 6	12°48	1°24	24°47	T 28
W29	4 58 11	14° 2'46	29°26	24°29	18°36	16°14	0♑ 6	15°53	5°42	20°56	12°58	11° 3	12°45	1°31	24°D47	W29
T 30	5 2 7	15♐ 3'54	11♌45	24♏50	19♐52	16♌22	0♑20	15♏59	5♊40	20♒57	12♋57	11°D 3	12♒42	1♊38	24♓47	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s35	24n 0	2n 1	24s10	2s31	15s16	0n42	20n 1	1n55	23s23	0n 2	13s45	2n 4	21n30	0s 3	15s16	0s37	23n45	0n53	16s44	16s38	24n45	1n22	3n36
T 2	16 53	20 39	1 0	24 13	2 27	15 40	0 40	19 57	1 57	23 23	0 2	13 47	2 4	21 29	0 3	15 16	0 37	23 45	0 53	16 44	16 39	24 46	1 21	3 36
F 3	17 10	16 19	0s 6	24 14	2 21	16 4	0 38	19 53	1 58	23 24	0 2	13 49	2 4	21 29	0 3	15 16	0 37	23 45	0 53	16 45	16 40	24 48	1 20	3 35
S 4	17 27	11 8	1 13	24 13	2 15	16 28	0 35	19 49	2 0	23 25	0 2	13 51	2 4	21 29	0 3	15 16	0 37	23 45	0 53	16 45	16 41	24 49	1 20	3 35
S 5	17 44	5 17	2 19	24 9	2 7	16 51	0 33	19 45	2 2	23 25	0 1	13 53	2 4	21 28	0 3	15 16	0 37	23 45	0 53	16 45	16 42	24 50	1 19	3 35
M 6	18 0	1s 0	3 19	24 3	1 58	17 14	0 31	19 41	2 4	23 26	0 1	13 55	2 4	21 28	0 3	15 16	0 37	23 45	0 53	16 46	16 43	24 52	1 18	3 35
T 7	18 16	7 27	4 8	23 54	1 48	17 36	0 29	19 37	2 6	23 26	0 1	13 57	2 4	21 27	0 3	15 16	0 37	23 45	0 53	16 48	16 44	24 53	1 17	3 35
W 8	18 32	13 42	4 43	23 42	1 36	17 58	0 27	19 33	2 8	23 27	0 1	14 0	2 4	21 27	0 3	15 16	0 37	23 46	0 53	16 50	16 45	24 54	1 17	3 34
T 9	18 47	19 18	5 0	23 27	1 22	18 20	0 24	19 30	2 10	23 27	0 1	14 2	2 4	21 27	0 3	15 15	0 37	23 46	0 53	16 53	16 45	24 55	1 16	3 34
F 10	19 2	23 42	4 55	23 9	1 7	18 40	0 22	19 26	2 11	23 28	0 1	14 4	2 4	21 26	0 3	15 15	0 37	23 46	0 53	16 57	16 46	24 57	1 15	3 34
S 11	19 17	26 26	4 29	22 48	0 51	19 1	0 20	19 23	2 13	23 29	0 1	14 6	2 4	21 26	0 3	15 15	0 37	23 46	0 53	17 0	16 47	24 58	1 15	3 34
S 12	19 31	27 11	3 44	22 24	0 33	19 21	0 17	19 19	2 15	23 29	0 1	14 8	2 4	21 25	0 3	15 15	0 37	23 46	0 53	17 2	16 48	24 59	1 14	3 33
M13	19 45	25 56	2 45	21 57	0 14	19 40	0 15	19 16	2 17	23 29	0 1	14 10	2 4	21 25	0 3	15 15	0 37	23 46	0 54	17 4	16 49	25 0	1 14	3 33
T 14	19 59	22 58	1 36	21 27	0n 6	19 59	0 13	19 13	2 19	23 30	0 0	14 12	2 4	21 25	0 3	15 14	0 37	23 47	0 54	17 5	16 50	25 2	1 13	3 33
W15	20 12	18 44	0 24	20 54	0 27	20 17	0 10	19 10	2 21	23 30	0 0	14 14	2 4	21 24	0 3	15 14	0 37	23 47	0 54	17 5	16 51	25 3	1 12	3 33
T 16	20 25	13 40	0n47	20 20	0 47	20 35	0 8	19 8	2 23	23 31	0 0	14 16	2 4	21 24	0 3	15 14	0 37	23 47	0 54	17 5	16 52	25 4	1 12	3 32
F 17	20 37	8 8	1 53	19 45	1 7	20 52	0 5	19 5	2 26	23 31	0 0	14 18	2 4	21 23	0 3	15 14	0 37	23 47	0 54	17 5	16 53	25 5	1 11	3 32
S 18	20 49	2 26	2 52	19 10	1 26	21 8	0 3	19 3	2 28	23 31	0 0	14 20	2 4	21 23	0 3	15 13	0 37	23 47	0 54	17 6	16 54	25 7	1 11	3 32
S 19	21 1	3n14	3 42	18 36	1 44	21 24	0 1	19 0	2 30	23 32	0s 0	14 22	2 4	21 22	0 3	15 13	0 37	23 47	0 54	17 7	16 55	25 8	1 10	3 32
M20	21 12	8 40	4 20	18 4	2 0	21 39	0s 2	18 58	2 32	23 32	0 0	14 24	2 4	21 22	0 3	15 13	0 37	23 48	0 54	17 8	16 55	25 9	1 10	3 31
T 21	21 23	13 44	4 47	17 35	2 14	21 54	0 4	18 56	2 34	23 32	0 0	14 26	2 4	21 22	0 3	15 13	0 37	23 48	0 54	17 11	16 56	25 10	1 10	3 31
W22	21 34	18 13	5 0	17 10	2 25	22 8	0 6	18 54	2 36	23 33	0 0	14 28	2 4	21 21	0 3	15 12	0 37	23 48	0 54	17 14	16 57	25 11	1 9	3 31
T 23	21 44	21 59	5 1	16 49	2 35	22 21	0 9	18 53	2 38	23 33	0 0	14 30	2 4	21 21	0 3	15 12	0 37	23 48	0 54	17 17	16 58	25 13	1 9	3 31
F 24	21 53	24 50	4 48	16 32	2 42	22 33	0 11	18 51	2 41	23 33	0 1	14 32	2 4	21 20	0 3	15 12	0 37	23 48	0 54	17 21	16 59	25 14	1 8	3 30
S 25	22 3	26 35	4 23	16 20	2 47	22 45	0 14	18 50	2 43	23 33	0 1	14 34	2 4	21 20	0 3	15 11	0 37	23 48	0 55	17 24	17 0	25 15	1 8	3 30
S 26	22 11	27 8	3 46	16 13	2 50	22 57	0 16	18 49	2 45	23 33	0 1	14 36	2 4	21 19	0 3	15 11	0 37	23 49	0 55	17 27	17 1	25 16	1 8	3 30
M27	22 20	26 25	2 59	16 9	2 51	23 7	0 18	18 48	2 47	23 34	0 1	14 37	2 4	21 19	0 3	15 11	0 37	23 49	0 55	17 30	17 2	25 17	1 8	3 30
T 28	22 28	24 28	2 3	16 10	2 51	23 17	0 21	18 47	2 50	23 34	0 1	14 39	2 4	21 18	0 3	15 10	0 37	23 49	0 55	17 31	17 3	25 18	1 7	3 29
W29	22 35	21 22	1 2	16 15	2 49	23 26	0 23	18 46	2 52	23 34	0 1	14 41	2 4	21 18	0 3	15 10	0 37	23 49	0 55	17 32	17 4	25 19	1 7	3 29
T 30	22s42	17n17	0s 4	16s22	2n46	23s35	0s25	18n46	2n54	23s34	0s 1	14s43	2n 4	21n18	0s 3	15s10	0s37	23n49	0n55	17s32	17s 4	25n21	1n 7	3n29

Julian Day Number = 2155644.5, Delta T = 13m43s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'38, Lahiri = 12°33'38 Julian Calendar 1 Nov. 1189 == Greg. Calendar 8 Nov. 1189

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ASTRODIENST EPHEMERIS for the year 1189
geocentric

DECEMBER 1189 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 6 4	16♐ 5'02	24♌17	25♏18	21♐ 7	16♌30	0♑34	16♏ 6	5°R37	20♒59	12°R56	11♒ 3	12♒38	1♊45	24♓47	F 1
S 2	5 10 0	17° 6'10	7♍ 6	25°53	22°23	16°37	0°47	16°12	5♊35	21° 0	12♋55	11° 4	12°35	1°51	24°47	S 2
S 3	5 13 57	18° 7'20	20°17	26°34	23°38	16°44	1° 1	16°19	5°32	21° 1	12°54	11°R 5	12°32	1°58	24°48	S 3
M 4	5 17 53	19° 8'30	3♎53	27°21	24°54	16°49	1°15	16°25	5°30	21° 2	12°53	11° 4	12°29	2° 5	24°48	M 4
T 5	5 21 50	20° 9'41	17°56	28°13	26° 9	16°54	1°29	16°32	5°27	21° 4	12°51	11° 0	12°26	2°11	24°48	T 5
W 6	5 25 47	21°10'52	2♏26	29°10	27°25	16°59	1°42	16°38	5°25	21° 5	12°50	10°55	12°22	2°18	24°48	W 6
T 7	5 29 43	22°12'04	17°18	0♐10	28°40	17° 2	1°56	16°44	5°22	21° 6	12°49	10°48	12°19	2°25	24°49	T 7
F 8	5 33 40	23°13'17	2♐26	1°13	29°56	17° 5	2°10	16°50	5°20	21° 8	12°48	10°40	12°16	2°32	24°49	F 8
S 9	5 37 36	24°14'30	17°40	2°20	1♑11	17° 7	2°24	16°57	5°18	21° 9	12°47	10°33	12°13	2°38	24°50	S 9
S 10	5 41 33	25°15'44	2♑51	3°29	2°26	17° 8	2°38	17° 3	5°15	21°11	12°45	10°27	12°10	2°45	24°50	S 10
M11	5 45 29	26°16'57	17°46	4°41	3°42	17°R 9	2°52	17° 9	5°13	21°12	12°44	10°23	12° 7	2°52	24°51	M11
T 12	5 49 26	27°18'10	2♒19	5°54	4°57	17° 9	3° 6	17°15	5°10	21°13	12°43	10°21	12° 3	2°58	24°52	T 12
W13	5 53 23	28°19'23	16°26	7°10	6°13	17° 8	3°20	17°21	5° 8	21°15	12°42	10°D20	12° 0	3° 5	24°53	W13
T 14	5 57 19	29°20'36	0♓ 3	8°27	7°28	17° 6	3°34	17°27	5° 6	21°17	12°40	10°22	11°57	3°12	24°53	T 14
F 15	6 1 16	0♑21'49	13°14	9°46	8°44	17° 3	3°48	17°33	5° 4	21°18	12°39	10°23	11°54	3°19	24°54	F 15
S 16	6 5 12	1°23'01	26° 0	11° 6	9°59	17° 0	4° 2	17°38	5° 1	21°20	12°38	10°R24	11°51	3°25	24°55	S 16
S 17	6 9 9	2°24'13	8♈26	12°27	11°14	16°56	4°16	17°44	4°59	21°21	12°37	10°24	11°48	3°32	24°56	S 17
M18	6 13 5	3°25'24	20°38	13°49	12°30	16°51	4°30	17°50	4°57	21°23	12°35	10°22	11°44	3°39	24°57	M18
T 19	6 17 2	4°26'35	2♉38	15°12	13°45	16°45	4°44	17°55	4°55	21°25	12°34	10°19	11°41	3°45	24°58	T 19
W20	6 20 58	5°27'46	14°32	16°36	15° 1	16°38	4°58	18° 1	4°53	21°26	12°33	10°14	11°38	3°52	24°59	W20
T 21	6 24 55	6°28'56	26°23	18° 1	16°16	16°31	5°12	18° 7	4°51	21°28	12°31	10° 8	11°35	3°59	25° 1	T 21
F 22	6 28 52	7°30'06	8♊15	19°27	17°31	16°23	5°26	18°12	4°49	21°30	12°30	10° 2	11°32	4° 6	25° 2	F 22
S 23	6 32 48	8°31'15	20° 9	20°53	18°47	16°14	5°39	18°17	4°47	21°32	12°29	9°56	11°28	4°12	25° 3	S 23
S 24	6 36 45	9°32'24	2♋ 8	22°20	20° 2	16° 4	5°53	18°23	4°45	21°33	12°27	9°50	11°25	4°19	25° 5	S 24
M25	6 40 41	10°33'33	14°14	23°48	21°17	15°53	6° 7	18°28	4°43	21°35	12°26	9°46	11°22	4°26	25° 6	M25
T 26	6 44 38	11°34'41	26°27	25°17	22°32	15°42	6°21	18°33	4°41	21°37	12°25	9°44	11°19	4°32	25° 7	T 26
W27	6 48 34	12°35'49	8♌49	26°46	23°48	15°30	6°35	18°38	4°39	21°39	12°24	9°D43	11°16	4°39	25° 9	W27
T 28	6 52 31	13°36'56	21°21	28°15	25° 3	15°17	6°49	18°43	4°37	21°41	12°22	9°44	11°13	4°46	25°11	T 28
F 29	6 56 27	14°38'03	4♍ 6	29°45	26°18	15° 3	7° 3	18°48	4°35	21°43	12°21	9°45	11° 9	4°53	25°12	F 29
S 30	7 0 24	15°39'09	17° 5	1♑16	27°33	14°48	7°17	18°53	4°34	21°45	12°20	9°47	11° 6	4°59	25°14	S 30
S 31	7 4 21	16♑40'15	0♎21	2♑48	28♑49	14♌33	7♑31	18♏58	4♊32	21♒47	12♋18	9♒48	11♒ 3	5♊ 6	25♓16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s49	12n23	1s10	16s33	2n42	23s42	0s28	18n46	2n57	23s34	0s 1	14s45	2n 4	21n17	0s 3	15s 9	0s37	23n50	0n55	17s32	17s 5	25n22	1n 7	3n29
S 2	22 55	6 51	2 15	16 46	2 37	23 49	0 30	18 46	2 59	23 34	0 1	14 46	2 4	21 17	0 3	15 9	0 37	23 50	0 55	17 32	17 6	25 23	1 6	3 28
S 3	23 1	0 53	3 15	17 1	2 32	23 56	0 32	18 46	3 1	23 34	0 1	14 48	2 4	21 16	0 3	15 8	0 37	23 50	0 55	17 32	17 7	25 24	1 6	3 28
M 4	23 6	5s18	4 5	17 18	2 26	24 1	0 34	18 47	3 4	23 34	0 2	14 50	2 5	21 16	0 3	15 8	0 37	23 50	0 55	17 32	17 8	25 25	1 6	3 28
T 5	23 11	11 25	4 43	17 36	2 19	24 6	0 37	18 48	3 6	23 34	0 2	14 52	2 5	21 15	0 3	15 7	0 37	23 50	0 55	17 33	17 9	25 26	1 6	3 28
W 6	23 15	17 7	5 4	17 55	2 12	24 10	0 39	18 49	3 8	23 34	0 2	14 53	2 5	21 15	0 3	15 7	0 37	23 51	0 55	17 34	17 10	25 27	1 6	3 27
T 7	23 19	21 57	5 5	18 15	2 5	24 13	0 41	18 50	3 11	23 34	0 2	14 55	2 5	21 15	0 3	15 7	0 37	23 51	0 55	17 36	17 11	25 28	1 6	3 27
F 8	23 22	25 24	4 46	18 35	1 57	24 16	0 43	18 51	3 13	23 34	0 2	14 57	2 5	21 14	0 3	15 6	0 37	23 51	0 56	17 38	17 12	25 29	1 6	3 27
S 9	23 25	27 3	4 6	18 56	1 49	24 18	0 45	18 53	3 16	23 33	0 2	14 59	2 5	21 14	0 3	15 6	0 37	23 51	0 56	17 40	17 13	25 30	1 6	3 27
S 10	23 28	26 39	3 8	19 18	1 41	24 19	0 47	18 55	3 18	23 33	0 2	15 0	2 5	21 13	0 3	15 5	0 37	23 51	0 56	17 42	17 13	25 31	1 6	3 26
M11	23 30	24 20	1 59	19 39	1 33	24 19	0 49	18 57	3 21	23 33	0 2	15 2	2 5	21 13	0 3	15 5	0 37	23 51	0 56	17 43	17 14	25 33	1 6	3 26
T 12	23 31	20 26	0 43	20 0	1 25	24 18	0 51	18 59	3 23	23 33	0 2	15 3	2 5	21 13	0 3	15 4	0 37	23 52	0 56	17 44	17 15	25 34	1 6	3 26
W13	23 32	15 28	0n33	20 21	1 16	24 17	0 53	19 2	3 26	23 33	0 2	15 5	2 5	21 12	0 3	15 4	0 37	23 52	0 56	17 44	17 16	25 35	1 6	3 26
T 14	23 33	9 52	1 45	20 41	1 8	24 15	0 55	19 5	3 28	23 32	0 2	15 7	2 5	21 12	0 3	15 3	0 37	23 52	0 56	17 43	17 17	25 36	1 6	3 25
F 15	23 33	4 1	2 49	21 2	1 0	24 13	0 57	19 8	3 31	23 32	0 3	15 8	2 5	21 11	0 3	15 3	0 37	23 52	0 56	17 43	17 18	25 37	1 6	3 25
S 16	23 32	1n48	3 42	21 21	0 52	24 9	0 59	19 11	3 33	23 32	0 3	15 10	2 6	21 11	0 3	15 2	0 37	23 52	0 56	17 43	17 19	25 38	1 6	3 25
S 17	23 31	7 24	4 24	21 40	0 44	24 5	1 1	19 15	3 36	23 31	0 3	15 11	2 6	21 11	0 3	15 2	0 37	23 53	0 56	17 43	17 20	25 39	1 6	3 25
M18	23 30	12 36	4 53	21 58	0 35	24 0	1 3	19 19	3 38	23 31	0 3	15 13	2 6	21 10	0 3	15 1	0 37	23 53	0 56	17 43	17 21	25 40	1 7	3 24
T 19	23 28	17 15	5 8	22 16	0 27	23 54	1 4	19 23	3 40	23 31	0 3	15 14	2 6	21 10	0 3	15 1	0 37	23 53	0 56	17 44	17 21	25 41	1 7	3 24
W20	23 26	21 12	5 10	22 33	0 20	23 47	1 6	19 27	3 43	23 30	0 3	15 15	2 6	21 9	0 3	15 0	0 37	23 53	0 56	17 45	17 22	25 42	1 7	3 24
T 21	23 23	24 16	4 59	22 49	0 12	23 40	1 8	19 32	3 45	23 30	0 3	15 17	2 6	21 9	0 3	14 59	0 37	23 53	0 56	17 47	17 23	25 43	1 7	3 24
F 22	23 20	26 18	4 34	23 3	0 4	23 32	1 9	19 37	3 48	23 29	0 3	15 18	2 6	21 9	0 3	14 59	0 37	23 54	0 57	17 49	17 24	25 44	1 8	3 23
S 23	23 16	27 8	3 58	23 17	0s 4	23 24	1 11	19 42	3 50	23 29	0 3	15 20	2 6	21 8	0 3	14 58	0 37	23 54	0 57	17 50	17 25	25 45	1 8	3 23
S 24	23 12	26 43	3 11	23 30	0 11	23 14	1 12	19 47	3 52	23 28	0 3	15 21	2 6	21 8	0 3	14 58	0 37	23 54	0 57	17 52	17 26	25 45	1 8	3 23
M25	23 7	25 1	2 15	23 42	0 18	23 4	1 14	19 52	3 55	23 28	0 4	15 22	2 7	21 8	0 3	14 57	0 37	23 54	0 57	17 53	17 27	25 46	1 9	3 23
T 26	23 2	22 8	1 12	23 53	0 25	22 53	1 15	19 58	3 57	23 27	0 4	15 24	2 7	21 7	0 3	14 57	0 37	23 54	0 57	17 53	17 28	25 47	1 9	3 22
W27	22 57	18 13	0 5	24 3	0 32	22 42	1 17	20 4	3 59	23 27	0 4	15 25	2 7	21 7	0 3	14 56	0 37	23 55	0 57	17 54	17 28	25 48	1 9	3 22
T 28	22 51	13 27	1s 3	24 11	0 39	22 30	1 18	20 10	4 1	23 26	0 4	15 26	2 7	21 7	0 3	14 55	0 37	23 55	0 57	17 54	17 29	25 49	1 10	3 22
F 29	22 44	8 2	2 10	24 18	0 46	22 17	1 19	20 16	4 3	23 25	0 4	15 27	2 7	21 6	0 3	14 55	0 37	23 55	0 57	17 53	17 30	25 50	1 10	3 22
S 30	22 37	2 11	3 11	24 24	0 52	22 3	1 20	20 22	4 6	23 25	0 4	15 29	2 7	21 6	0 3	14 54	0 37	23 55	0 57	17 53	17 31	25 51	1 11	3 22
S 31	22s30	3s52	4s 4	24s29	0s58	21s49	1s21	20n29	4n 8	23s24	0s 4	15s30	2n 7	21n 6	0s 3	14s53	0s37	23n55	0n57	17s52	17s32	25n52	1n11	3n21

Julian Day Number = 2155674.5, Delta T = 13m43s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'42, Lahiri = 12°33'42 Julian Calendar 1 Dec. 1189 == Greg. Calendar 8 Dec. 1189

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

JANUARY 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 8 17	17♉41'21	13♎55	4♉20	0♒ 4	14°R17	7♉45	19♏ 3	4°R30	21♒49	12°R17	9°R49	11♒ 0	5♊13	25♓17	M 1
T 2	7 12 14	18°42'26	27°48	5°52	1°19	14♌ 0	7°59	19° 8	4♊29	21°50	12♋16	9♒49	10°57	5°19	25°19	T 2
W 3	7 16 10	19°43'31	12♏ 1	7°25	2°34	13°43	8°13	19°12	4°27	21°52	12°14	9°48	10°54	5°26	25°21	W 3
T 4	7 20 7	20°44'35	26°31	8°59	3°50	13°25	8°27	19°17	4°25	21°54	12°13	9°46	10°50	5°33	25°23	T 4
F 5	7 24 3	21°45'39	11♐15	10°33	5° 5	13° 6	8°40	19°21	4°24	21°56	12°12	9°43	10°47	5°40	25°25	F 5
S 6	7 28 0	22°46'43	26° 5	12° 8	6°20	12°47	8°54	19°26	4°22	21°59	12°11	9°41	10°44	5°46	25°27	S 6
S 7	7 31 57	23°47'45	10♑56	13°44	7°35	12°27	9° 8	19°30	4°21	22° 1	12° 9	9°39	10°41	5°53	25°29	S 7
M 8	7 35 53	24°48'47	25°38	15°20	8°50	12° 7	9°22	19°34	4°20	22° 3	12° 8	9°38	10°38	6° 0	25°31	M 8
T 9	7 39 50	25°49'48	10♒ 5	16°57	10° 5	11°46	9°36	19°39	4°18	22° 5	12° 7	9°D37	10°34	6° 6	25°33	T 9
W10	7 43 46	26°50'48	24°12	18°34	11°21	11°24	9°49	19°43	4°17	22° 7	12° 6	9°38	10°31	6°13	25°35	W10
T 11	7 47 43	27°51'46	7♓54	20°12	12°36	11° 2	10° 3	19°47	4°16	22° 9	12° 4	9°39	10°28	6°20	25°38	T 11
F 12	7 51 39	28°52'43	21°11	21°51	13°51	10°40	10°17	19°51	4°15	22°11	12° 3	9°40	10°25	6°27	25°40	F 12
S 13	7 55 36	29°53'39	4♈ 4	23°30	15° 6	10°17	10°30	19°55	4°13	22°13	12° 2	9°41	10°22	6°33	25°42	S 13
S 14	7 59 32	0♒54'34	16°37	25°10	16°21	9°54	10°44	19°58	4°12	22°15	12° 1	9°41	10°19	6°40	25°45	S 14
M15	8 3 29	1°55'27	28°52	26°51	17°36	9°31	10°57	20° 2	4°11	22°18	11°59	9°R42	10°15	6°47	25°47	M15
T 16	8 7 26	2°56'19	10♉55	28°33	18°51	9° 7	11°11	20° 6	4°10	22°20	11°58	9°41	10°12	6°53	25°49	T 16
W17	8 11 22	3°57'09	22°49	0♒15	20° 6	8°44	11°24	20° 9	4° 9	22°22	11°57	9°41	10° 9	7° 0	25°52	W17
T 18	8 15 19	4°57'58	4♊40	1°58	21°21	8°20	11°38	20°13	4° 8	22°24	11°56	9°41	10° 6	7° 7	25°54	T 18
F 19	8 19 15	5°58'45	16°32	3°42	22°36	7°56	11°51	20°16	4° 8	22°26	11°55	9°40	10° 3	7°14	25°57	F 19
S 20	8 23 12	6°59'31	28°29	5°27	23°51	7°32	12° 5	20°19	4° 7	22°28	11°53	9°40	10° 0	7°20	26° 0	S 20
S 21	8 27 8	8° 0'15	10♋33	7°12	25° 5	7° 8	12°18	20°22	4° 6	22°31	11°52	9°39	9°56	7°27	26° 2	S 21
M22	8 31 5	9° 0'58	22°48	8°59	26°20	6°44	12°31	20°25	4° 5	22°33	11°51	9°39	9°53	7°34	26° 5	M22
T 23	8 35 1	10° 1'39	5♌15	10°46	27°35	6°20	12°44	20°28	4° 5	22°35	11°50	9°39	9°50	7°40	26° 8	T 23
W24	8 38 58	11° 2'19	17°55	12°33	28°50	5°56	12°58	20°31	4° 4	22°37	11°49	9°39	9°47	7°47	26°10	W24
T 25	8 42 55	12° 2'57	0♍48	14°22	0♓ 5	5°33	13°11	20°34	4° 4	22°40	11°48	9°39	9°44	7°54	26°13	T 25
F 26	8 46 51	13° 3'34	13°56	16°11	1°19	5°10	13°24	20°37	4° 3	22°42	11°47	9°39	9°40	8° 0	26°16	F 26
S 27	8 50 48	14° 4'10	27°17	18° 1	2°34	4°47	13°37	20°39	4° 3	22°44	11°46	9°38	9°37	8° 7	26°19	S 27
S 28	8 54 44	15° 4'44	10♎50	19°51	3°49	4°24	13°50	20°42	4° 2	22°46	11°44	9°38	9°34	8°14	26°22	S 28
M29	8 58 41	16° 5'17	24°35	21°42	5° 4	4° 1	14° 3	20°44	4° 2	22°49	11°43	9°37	9°31	8°21	26°25	M29
T 30	9 2 37	17° 5'49	8♏32	23°33	6°18	3°39	14°16	20°47	4° 2	22°51	11°42	9°37	9°28	8°27	26°28	T 30
W31	9 6 34	18♒ 6'19	22♏38	25♒25	7♓33	3♌18	14♉29	20♏49	4♊ 1	22♒53	11♋41	9°D37	9♒25	8♊34	26♓31	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s22	9s52	4s44	24s32	1s 4	21s34	1s22	20n36	4n10	23s23	0s 4	15s31	2n 8	21n 5	0s 3	14s53	0s37	23n55	0n57	17s52	17s33	25n53	1n12	3n21
T 2	22 14	15 32	5 8	24 35	1 10	21 19	1 23	20 42	4 12	23 23	0 4	15 32	2 8	21 5	0 3	14 52	0 37	23 56	0 57	17 52	17 34	25 54	1 12	3 21
W 3	22 5	20 30	5 15	24 35	1 15	21 3	1 24	20 49	4 14	23 22	0 4	15 33	2 8	21 5	0 3	14 52	0 37	23 56	0 57	17 53	17 35	25 55	1 13	3 21
T 4	21 56	24 21	5 2	24 35	1 20	20 46	1 25	20 56	4 15	23 21	0 5	15 34	2 8	21 5	0 3	14 51	0 37	23 56	0 57	17 53	17 35	25 55	1 13	3 20
F 5	21 47	26 40	4 29	24 33	1 25	20 28	1 26	21 4	4 17	23 20	0 5	15 35	2 8	21 4	0 3	14 50	0 37	23 56	0 57	17 54	17 36	25 56	1 14	3 20
S 6	21 37	27 7	3 38	24 29	1 30	20 11	1 27	21 11	4 19	23 20	0 5	15 36	2 8	21 4	0 3	14 50	0 37	23 56	0 58	17 54	17 37	25 57	1 14	3 20
S 7	21 26	25 37	2 32	24 24	1 35	19 52	1 28	21 18	4 20	23 19	0 5	15 38	2 8	21 4	0 3	14 49	0 37	23 57	0 58	17 55	17 38	25 58	1 15	3 20
M 8	21 16	22 22	1 17	24 18	1 39	19 33	1 28	21 25	4 22	23 18	0 5	15 39	2 9	21 4	0 3	14 48	0 37	23 57	0 58	17 55	17 39	25 59	1 16	3 19
T 9	21 4	17 45	0n 3	24 10	1 43	19 13	1 29	21 33	4 23	23 17	0 5	15 39	2 9	21 3	0 3	14 48	0 37	23 57	0 58	17 55	17 40	26 0	1 16	3 19
W10	20 53	12 16	1 20	24 1	1 46	18 53	1 29	21 40	4 25	23 16	0 5	15 40	2 9	21 3	0 3	14 47	0 37	23 57	0 58	17 55	17 41	26 1	1 17	3 19
T 11	20 41	6 19	2 30	23 50	1 50	18 32	1 30	21 48	4 26	23 15	0 5	15 41	2 9	21 3	0 3	14 46	0 37	23 57	0 58	17 55	17 42	26 1	1 18	3 19
F 12	20 29	0 17	3 30	23 37	1 53	18 11	1 30	21 55	4 27	23 14	0 5	15 42	2 9	21 3	0 3	14 46	0 37	23 57	0 58	17 55	17 42	26 2	1 18	3 19
S 13	20 16	5n34	4 18	23 23	1 55	17 49	1 30	22 2	4 28	23 13	0 6	15 43	2 9	21 2	0 3	14 45	0 37	23 58	0 58	17 54	17 43	26 3	1 19	3 18
S 14	20 3	11 2	4 52	23 7	1 58	17 27	1 31	22 10	4 29	23 12	0 6	15 44	2 10	21 2	0 3	14 44	0 37	23 58	0 58	17 54	17 44	26 4	1 20	3 18
M15	19 49	15 58	5 11	22 50	2 0	17 4	1 31	22 17	4 30	23 11	0 6	15 45	2 10	21 2	0 3	14 43	0 37	23 58	0 58	17 54	17 45	26 5	1 21	3 18
T 16	19 35	20 10	5 17	22 31	2 1	16 41	1 31	22 24	4 31	23 10	0 6	15 46	2 10	21 2	0 3	14 43	0 37	23 58	0 58	17 54	17 46	26 5	1 21	3 18
W17	19 21	23 32	5 9	22 11	2 3	16 17	1 31	22 31	4 31	23 9	0 6	15 46	2 10	21 2	0 3	14 42	0 37	23 58	0 58	17 54	17 47	26 6	1 22	3 18
T 18	19 7	25 52	4 47	21 49	2 3	15 53	1 31	22 38	4 32	23 8	0 6	15 47	2 10	21 2	0 3	14 41	0 37	23 58	0 58	17 54	17 48	26 7	1 23	3 17
F 19	18 52	27 4	4 14	21 25	2 4	15 29	1 31	22 45	4 32	23 7	0 6	15 48	2 10	21 1	0 3	14 41	0 37	23 59	0 58	17 55	17 48	26 8	1 24	3 17
S 20	18 36	27 1	3 29	20 59	2 4	15 4	1 31	22 51	4 33	23 6	0 6	15 49	2 11	21 1	0 3	14 40	0 37	23 59	0 58	17 55	17 49	26 8	1 25	3 17
S 21	18 21	25 42	2 35	20 32	2 3	14 38	1 31	22 58	4 33	23 5	0 6	15 49	2 11	21 1	0 3	14 39	0 37	23 59	0 58	17 55	17 50	26 9	1 26	3 17
M22	18 5	23 7	1 32	20 4	2 2	14 12	1 30	23 4	4 33	23 4	0 6	15 50	2 11	21 1	0 3	14 38	0 37	23 59	0 58	17 55	17 51	26 10	1 27	3 17
T 23	17 49	19 26	0 24	19 33	2 1	13 46	1 30	23 10	4 33	23 3	0 7	15 50	2 11	21 1	0 3	14 38	0 37	23 59	0 58	17 55	17 52	26 11	1 27	3 16
W24	17 32	14 48	0s46	19 1	1 59	13 20	1 29	23 16	4 33	23 1	0 7	15 51	2 11	21 1	0 3	14 37	0 37	23 59	0 59	17 55	17 53	26 11	1 28	3 16
T 25	17 15	9 27	1 55	18 27	1 57	12 53	1 29	23 22	4 32	23 0	0 7	15 52	2 11	21 1	0 3	14 36	0 37	24 0	0 59	17 55	17 54	26 12	1 29	3 16
F 26	16 58	3 36	2 59	17 52	1 54	12 26	1 28	23 27	4 32	22 59	0 7	15 52	2 12	21 1	0 3	14 35	0 37	24 0	0 59	17 55	17 54	26 13	1 30	3 16
S 27	16 41	2s30	3 55	17 15	1 50	11 58	1 28	23 33	4 32	22 58	0 7	15 53	2 12	21 1	0 2	14 35	0 37	24 0	0 59	17 55	17 55	26 13	1 31	3 16
S 28	16 23	8 34	4 38	16 36	1 46	11 30	1 27	23 38	4 31	22 57	0 7	15 53	2 12	21 1	0 2	14 34	0 37	24 0	0 59	17 55	17 56	26 14	1 32	3 16
M29	16 5	14 18	5 6	15 56	1 42	11 2	1 26	23 43	4 30	22 55	0 7	15 54	2 12	21 0	0 2	14 33	0 37	24 0	0 59	17 55	17 57	26 15	1 33	3 15
T 30	15 47	19 24	5 17	15 15	1 36	10 34	1 25	23 47	4 30	22 54	0 7	15 54	2 12	21 0	0 2	14 33	0 37	24 0	0 59	17 55	17 58	26 15	1 34	3 15
W31	15s28	23s29	5s 9	14s31	1s30	10s 5	1s25	23n52	4n29	22s53	0s 7	15s54	2n12	21n 0	0s 2	14s32	0s37	24n 0	0n59	17s55	17s59	26n16	1n35	3n15

Julian Day Number = 2155705.5, Delta T = 13m43s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'46, Lahiri = 12°33'46 Julian Calendar 1 Jan. 1190 == Greg. Calendar 8 Jan. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

FEBRUARY 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 30	19♒ 6'48	6♐52	27♒17	8♓47	2°R56	14♑41	20♏51	4°R 1	22♒55	11°R40	9♒37	9♒21	8♊41	26♓34	T 1
F 2	9 14 27	20° 7'16	21°12	29° 9	10° 2	2♌36	14°54	20°53	4♊ 1	22°58	11♋39	9°38	9°18	8°47	26°37	F 2
S 3	9 18 24	21° 7'43	5♑35	1♓ 1	11°16	2°16	15° 7	20°55	4° 1	23° 0	11°38	9°39	9°15	8°54	26°40	S 3
S 4	9 22 20	22° 8'08	19°56	2°52	12°31	1°56	15°19	20°57	4°D 1	23° 2	11°37	9°40	9°12	9° 1	26°43	S 4
M 5	9 26 17	23° 8'32	4♒11	4°42	13°46	1°37	15°32	20°58	4° 1	23° 5	11°37	9°R40	9° 9	9° 8	26°46	M 5
T 6	9 30 13	24° 8'53	18°17	6°32	15° 0	1°19	15°44	21° 0	4° 1	23° 7	11°36	9°40	9° 6	9°14	26°49	T 6
W 7	9 34 10	25° 9'13	2♓ 8	8°20	16°14	1° 1	15°57	21° 2	4° 1	23° 9	11°35	9°39	9° 2	9°21	26°52	W 7
T 8	9 38 6	26° 9'31	15°42	10° 6	17°29	0°44	16° 9	21° 3	4° 1	23°11	11°34	9°37	8°59	9°28	26°55	T 8
F 9	9 42 3	27° 9'48	28°56	11°50	18°43	0°27	16°21	21° 4	4° 2	23°14	11°33	9°35	8°56	9°34	26°59	F 9
S 10	9 45 59	28°10'02	11♈50	13°32	19°57	0°12	16°34	21° 6	4° 2	23°16	11°32	9°32	8°53	9°41	27° 2	S 10
S 11	9 49 56	29°10'14	24°24	15°10	21°12	29♋57	16°46	21° 7	4° 2	23°18	11°31	9°29	8°50	9°48	27° 5	S 11
M12	9 53 53	0♓10'24	6♉43	16°45	22°26	29°42	16°58	21° 8	4° 3	23°20	11°30	9°27	8°46	9°54	27° 9	M12
T 13	9 57 49	1°10'32	18°47	18°15	23°40	29°29	17°10	21° 9	4° 3	23°23	11°30	9°25	8°43	10° 1	27°12	T 13
W14	10 1 46	2°10'38	0♊43	19°40	24°54	29°16	17°22	21°10	4° 4	23°25	11°29	9°D25	8°40	10° 8	27°15	W14
T 15	10 5 42	3°10'42	12°35	21° 0	26° 9	29° 4	17°33	21°10	4° 4	23°27	11°28	9°25	8°37	10°15	27°19	T 15
F 16	10 9 39	4°10'44	24°27	22°13	27°23	28°53	17°45	21°11	4° 5	23°30	11°27	9°26	8°34	10°21	27°22	F 16
S 17	10 13 35	5°10'43	6♋25	23°20	28°37	28°43	17°57	21°12	4° 6	23°32	11°27	9°28	8°31	10°28	27°25	S 17
S 18	10 17 32	6°10'41	18°32	24°21	29°51	28°33	18° 8	21°12	4° 6	23°34	11°26	9°30	8°27	10°35	27°29	S 18
M19	10 21 28	7°10'36	0♌53	25°13	1♈ 5	28°24	18°20	21°12	4° 7	23°36	11°25	9°31	8°24	10°41	27°32	M19
T 20	10 25 25	8°10'29	13°31	25°58	2°19	28°16	18°31	21°13	4° 8	23°38	11°25	9°R31	8°21	10°48	27°36	T 20
W21	10 29 22	9°10'19	26°27	26°34	3°33	28° 9	18°43	21°13	4° 9	23°41	11°24	9°30	8°18	10°55	27°39	W21
T 22	10 33 18	10°10'08	9♍43	27° 2	4°46	28° 3	18°54	21°R13	4°10	23°43	11°24	9°27	8°15	11° 1	27°43	T 22
F 23	10 37 15	11° 9'55	23°16	27°22	6° 0	27°57	19° 5	21°13	4°11	23°45	11°23	9°23	8°12	11° 8	27°46	F 23
S 24	10 41 11	12° 9'40	7♎ 4	27°32	7°14	27°52	19°16	21°12	4°12	23°47	11°22	9°18	8° 8	11°15	27°50	S 24
S 25	10 45 8	13° 9'22	21° 5	27°R35	8°28	27°48	19°27	21°12	4°13	23°49	11°22	9°13	8° 5	11°22	27°53	S 25
M26	10 49 4	14° 9'03	5♏14	27°29	9°41	27°45	19°38	21°12	4°14	23°52	11°21	9° 8	8° 2	11°28	27°57	M26
T 27	10 53 1	15° 8'43	19°27	27°14	10°55	27°42	19°48	21°11	4°15	23°54	11°21	9° 4	7°59	11°35	28° 0	T 27
W28	10 56 57	16♓ 8'20	3♐40	26♓53	12♈ 8	27♋41	19♑59	21♏11	4♊17	23♒56	11♋20	9♒ 2	7♒56	11♊42	28♓ 4	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s10	26s11	4s42	13s47	1s24	9s36	1s24	23n56	4n28	22s51	0s 8	15s55	2n13	21n 0	0s 2	14s31	0s37	24n 1	0n59	17s55	18s 0	26n17	1n36	3n15
F 2	14 50	27 12	3 57	13 1	1 17	9 7	1 23	24 0	4 27	22 50	0 8	15 55	2 13	21 0	0 2	14 30	0 37	24 1	0 59	17 55	18 0	26 17	1 37	3 15
S 3	14 31	26 23	2 58	12 14	1 9	8 37	1 21	24 3	4 26	22 49	0 8	15 56	2 13	21 0	0 2	14 30	0 37	24 1	0 59	17 55	18 1	26 18	1 38	3 15
S 4	14 12	23 50	1 47	11 26	1 0	8 8	1 20	24 7	4 25	22 48	0 8	15 56	2 13	21 0	0 2	14 29	0 37	24 1	0 59	17 55	18 2	26 19	1 40	3 14
M 5	13 52	19 47	0 30	10 37	0 51	7 38	1 19	24 10	4 23	22 46	0 8	15 56	2 13	21 0	0 2	14 28	0 37	24 1	0 59	17 55	18 3	26 19	1 41	3 14
T 6	13 32	14 40	0n47	9 48	0 41	7 8	1 18	24 13	4 22	22 45	0 8	15 56	2 14	21 0	0 2	14 27	0 37	24 1	0 59	17 55	18 4	26 20	1 42	3 14
W 7	13 12	8 53	2 1	8 58	0 31	6 37	1 16	24 15	4 20	22 44	0 8	15 57	2 14	21 0	0 2	14 27	0 37	24 1	0 59	17 55	18 5	26 21	1 43	3 14
T 8	12 51	2 48	3 6	8 7	0 20	6 7	1 15	24 18	4 19	22 42	0 8	15 57	2 14	21 1	0 2	14 26	0 37	24 2	0 59	17 55	18 5	26 21	1 44	3 14
F 9	12 31	3n14	3 59	7 17	0 8	5 36	1 13	24 20	4 17	22 41	0 9	15 57	2 14	21 1	0 2	14 25	0 37	24 2	0 59	17 56	18 6	26 22	1 45	3 14
S 10	12 10	8 58	4 39	6 26	0n 4	5 6	1 12	24 22	4 16	22 39	0 9	15 57	2 14	21 1	0 2	14 24	0 37	24 2	0 59	17 57	18 7	26 22	1 46	3 14
S 11	11 49	14 12	5 4	5 36	0 17	4 35	1 10	24 23	4 14	22 38	0 9	15 57	2 15	21 1	0 2	14 24	0 37	24 2	0 59	17 57	18 8	26 23	1 48	3 13
M12	11 28	18 45	5 15	4 48	0 30	4 4	1 9	24 25	4 12	22 37	0 9	15 57	2 15	21 1	0 2	14 23	0 37	24 2	1 0	17 58	18 9	26 24	1 49	3 13
T 13	11 6	22 28	5 11	4 0	0 44	3 33	1 7	24 26	4 11	22 35	0 9	15 57	2 15	21 1	0 2	14 22	0 37	24 2	1 0	17 58	18 10	26 24	1 50	3 13
W14	10 45	25 10	4 54	3 14	0 58	3 2	1 5	24 27	4 9	22 34	0 9	15 57	2 15	21 1	0 2	14 21	0 37	24 2	1 0	17 59	18 10	26 25	1 51	3 13
T 15	10 23	26 46	4 24	2 29	1 12	2 30	1 3	24 27	4 7	22 32	0 9	15 57	2 15	21 1	0 2	14 21	0 37	24 2	1 0	17 59	18 11	26 25	1 52	3 13
F 16	10 1	27 8	3 43	1 47	1 26	1 59	1 1	24 28	4 5	22 31	0 9	15 57	2 15	21 1	0 2	14 20	0 37	24 2	1 0	17 58	18 12	26 26	1 54	3 13
S 17	9 39	26 15	2 52	1 8	1 40	1 28	0 59	24 28	4 3	22 30	0 9	15 57	2 16	21 1	0 2	14 19	0 37	24 3	1 0	17 58	18 13	26 26	1 55	3 13
S 18	9 17	24 7	1 53	0 31	1 54	0 56	0 57	24 28	4 1	22 28	0 10	15 57	2 16	21 2	0 2	14 19	0 37	24 3	1 0	17 57	18 14	26 27	1 56	3 13
M19	8 55	20 49	0 47	0n 3	2 8	0 25	0 55	24 28	3 59	22 27	0 10	15 57	2 16	21 2	0 2	14 18	0 37	24 3	1 0	17 57	18 15	26 27	1 57	3 12
T 20	8 32	16 29	0s22	0 32	2 21	0n 7	0 53	24 28	3 57	22 25	0 10	15 57	2 16	21 2	0 2	14 17	0 37	24 3	1 0	17 57	18 15	26 28	1 59	3 12
W21	8 10	11 19	1 31	0 59	2 33	0 38	0 51	24 27	3 55	22 24	0 10	15 57	2 16	21 2	0 2	14 16	0 37	24 3	1 0	17 57	18 16	26 28	2 0	3 12
T 22	7 47	5 32	2 38	1 21	2 45	1 10	0 49	24 26	3 53	22 22	0 10	15 57	2 17	21 2	0 2	14 16	0 37	24 3	1 0	17 58	18 17	26 29	2 1	3 12
F 23	7 25	0s37	3 36	1 39	2 56	1 41	0 46	24 25	3 50	22 21	0 10	15 57	2 17	21 2	0 2	14 15	0 37	24 3	1 0	17 59	18 18	26 29	2 2	3 12
S 24	7 2	6 51	4 24	1 52	3 6	2 13	0 44	24 24	3 48	22 20	0 10	15 56	2 17	21 3	0 2	14 14	0 37	24 3	1 0	18 0	18 19	26 30	2 4	3 12
S 25	6 39	12 49	4 56	2 1	3 15	2 44	0 42	24 23	3 46	22 18	0 11	15 56	2 17	21 3	0 2	14 13	0 37	24 3	1 0	18 2	18 20	26 30	2 5	3 12
M26	6 16	18 11	5 10	2 5	3 23	3 15	0 39	24 22	3 44	22 17	0 11	15 56	2 17	21 3	0 2	14 13	0 37	24 3	1 0	18 3	18 20	26 31	2 6	3 12
T 27	5 53	22 34	5 6	2 5	3 28	3 47	0 37	24 20	3 42	22 15	0 11	15 55	2 18	21 3	0 2	14 12	0 37	24 3	1 0	18 4	18 21	26 31	2 8	3 12
W28	5s30	25s36	4s43	2n 0	3n33	4n18	0s34	24n18	3n40	22s14	0s11	15s55	2n18	21n 4	0s 2	14s11	0s37	24n 4	1n 0	18s 5	18s22	26n32	2n 9	3n11

Julian Day Number = 2155736.5, Delta T = 13m43s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'50, Lahiri = 12°33'51 Julian Calendar 1 Feb. 1190 == Greg. Calendar 8 Feb. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

MARCH 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 0 54	17♓ 7'56	17♐52	26°R24	13♈22	27°R40	20♑10	21°R10	4♊18	23♒58	11°R20	9°D 1	7♒52	11♊48	28♓ 7	T 1
F 2	11 4 50	18° 7'30	1♑59	25♓49	14°36	27°D39	20°20	21♏ 9	4°19	24° 0	11♋20	9♒ 2	7°49	11°55	28°11	F 2
S 3	11 8 47	19° 7'03	16° 1	25° 8	15°49	27♋40	20°31	21° 8	4°21	24° 2	11°19	9° 3	7°46	12° 2	28°14	S 3
S 4	11 12 44	20° 6'33	29°56	24°23	17° 2	27°41	20°41	21° 7	4°22	24° 4	11°19	9° 4	7°43	12° 8	28°18	S 4
M 5	11 16 40	21° 6'02	13♒43	23°35	18°16	27°43	20°51	21° 6	4°24	24° 7	11°18	9°R 5	7°40	12°15	28°22	M 5
T 6	11 20 37	22° 5'29	27°22	22°44	19°29	27°45	21° 1	21° 5	4°25	24° 9	11°18	9° 3	7°37	12°22	28°25	T 6
W 7	11 24 33	23° 4'53	10♓49	21°51	20°42	27°48	21°11	21° 4	4°27	24°11	11°18	9° 0	7°33	12°29	28°29	W 7
T 8	11 28 30	24° 4'16	24° 3	20°59	21°56	27°52	21°21	21° 3	4°28	24°13	11°18	8°54	7°30	12°35	28°32	T 8
F 9	11 32 26	25° 3'37	7♈ 3	20° 7	23° 9	27°57	21°30	21° 1	4°30	24°15	11°17	8°46	7°27	12°42	28°36	F 9
S 10	11 36 23	26° 2'55	19°49	19°17	24°22	28° 2	21°40	21° 0	4°32	24°17	11°17	8°37	7°24	12°49	28°40	S 10
S 11	11 40 19	27° 2'11	2♉19	18°30	25°35	28° 8	21°50	20°58	4°34	24°19	11°17	8°29	7°21	12°55	28°43	S 11
M12	11 44 16	28° 1'25	14°35	17°46	26°48	28°15	21°59	20°56	4°35	24°21	11°17	8°20	7°17	13° 2	28°47	M12
T 13	11 48 13	29° 0'37	26°39	17° 7	28° 1	28°22	22° 8	20°54	4°37	24°23	11°17	8°14	7°14	13° 9	28°51	T 13
W14	11 52 9	29°59'47	8♊34	16°31	29°14	28°30	22°17	20°52	4°39	24°25	11°17	8° 9	7°11	13°15	28°54	W14
T 15	11 56 6	0♈58'54	20°25	16° 1	0♉26	28°39	22°26	20°50	4°41	24°27	11°16	8° 6	7° 8	13°22	28°58	T 15
F 16	12 0 2	1°57'59	2♋16	15°37	1°39	28°48	22°35	20°48	4°43	24°28	11°16	8°D 6	7° 5	13°29	29° 1	F 16
S 17	12 3 59	2°57'02	14°13	15°17	2°52	28°57	22°44	20°46	4°45	24°30	11°16	8° 6	7° 2	13°36	29° 5	S 17
S 18	12 7 55	3°56'02	26°20	15° 4	4° 5	29° 8	22°52	20°44	4°47	24°32	11°D16	8° 7	6°58	13°42	29° 9	S 18
M19	12 11 52	4°55'00	8♌42	14°56	5°17	29°18	23° 1	20°42	4°49	24°34	11°16	8°R 8	6°55	13°49	29°12	M19
T 20	12 15 48	5°53'55	21°25	14°D53	6°30	29°30	23° 9	20°39	4°51	24°36	11°16	8° 7	6°52	13°56	29°16	T 20
W21	12 19 45	6°52'49	4♍31	14°56	7°42	29°42	23°18	20°37	4°54	24°38	11°16	8° 4	6°49	14° 2	29°19	W21
T 22	12 23 42	7°51'40	18° 1	15° 3	8°55	29°54	23°26	20°34	4°56	24°40	11°16	7°59	6°46	14° 9	29°23	T 22
F 23	12 27 38	8°50'28	1♎55	15°17	10° 7	0♌ 7	23°34	20°31	4°58	24°41	11°17	7°51	6°43	14°16	29°27	F 23
S 24	12 31 35	9°49'15	16° 9	15°35	11°19	0°21	23°41	20°28	5° 1	24°43	11°17	7°42	6°39	14°22	29°30	S 24
S 25	12 35 31	10°48'00	0♏38	15°57	12°31	0°34	23°49	20°26	5° 3	24°45	11°17	7°32	6°36	14°29	29°34	S 25
M26	12 39 28	11°46'43	15°15	16°24	13°43	0°49	23°57	20°23	5° 5	24°46	11°17	7°22	6°33	14°36	29°37	M26
T 27	12 43 24	12°45'24	29°52	16°56	14°56	1° 4	24° 4	20°20	5° 8	24°48	11°17	7°14	6°30	14°42	29°41	T 27
W28	12 47 21	13°44'04	14♐24	17°32	16° 8	1°19	24°11	20°17	5°10	24°50	11°17	7° 9	6°27	14°49	29°44	W28
T 29	12 51 17	14°42'41	28°46	18°11	17°20	1°35	24°18	20°14	5°13	24°51	11°18	7° 6	6°23	14°56	29°48	T 29
F 30	12 55 14	15°41'18	12♑54	18°54	18°31	1°51	24°25	20°10	5°15	24°53	11°18	7°D 5	6°20	15° 3	29°52	F 30
S 31	12 59 11	16♈39'52	26♑48	19♓41	19♉43	2♌ 8	24♑32	20♏ 7	5♊18	24♒55	11♋18	7♒ 5	6♒17	15♊ 9	29♓55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 6	27s 1	4s 3	1n51	3n35	4n49	0s32	24n16	3n37	22s12	0s11	15s55	2n18	21n 4	0s 2	14s11	0s37	24n 4	1n 0	18s 5	18s23	26n32	2n10	3n11
F 2	4 43	26 40	3 8	1 38	3 36	5 20	0 29	24 14	3 35	22 11	0 11	15 54	2 18	21 4	0 2	14 10	0 37	24 4	1 0	18 5	18 24	26 33	2 12	3 11
S 3	4 20	24 36	2 2	1 21	3 35	5 51	0 26	24 12	3 33	22 10	0 11	15 54	2 18	21 4	0 2	14 9	0 37	24 4	1 0	18 4	18 25	26 33	2 13	3 11
S 4	3 56	21 4	0 49	1 0	3 32	6 21	0 24	24 10	3 31	22 8	0 11	15 54	2 18	21 5	0 2	14 9	0 37	24 4	1 0	18 4	18 25	26 33	2 14	3 11
M 5	3 33	16 23	0n25	0 37	3 27	6 52	0 21	24 7	3 29	22 7	0 12	15 53	2 19	21 5	0 2	14 8	0 37	24 4	1 0	18 4	18 26	26 34	2 16	3 11
T 6	3 9	10 55	1 37	0 10	3 21	7 22	0 18	24 4	3 27	22 5	0 12	15 53	2 19	21 5	0 2	14 7	0 37	24 4	1 0	18 4	18 27	26 34	2 17	3 11
W 7	2 45	5 2	2 43	0s18	3 12	7 53	0 16	24 2	3 24	22 4	0 12	15 52	2 19	21 6	0 2	14 7	0 37	24 4	1 1	18 5	18 28	26 35	2 19	3 11
T 8	2 22	0n58	3 39	0 48	3 3	8 23	0 13	23 59	3 22	22 2	0 12	15 52	2 19	21 6	0 2	14 6	0 37	24 4	1 1	18 7	18 29	26 35	2 20	3 11
F 9	1 58	6 49	4 22	1 18	2 51	8 53	0 10	23 56	3 20	22 1	0 12	15 51	2 19	21 6	0 2	14 5	0 37	24 4	1 1	18 9	18 29	26 35	2 21	3 11
S 10	1 35	12 16	4 51	1 50	2 39	9 23	0 7	23 53	3 18	22 0	0 12	15 51	2 19	21 6	0 2	14 5	0 38	24 4	1 1	18 11	18 30	26 36	2 23	3 11
S 11	1 11	17 6	5 5	2 20	2 25	9 52	0 4	23 49	3 16	21 58	0 12	15 50	2 20	21 7	0 2	14 4	0 38	24 4	1 1	18 13	18 31	26 36	2 24	3 11
M12	0 47	21 8	5 5	2 51	2 11	10 21	0 1	23 46	3 14	21 57	0 13	15 49	2 20	21 7	0 2	14 3	0 38	24 4	1 1	18 16	18 32	26 37	2 25	3 11
T 13	0 24	24 13	4 51	3 20	1 56	10 50	0n 2	23 42	3 11	21 56	0 13	15 49	2 20	21 7	0 2	14 3	0 38	24 4	1 1	18 17	18 33	26 37	2 27	3 10
W14	0 0	26 12	4 25	3 48	1 40	11 19	0 5	23 38	3 9	21 54	0 13	15 48	2 20	21 8	0 2	14 2	0 38	24 4	1 1	18 19	18 33	26 37	2 28	3 10
T 15	0n24	26 59	3 48	4 14	1 25	11 48	0 8	23 35	3 7	21 53	0 13	15 47	2 20	21 8	0 2	14 1	0 38	24 5	1 1	18 19	18 34	26 38	2 30	3 10
F 16	0 47	26 32	3 0	4 38	1 9	12 16	0 11	23 31	3 5	21 52	0 13	15 47	2 20	21 9	0 2	14 1	0 38	24 5	1 1	18 19	18 35	26 38	2 31	3 10
S 17	1 11	24 51	2 5	5 0	0 53	12 44	0 14	23 27	3 3	21 50	0 13	15 46	2 21	21 9	0 2	14 0	0 38	24 5	1 1	18 19	18 36	26 38	2 32	3 10
S 18	1 34	22 1	1 3	5 20	0 38	13 12	0 17	23 22	3 1	21 49	0 13	15 45	2 21	21 9	0 2	14 0	0 38	24 5	1 1	18 19	18 37	26 39	2 34	3 10
M19	1 58	18 7	0s 3	5 37	0 22	13 39	0 20	23 18	2 59	21 48	0 14	15 45	2 21	21 10	0 2	13 59	0 38	24 5	1 1	18 19	18 38	26 39	2 35	3 10
T 20	2 21	13 19	1 11	5 52	0 7	14 6	0 23	23 14	2 57	21 47	0 14	15 44	2 21	21 10	0 2	13 58	0 38	24 5	1 1	18 19	18 38	26 39	2 37	3 10
W21	2 45	7 47	2 16	6 5	0s 7	14 33	0 26	23 9	2 55	21 45	0 14	15 43	2 21	21 11	0 2	13 58	0 38	24 5	1 1	18 20	18 39	26 39	2 38	3 10
T 22	3 8	1 45	3 16	6 14	0 21	14 59	0 29	23 5	2 53	21 44	0 14	15 42	2 21	21 11	0 2	13 57	0 38	24 5	1 1	18 21	18 40	26 40	2 39	3 10
F 23	3 31	4s32	4 6	6 22	0 35	15 25	0 32	23 0	2 51	21 43	0 14	15 41	2 21	21 11	0 2	13 57	0 38	24 5	1 1	18 23	18 41	26 40	2 41	3 10
S 24	3 54	10 43	4 42	6 27	0 48	15 51	0 35	22 55	2 49	21 42	0 14	15 40	2 21	21 12	0 2	13 56	0 38	24 5	1 1	18 26	18 42	26 40	2 42	3 10
S 25	4 18	16 26	5 1	6 29	1 0	16 16	0 38	22 50	2 47	21 40	0 15	15 40	2 22	21 12	0 2	13 56	0 38	24 5	1 1	18 28	18 42	26 41	2 44	3 10
M26	4 41	21 16	5 0	6 29	1 11	16 41	0 41	22 45	2 45	21 39	0 15	15 39	2 22	21 13	0 2	13 55	0 38	24 5	1 1	18 31	18 43	26 41	2 45	3 10
T 27	5 4	24 46	4 40	6 27	1 22	17 5	0 44	22 40	2 43	21 38	0 15	15 38	2 22	21 13	0 2	13 54	0 38	24 5	1 1	18 33	18 44	26 41	2 46	3 10
W28	5 27	26 38	4 2	6 22	1 33	17 29	0 47	22 35	2 41	21 37	0 15	15 37	2 22	21 14	0 2	13 54	0 38	24 5	1 1	18 34	18 45	26 41	2 48	3 10
T 29	5 49	26 41	3 9	6 16	1 42	17 53	0 50	22 29	2 39	21 36	0 15	15 36	2 22	21 14	0 2	13 53	0 38	24 5	1 1	18 35	18 46	26 42	2 49	3 10
F 30	6 12	24 59	2 5	6 7	1 51	18 16	0 53	22 24	2 38	21 35	0 15	15 35	2 22	21 15	0 2	13 53	0 38	24 5	1 1	18 35	18 46	26 42	2 51	3 10
S 31	6n35	21s47	0s54	5s56	2s 0	18n39	0n56	22n18	2n36	21s34	0s15	15s34	2n22	21n15	0s 2	13s52	0s38	24n 5	1n 1	18s35	18s47	26n42	2n52	3n10

Julian Day Number = 2155764.5, Delta T = 13m43s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'54, Lahiri = 12°33'55 Julian Calendar 1 March 1190 == Greg. Calendar 8 March 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

APRIL 1190 JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n57	17s24	0n18	5s43	2s 7	19n 1	0n59	22n12	2n34	21s33	0s16	15s33	2n22	21n16	0s 2	13s52	0s38	24n 5	1n 1	18s35	18s48	26n42	2n53	3n10
M 2	7 20	12 13	1 28	5 28	2 14	19 22	1 2	22 7	2 32	21 32	0 16	15 32	2 22	21 16	0 2	13 51	0 38	24 5	1 2	18 35	18 49	26 42	2 55	3 10
T 3	7 42	6 33	2 32	5 12	2 20	19 44	1 5	22 1	2 30	21 31	0 16	15 31	2 23	21 17	0 2	13 51	0 38	24 5	1 2	18 36	18 49	26 43	2 56	3 10
W 4	8 4	0 42	3 27	4 53	2 26	20 4	1 8	21 55	2 29	21 30	0 16	15 30	2 23	21 17	0 2	13 50	0 38	24 5	1 2	18 38	18 50	26 43	2 58	3 10
T 5	8 26	5n 5	4 11	4 33	2 31	20 25	1 11	21 48	2 27	21 29	0 16	15 29	2 23	21 17	0 2	13 50	0 38	24 5	1 2	18 40	18 51	26 43	2 59	3 10
F 6	8 48	10 34	4 41	4 11	2 36	20 44	1 14	21 42	2 25	21 28	0 16	15 28	2 23	21 18	0 2	13 50	0 38	24 5	1 2	18 43	18 52	26 43	3 0	3 10
S 7	9 10	15 33	4 57	3 48	2 39	21 4	1 16	21 36	2 23	21 27	0 17	15 27	2 23	21 19	0 2	13 49	0 38	24 5	1 2	18 46	18 53	26 43	3 2	3 10
S 8	9 31	19 49	4 59	3 22	2 42	21 22	1 19	21 29	2 22	21 26	0 17	15 26	2 23	21 19	0 2	13 49	0 38	24 5	1 2	18 49	18 53	26 43	3 3	3 10
M 9	9 53	23 11	4 48	2 56	2 45	21 40	1 22	21 23	2 20	21 25	0 17	15 25	2 23	21 20	0 2	13 48	0 38	24 5	1 2	18 52	18 54	26 44	3 4	3 10
T 10	10 14	25 30	4 23	2 28	2 47	21 58	1 25	21 16	2 18	21 25	0 17	15 24	2 23	21 20	0 2	13 48	0 38	24 5	1 2	18 55	18 55	26 44	3 6	3 10
W11	10 35	26 39	3 48	1 58	2 48	22 15	1 28	21 9	2 17	21 24	0 17	15 22	2 23	21 21	0 2	13 47	0 38	24 5	1 2	18 57	18 56	26 44	3 7	3 10
T 12	10 56	26 34	3 2	1 27	2 49	22 31	1 30	21 2	2 15	21 23	0 18	15 21	2 23	21 21	0 2	13 47	0 38	24 5	1 2	18 59	18 57	26 44	3 8	3 10
F 13	11 17	25 17	2 9	0 55	2 49	22 47	1 33	20 55	2 13	21 22	0 18	15 20	2 23	21 22	0 2	13 47	0 38	24 5	1 2	18 59	18 57	26 44	3 10	3 10
S 14	11 37	22 51	1 9	0 21	2 49	23 2	1 35	20 48	2 12	21 22	0 18	15 19	2 23	21 22	0 2	13 46	0 38	24 5	1 2	19 0	18 58	26 44	3 11	3 10
S 15	11 58	19 22	0 6	0n14	2 48	23 16	1 38	20 41	2 10	21 21	0 18	15 18	2 23	21 23	0 2	13 46	0 38	24 5	1 2	19 0	18 59	26 44	3 12	3 10
M16	12 18	14 58	0s59	0 50	2 46	23 30	1 40	20 33	2 9	21 20	0 18	15 17	2 23	21 23	0 2	13 45	0 38	24 5	1 2	19 0	19 0	26 44	3 14	3 10
T 17	12 38	9 50	2 3	1 28	2 44	23 44	1 43	20 26	2 7	21 20	0 18	15 16	2 23	21 24	0 2	13 45	0 39	24 5	1 2	19 0	19 0	26 45	3 15	3 10
W18	12 58	4 6	3 2	2 7	2 41	23 56	1 45	20 18	2 5	21 19	0 19	15 14	2 23	21 24	0 2	13 45	0 39	24 5	1 2	19 1	19 1	26 45	3 16	3 10
T 19	13 17	2s 0	3 54	2 46	2 38	24 8	1 48	20 11	2 4	21 19	0 19	15 13	2 23	21 25	0 2	13 44	0 39	24 5	1 2	19 2	19 2	26 45	3 18	3 10
F 20	13 36	8 12	4 33	3 27	2 34	24 20	1 50	20 3	2 2	21 18	0 19	15 12	2 23	21 25	0 2	13 44	0 39	24 5	1 2	19 5	19 3	26 45	3 19	3 10
S 21	13 56	14 9	4 56	4 9	2 29	24 30	1 52	19 55	2 1	21 18	0 19	15 11	2 23	21 26	0 2	13 44	0 39	24 5	1 2	19 7	19 4	26 45	3 20	3 10
S 22	14 15	19 25	4 59	4 52	2 24	24 40	1 54	19 47	1 59	21 17	0 19	15 10	2 23	21 27	0 2	13 43	0 39	24 5	1 2	19 10	19 4	26 45	3 21	3 10
M23	14 33	23 31	4 43	5 36	2 19	24 50	1 56	19 39	1 58	21 17	0 19	15 8	2 23	21 27	0 2	13 43	0 39	24 5	1 2	19 12	19 5	26 45	3 23	3 10
T 24	14 52	26 2	4 7	6 20	2 13	24 58	1 59	19 31	1 56	21 17	0 20	15 7	2 23	21 28	0 2	13 43	0 39	24 5	1 2	19 15	19 6	26 45	3 24	3 10
W25	15 10	26 39	3 14	7 6	2 7	25 6	2 1	19 22	1 55	21 16	0 20	15 6	2 23	21 28	0 2	13 43	0 39	24 5	1 2	19 16	19 7	26 45	3 25	3 10
T 26	15 28	25 23	2 9	7 52	2 0	25 14	2 2	19 14	1 53	21 16	0 20	15 5	2 23	21 29	0 2	13 42	0 39	24 5	1 2	19 17	19 7	26 45	3 26	3 10
F 27	15 46	22 28	0 57	8 39	1 52	25 20	2 4	19 5	1 52	21 16	0 20	15 4	2 23	21 29	0 2	13 42	0 39	24 5	1 3	19 17	19 8	26 45	3 28	3 10
S 28	16 3	18 16	0n16	9 26	1 44	25 26	2 6	18 56	1 51	21 16	0 20	15 2	2 23	21 30	0 2	13 42	0 39	24 5	1 3	19 18	19 9	26 45	3 29	3 11
S 29	16 20	13 13	1 27	10 14	1 36	25 32	2 8	18 48	1 49	21 15	0 21	15 1	2 23	21 31	0 2	13 42	0 39	24 4	1 3	19 18	19 10	26 45	3 30	3 11
M30	16n37	7s39	2n32	11n 2	1s27	25n36	2n 9	18n39	1n48	21s15	0s21	15s 0	2n23	21n31	0s 1	13s41	0s39	24n 4	1n 3	19s18	19s10	26n45	3n31	3n11

Julian Day Number = 2155795.5, Delta T = 13m42s
Ecliptic obliquity = 23°32'46, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°26'58, Lahiri = 12°33'59 Julian Calendar 1 Apr. 1190 == Greg. Calendar 8 Apr. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

MAY 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 1 24	16♉40'48	17♓16	4♉30	26♊ 8	13♌40	26♑42	18°R 1	6♊52	25♒30	11♋39	4°R 8	4♒39	18♊37	1♈34	T 1
W 2	15 5 20	17°38'29	0♈ 4	6°29	27°17	14° 6	26°43	17♏57	6°56	25°31	11°40	4♒ 2	4°35	18°43	1°37	W 2
T 3	15 9 17	18°36'08	12°39	8°31	28°26	14°33	26°44	17°52	6°59	25°32	11°41	3°54	4°32	18°50	1°39	T 3
F 4	15 13 13	19°33'47	25° 5	10°34	29°35	15° 1	26°45	17°48	7° 2	25°32	11°42	3°43	4°29	18°57	1°42	F 4
S 5	15 17 10	20°31'25	7♉20	12°39	0♋43	15°28	26°46	17°44	7° 6	25°33	11°43	3°30	4°26	19° 3	1°45	S 5
S 6	15 21 6	21°29'02	19°28	14°46	1°52	15°56	26°47	17°39	7° 9	25°33	11°45	3°17	4°23	19°10	1°47	S 6
M 7	15 25 3	22°26'37	1♊28	16°54	3° 0	16°23	26°47	17°35	7°13	25°34	11°46	3° 5	4°20	19°17	1°50	M 7
T 8	15 29 0	23°24'11	13°22	19° 3	4° 8	16°51	26°47	17°30	7°16	25°34	11°47	2°54	4°16	19°23	1°52	T 8
W 9	15 32 56	24°21'44	25°12	21°13	5°16	17°20	26°R47	17°26	7°20	25°35	11°48	2°46	4°13	19°30	1°55	W 9
T 10	15 36 53	25°19'16	6♋59	23°24	6°24	17°48	26°47	17°21	7°23	25°35	11°49	2°41	4°10	19°37	1°57	T 10
F 11	15 40 49	26°16'46	18°49	25°36	7°32	18°17	26°47	17°17	7°27	25°36	11°50	2°38	4° 7	19°43	2° 0	F 11
S 12	15 44 46	27°14'15	0♌43	27°48	8°40	18°46	26°46	17°13	7°30	25°36	11°51	2°D37	4° 4	19°50	2° 2	S 12
S 13	15 48 42	28°11'43	12°48	29°59	9°47	19°15	26°45	17° 8	7°34	25°36	11°53	2°37	4° 0	19°57	2° 4	S 13
M14	15 52 39	29° 9'09	25° 7	2♊12	10°54	19°44	26°45	17° 4	7°37	25°37	11°54	2°R37	3°57	20° 4	2° 7	M14
T 15	15 56 36	0♊ 6'35	7♍46	4°23	12° 2	20°13	26°43	17° 0	7°41	25°37	11°55	2°37	3°54	20°10	2° 9	T 15
W16	16 0 32	1° 3'58	20°50	6°33	13° 9	20°43	26°42	16°55	7°44	25°37	11°56	2°35	3°51	20°17	2°11	W16
T 17	16 4 29	2° 1'21	4♎22	8°42	14°15	21°13	26°41	16°51	7°48	25°37	11°58	2°32	3°48	20°24	2°13	T 17
F 18	16 8 25	2°58'43	18°23	10°51	15°22	21°42	26°39	16°47	7°51	25°37	11°59	2°26	3°45	20°30	2°16	F 18
S 19	16 12 22	3°56'03	2♏53	12°57	16°29	22°12	26°37	16°43	7°55	25°37	12° 0	2°18	3°41	20°37	2°18	S 19
S 20	16 16 18	4°53'23	17°46	15° 2	17°35	22°43	26°35	16°39	7°59	25°38	12° 2	2° 9	3°38	20°44	2°20	S 20
M21	16 20 15	5°50'41	2♐56	17° 5	18°41	23°13	26°33	16°35	8° 2	25°38	12° 3	2° 1	3°35	20°50	2°22	M21
T 22	16 24 11	6°47'59	18°10	19° 6	19°47	23°44	26°30	16°31	8° 6	25°R38	12° 4	1°54	3°32	20°57	2°24	T 22
W23	16 28 8	7°45'16	3♑20	21° 5	20°53	24°14	26°28	16°27	8° 9	25°38	12° 6	1°49	3°29	21° 4	2°26	W23
T 24	16 32 5	8°42'33	18°16	23° 2	21°58	24°45	26°25	16°23	8°13	25°38	12° 7	1°46	3°26	21°10	2°27	T 24
F 25	16 36 1	9°39'49	2♒50	24°57	23° 4	25°16	26°22	16°19	8°16	25°37	12° 8	1°D46	3°22	21°17	2°29	F 25
S 26	16 39 58	10°37'05	17° 0	26°50	24° 9	25°47	26°19	16°15	8°20	25°37	12°10	1°46	3°19	21°24	2°31	S 26
S 27	16 43 54	11°34'20	0♓45	28°40	25°14	26°19	26°15	16°11	8°23	25°37	12°11	1°47	3°16	21°30	2°33	S 27
M28	16 47 51	12°31'35	14° 6	0♋27	26°19	26°50	26°12	16° 7	8°27	25°37	12°13	1°R48	3°13	21°37	2°35	M28
T 29	16 51 47	13°28'50	27° 5	2°13	27°23	27°22	26° 8	16° 4	8°31	25°37	12°14	1°47	3°10	21°44	2°36	T 29
W30	16 55 44	14°26'04	9♈46	3°56	28°28	27°53	26° 4	16° 0	8°34	25°37	12°15	1°44	3° 6	21°50	2°38	W30
T 31	16 59 40	15♊23'18	22♈12	5♋36	29♋32	28♌25	26♑ 0	15♏56	8♊38	25♒36	12♋17	1♒39	3♒ 3	21♊57	2♈39	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n54	1s53	3n27	11n51	1s18	25n40	2n11	18n30	1n46	21s15	0s21	14s59	2n23	21n32	0s 1	13s41	0s39	24n 4	1n 3	19s19	19s11	26n45	3n32	3n11
W 2	17 10	3n51	4 10	12 40	1 9	25 43	2 12	18 21	1 45	21 15	0 21	14 58	2 23	21 32	0 1	13 41	0 39	24 4	1 3	19 20	19 12	26 45	3 33	3 11
T 3	17 26	9 20	4 41	13 29	0 59	25 46	2 14	18 11	1 44	21 15	0 21	14 56	2 23	21 33	0 1	13 41	0 39	24 4	1 3	19 22	19 13	26 45	3 35	3 11
F 4	17 42	14 21	4 58	14 17	0 49	25 48	2 15	18 2	1 42	21 15	0 22	14 55	2 23	21 34	0 1	13 41	0 39	24 4	1 3	19 25	19 14	26 45	3 36	3 11
S 5	17 58	18 45	5 0	15 6	0 38	25 49	2 16	17 53	1 41	21 15	0 22	14 54	2 23	21 34	0 1	13 40	0 39	24 4	1 3	19 27	19 14	26 45	3 37	3 11
S 6	18 13	22 19	4 49	15 54	0 28	25 49	2 17	17 43	1 40	21 15	0 22	14 53	2 23	21 35	0 1	13 40	0 39	24 4	1 3	19 30	19 15	26 45	3 38	3 11
M 7	18 28	24 53	4 26	16 41	0 17	25 49	2 18	17 33	1 38	21 15	0 22	14 52	2 23	21 35	0 1	13 40	0 39	24 4	1 3	19 33	19 16	26 45	3 39	3 11
T 8	18 42	26 19	3 50	17 27	0 7	25 48	2 19	17 24	1 37	21 15	0 22	14 51	2 23	21 36	0 1	13 40	0 39	24 4	1 3	19 36	19 17	26 45	3 40	3 11
W 9	18 57	26 32	3 5	18 13	0n 4	25 46	2 20	17 14	1 36	21 16	0 23	14 49	2 23	21 36	0 1	13 40	0 39	24 4	1 3	19 38	19 17	26 45	3 41	3 11
T 10	19 11	25 33	2 12	18 56	0 14	25 44	2 21	17 4	1 34	21 16	0 23	14 48	2 23	21 37	0 1	13 40	0 39	24 4	1 3	19 39	19 18	26 44	3 42	3 11
F 11	19 24	23 25	1 13	19 39	0 25	25 41	2 22	16 54	1 33	21 16	0 23	14 47	2 23	21 38	0 1	13 40	0 39	24 4	1 3	19 40	19 19	26 44	3 43	3 11
S 12	19 38	20 15	0 10	20 20	0 35	25 37	2 22	16 43	1 32	21 16	0 23	14 46	2 23	21 38	0 1	13 40	0 39	24 4	1 3	19 40	19 20	26 44	3 44	3 12
S 13	19 51	16 11	0s54	20 58	0 45	25 33	2 23	16 33	1 31	21 17	0 23	14 45	2 23	21 39	0 1	13 40	0 39	24 4	1 3	19 40	19 20	26 44	3 45	3 12
M14	20 3	11 22	1 57	21 35	0 54	25 28	2 23	16 23	1 29	21 17	0 24	14 44	2 22	21 39	0 1	13 40	0 39	24 4	1 3	19 40	19 21	26 44	3 46	3 12
T 15	20 16	5 58	2 56	22 9	1 3	25 22	2 23	16 12	1 28	21 18	0 24	14 43	2 22	21 40	0 1	13 39	0 39	24 4	1 3	19 40	19 22	26 44	3 47	3 12
W16	20 28	0 9	3 48	22 41	1 12	25 16	2 23	16 2	1 27	21 18	0 24	14 42	2 22	21 41	0 1	13 39	0 39	24 4	1 3	19 40	19 23	26 44	3 48	3 12
T 17	20 39	5s51	4 29	23 10	1 20	25 9	2 23	15 51	1 26	21 19	0 24	14 40	2 22	21 41	0 1	13 39	0 39	24 3	1 3	19 41	19 23	26 44	3 49	3 12
F 18	20 51	11 48	4 56	23 37	1 28	25 2	2 23	15 40	1 25	21 19	0 24	14 39	2 22	21 42	0 1	13 39	0 40	24 3	1 3	19 42	19 24	26 43	3 50	3 12
S 19	21 2	17 18	5 5	24 1	1 34	24 53	2 23	15 29	1 23	21 20	0 25	14 38	2 22	21 42	0 1	13 39	0 40	24 3	1 4	19 44	19 25	26 43	3 51	3 12
S 20	21 12	21 54	4 54	24 22	1 40	24 44	2 23	15 18	1 22	21 20	0 25	14 37	2 22	21 43	0 1	13 39	0 40	24 3	1 4	19 46	19 26	26 43	3 52	3 12
M21	21 23	25 7	4 22	24 40	1 46	24 35	2 22	15 7	1 21	21 21	0 25	14 36	2 22	21 43	0 1	13 39	0 40	24 3	1 4	19 48	19 26	26 43	3 53	3 12
T 22	21 32	26 32	3 32	24 56	1 51	24 25	2 22	14 56	1 20	21 22	0 25	14 35	2 22	21 44	0 1	13 39	0 40	24 3	1 4	19 49	19 27	26 43	3 54	3 12
W23	21 42	25 57	2 26	25 9	1 55	24 14	2 21	14 44	1 19	21 22	0 25	14 34	2 21	21 45	0 1	13 39	0 40	24 3	1 4	19 51	19 28	26 43	3 55	3 13
T 24	21 51	23 29	1 12	25 19	1 58	24 3	2 20	14 33	1 18	21 23	0 26	14 33	2 21	21 45	0 1	13 39	0 40	24 3	1 4	19 51	19 29	26 42	3 55	3 13
F 25	22 0	19 31	0n 6	25 27	2 0	23 51	2 19	14 21	1 16	21 24	0 26	14 32	2 21	21 46	0 1	13 40	0 40	24 3	1 4	19 51	19 29	26 42	3 56	3 13
S 26	22 8	14 31	1 21	25 33	2 2	23 39	2 18	14 10	1 15	21 25	0 26	14 31	2 21	21 46	0 1	13 40	0 40	24 3	1 4	19 51	19 30	26 42	3 57	3 13
S 27	22 16	8 55	2 30	25 36	2 3	23 26	2 17	13 58	1 14	21 25	0 26	14 30	2 21	21 47	0 1	13 40	0 40	24 3	1 4	19 51	19 31	26 42	3 58	3 13
M28	22 24	3 5	3 28	25 36	2 4	23 12	2 16	13 46	1 13	21 26	0 26	14 29	2 21	21 47	0 1	13 40	0 40	24 3	1 4	19 51	19 31	26 42	3 59	3 13
T 29	22 31	2n43	4 14	25 35	2 3	22 58	2 14	13 34	1 12	21 27	0 27	14 28	2 21	21 48	0 1	13 40	0 40	24 3	1 4	19 51	19 32	26 41	3 59	3 13
W30	22 38	8 16	4 46	25 31	2 2	22 44	2 13	13 22	1 11	21 28	0 27	14 28	2 20	21 49	0 1	13 40	0 40	24 2	1 4	19 52	19 33	26 41	4 0	3 13
T 31	22n44	13n22	5n 4	25n26	2n 0	22n29	2n11	13n10	1n10	21s29	0s27	14s27	2n20	21n49	0s 1	13s40	0s40	24n 2	1n 4	19s53	19s34	26n41	4n 1	3n13

Julian Day Number = 2155825.5, Delta T = 13m42s
Ecliptic obliquity = 23°32'45, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'03, Lahiri = 12°34'03 Julian Calendar 1 May 1190 == Greg. Calendar 8 May 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

JUNE 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 3 37	16♊20'32	4♉26	7♋14	0♌36	28♌57	25°R56	15°R53	8♊41	25°R36	12♋18	1°R33	3♒ 0	22♊ 4	2♈41	F 1
S 2	17 7 34	17°17'46	16°31	8°50	1°39	29°29	25♑52	15♏49	8°45	25♒36	12°20	1♒25	2°57	22°10	2°42	S 2
S 3	17 11 30	18°15'00	28°29	10°23	2°43	0♍ 2	25°47	15°46	8°48	25°35	12°21	1°17	2°54	22°17	2°44	S 3
M 4	17 15 27	19°12'13	10♊22	11°54	3°46	0°34	25°42	15°42	8°52	25°35	12°23	1° 9	2°51	22°24	2°45	M 4
T 5	17 19 23	20° 9'26	22°12	13°22	4°49	1° 7	25°38	15°39	8°55	25°35	12°24	1° 3	2°47	22°31	2°46	T 5
W 6	17 23 20	21° 6'38	4♋ 1	14°48	5°51	1°39	25°33	15°36	8°59	25°34	12°26	0°58	2°44	22°37	2°48	W 6
T 7	17 27 16	22° 3'51	15°50	16°11	6°54	2°12	25°27	15°33	9° 2	25°34	12°27	0°55	2°41	22°44	2°49	T 7
F 8	17 31 13	23° 1'03	27°42	17°32	7°56	2°45	25°22	15°30	9° 6	25°33	12°29	0°D53	2°38	22°51	2°50	F 8
S 9	17 35 9	23°58'14	9♌41	18°50	8°58	3°18	25°17	15°27	9° 9	25°33	12°30	0°54	2°35	22°57	2°51	S 9
S 10	17 39 6	24°55'25	21°49	20° 5	9°59	3°51	25°11	15°24	9°13	25°32	12°32	0°55	2°32	23° 4	2°52	S 10
M11	17 43 3	25°52'36	4♍11	21°18	11° 0	4°25	25° 5	15°21	9°16	25°31	12°34	0°57	2°28	23°11	2°53	M11
T 12	17 46 59	26°49'46	16°51	22°27	12° 1	4°58	24°59	15°18	9°20	25°31	12°35	0°58	2°25	23°17	2°54	T 12
W13	17 50 56	27°46'56	29°52	23°34	13° 2	5°32	24°53	15°15	9°23	25°30	12°37	0°R58	2°22	23°24	2°55	W13
T 14	17 54 52	28°44'06	13♎18	24°38	14° 2	6° 5	24°47	15°13	9°26	25°29	12°38	0°57	2°19	23°31	2°56	T 14
F 15	17 58 49	29°41'15	27°12	25°39	15° 2	6°39	24°41	15°10	9°30	25°29	12°40	0°55	2°16	23°37	2°57	F 15
S 16	18 2 45	0♋38'25	11♏32	26°37	16° 1	7°13	24°35	15° 8	9°33	25°28	12°41	0°52	2°12	23°44	2°58	S 16
S 17	18 6 42	1°35'34	26°17	27°31	17° 0	7°47	24°28	15° 5	9°37	25°27	12°43	0°48	2° 9	23°51	2°58	S 17
M18	18 10 38	2°32'43	11♐20	28°23	17°59	8°21	24°22	15° 3	9°40	25°26	12°45	0°44	2° 6	23°57	2°59	M18
T 19	18 14 35	3°29'52	26°33	29°10	18°57	8°55	24°15	15° 1	9°43	25°25	12°46	0°41	2° 3	24° 4	2°59	T 19
W20	18 18 32	4°27'01	11♑45	29°54	19°55	9°30	24° 8	14°59	9°47	25°25	12°48	0°39	2° 0	24°11	3° 0	W20
T 21	18 22 28	5°24'10	26°48	0♌35	20°53	10° 4	24° 1	14°57	9°50	25°24	12°49	0°D38	1°57	24°17	3° 1	T 21
F 22	18 26 25	6°21'20	11♒32	1°11	21°50	10°39	23°54	14°55	9°53	25°23	12°51	0°38	1°53	24°24	3° 1	F 22
S 23	18 30 21	7°18'30	25°53	1°44	22°46	11°13	23°47	14°53	9°56	25°22	12°53	0°39	1°50	24°31	3° 1	S 23
S 24	18 34 18	8°15'40	9♓47	2°13	23°43	11°48	23°40	14°51	10° 0	25°21	12°54	0°40	1°47	24°37	3° 2	S 24
M25	18 38 14	9°12'51	23°15	2°37	24°38	12°23	23°33	14°49	10° 3	25°20	12°56	0°42	1°44	24°44	3° 2	M25
T 26	18 42 11	10°10'03	6♈18	2°56	25°33	12°58	23°26	14°48	10° 6	25°19	12°57	0°R42	1°41	24°51	3° 2	T 26
W27	18 46 8	11° 7'15	18°59	3°12	26°28	13°33	23°18	14°46	10° 9	25°18	12°59	0°42	1°38	24°57	3° 2	W27
T 28	18 50 4	12° 4'28	1♉23	3°22	27°22	14° 8	23°11	14°45	10°12	25°17	13° 1	0°41	1°34	25° 4	3° 2	T 28
F 29	18 54 1	13° 1'42	13°32	3°28	28°16	14°44	23° 3	14°43	10°16	25°16	13° 2	0°39	1°31	25°11	3° 3	F 29
S 30	18 57 57	13♋58'57	25♉32	3°R29	29♌ 9	15♍19	22♑56	14♏42	10♊19	25♒15	13♋ 4	0♒37	1♒28	25♊17	3°R 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n51	17n52	5n 8	25n18	1n58	22n13	2n 9	12n58	1n 9	21s30	0s27	14s26	2n20	21n50	0s 1	13s40	0s40	24n 2	1n 4	19s54	19s34	26n41	4n 2	3n13
S 2	22 56	21 36	4 58	25 9	1 54	21 57	2 8	12 45	1 8	21 31	0 27	14 25	2 20	21 50	0 1	13 40	0 40	24 2	1 4	19 56	19 35	26 40	4 2	3 14
S 3	23 1	24 22	4 34	24 58	1 50	21 41	2 5	12 33	1 6	21 32	0 28	14 24	2 20	21 51	0 1	13 41	0 40	24 2	1 4	19 58	19 36	26 40	4 3	3 14
M 4	23 6	26 3	4 0	24 46	1 46	21 24	2 3	12 20	1 5	21 33	0 28	14 23	2 19	21 51	0 1	13 41	0 40	24 2	1 4	19 59	19 37	26 40	4 4	3 14
T 5	23 11	26 33	3 14	24 32	1 41	21 6	2 1	12 8	1 4	21 34	0 28	14 23	2 19	21 52	0 1	13 41	0 40	24 2	1 4	20 1	19 37	26 40	4 4	3 14
W 6	23 15	25 50	2 21	24 18	1 35	20 48	1 58	11 55	1 3	21 35	0 28	14 22	2 19	21 53	0 1	13 41	0 40	24 2	1 4	20 2	19 38	26 39	4 5	3 14
T 7	23 18	23 57	1 21	24 1	1 28	20 30	1 56	11 42	1 2	21 36	0 28	14 21	2 19	21 53	0 1	13 41	0 40	24 2	1 4	20 3	19 39	26 39	4 5	3 14
F 8	23 22	21 0	0 17	23 44	1 21	20 11	1 53	11 29	1 1	21 38	0 29	14 20	2 19	21 54	0 1	13 41	0 40	24 2	1 5	20 3	19 40	26 39	4 6	3 14
S 9	23 24	17 8	0s48	23 26	1 14	19 52	1 50	11 16	1 0	21 39	0 29	14 20	2 19	21 54	0 1	13 42	0 40	24 2	1 5	20 3	19 40	26 38	4 7	3 14
S 10	23 27	12 32	1 52	23 7	1 6	19 32	1 47	11 3	0 59	21 40	0 29	14 19	2 18	21 55	0 1	13 42	0 40	24 1	1 5	20 3	19 41	26 38	4 7	3 14
M11	23 29	7 21	2 52	22 47	0 57	19 12	1 44	10 50	0 58	21 41	0 29	14 19	2 18	21 55	0 1	13 42	0 40	24 1	1 5	20 2	19 42	26 38	4 8	3 15
T 12	23 30	1 46	3 45	22 27	0 48	18 52	1 40	10 37	0 57	21 43	0 29	14 18	2 18	21 56	0 1	13 42	0 40	24 1	1 5	20 2	19 42	26 37	4 8	3 15
W13	23 32	4s 3	4 28	22 6	0 38	18 32	1 37	10 24	0 56	21 44	0 30	14 17	2 18	21 56	0 1	13 43	0 40	24 1	1 5	20 2	19 43	26 37	4 9	3 15
T 14	23 32	9 51	4 58	21 45	0 27	18 11	1 33	10 10	0 55	21 45	0 30	14 17	2 17	21 57	0 1	13 43	0 40	24 1	1 5	20 2	19 44	26 37	4 9	3 15
F 15	23 33	15 22	5 12	21 23	0 17	17 49	1 29	9 57	0 54	21 46	0 30	14 16	2 17	21 57	0 1	13 43	0 40	24 1	1 5	20 3	19 45	26 36	4 9	3 15
S 16	23 33	20 14	5 8	21 1	0 5	17 28	1 25	9 43	0 53	21 48	0 30	14 16	2 17	21 58	0 1	13 43	0 40	24 1	1 5	20 3	19 45	26 36	4 10	3 15
S 17	23 32	23 59	4 43	20 39	0s 6	17 6	1 21	9 30	0 52	21 49	0 30	14 15	2 17	21 58	0 1	13 44	0 40	24 1	1 5	20 4	19 46	26 36	4 10	3 15
M18	23 31	26 10	3 58	20 17	0 19	16 44	1 17	9 16	0 51	21 50	0 31	14 15	2 17	21 59	0 1	13 44	0 41	24 1	1 5	20 5	19 47	26 35	4 11	3 15
T 19	23 30	26 26	2 56	19 54	0 31	16 21	1 13	9 2	0 50	21 52	0 31	14 14	2 16	21 59	0 1	13 44	0 41	24 1	1 5	20 6	19 47	26 35	4 11	3 16
W20	23 28	24 43	1 42	19 33	0 44	15 59	1 8	8 48	0 49	21 53	0 31	14 14	2 16	22 0	0 1	13 45	0 41	24 1	1 5	20 6	19 48	26 34	4 11	3 16
T 21	23 26	21 14	0 21	19 11	0 57	15 36	1 3	8 34	0 48	21 55	0 31	14 14	2 16	22 0	0 1	13 45	0 41	24 0	1 5	20 6	19 49	26 34	4 12	3 16
F 22	23 24	16 27	1n 0	18 50	1 11	15 13	0 58	8 20	0 47	21 56	0 31	14 13	2 16	22 1	0 1	13 45	0 41	24 0	1 5	20 6	19 50	26 34	4 12	3 16
S 23	23 21	10 50	2 15	18 29	1 25	14 49	0 53	8 6	0 46	21 57	0 31	14 13	2 15	22 1	0 1	13 46	0 41	24 0	1 5	20 6	19 50	26 33	4 12	3 16
S 24	23 17	4 52	3 19	18 9	1 39	14 26	0 48	7 52	0 45	21 59	0 32	14 13	2 15	22 2	0 1	13 46	0 41	24 0	1 5	20 6	19 51	26 33	4 12	3 16
M25	23 13	1n 9	4 11	17 50	1 53	14 2	0 43	7 38	0 44	22 0	0 32	14 12	2 15	22 2	0 1	13 46	0 41	24 0	1 6	20 5	19 52	26 32	4 13	3 16
T 26	23 9	6 54	4 47	17 31	2 8	13 38	0 37	7 23	0 43	22 2	0 32	14 12	2 15	22 3	0 1	13 47	0 41	24 0	1 6	20 5	19 52	26 32	4 13	3 16
W27	23 5	12 13	5 9	17 14	2 22	13 14	0 31	7 9	0 42	22 3	0 32	14 12	2 14	22 3	0 1	13 47	0 41	24 0	1 6	20 5	19 53	26 31	4 13	3 17
T 28	23 0	16 56	5 15	16 57	2 36	12 50	0 25	6 54	0 42	22 5	0 32	14 12	2 14	22 4	0 1	13 47	0 41	24 0	1 6	20 6	19 54	26 31	4 13	3 17
F 29	22 54	20 51	5 8	16 42	2 51	12 26	0 19	6 40	0 41	22 6	0 32	14 12	2 14	22 4	0 1	13 48	0 41	24 0	1 6	20 6	19 55	26 31	4 13	3 17
S 30	22n48	23n51	4n46	16n28	3s 5	12n 1	0n13	6n25	0n40	22s 7	0s33	14s11	2n14	22n 5	0s 1	13s48	0s41	24n 0	1n 6	20s 6	19s55	26n30	4n13	3n17

Julian Day Number = 2155856.5, Delta T = 13m42s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'07, Lahiri = 12°34'07 Julian Calendar 1 June 1190 == Greg. Calendar 8 June 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

JULY 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 54	14♋56'12	7♊24	3°R25	0♍ 1	15♍54	22°R48	14°R41	10♊22	25°R13	13♋ 5	0°R35	1♒25	25♊24	3°R 3	S 1
M 2	19 5 50	15°53'28	19°14	3♌16	0°53	16°30	22♑40	14♏40	10°25	25♒12	13° 7	0♒32	1°22	25°31	3♈ 2	M 2
T 3	19 9 47	16°50'44	1♋ 3	3° 3	1°44	17° 6	22°33	14°39	10°28	25°11	13° 9	0°31	1°18	25°37	3° 2	T 3
W 4	19 13 43	17°48'02	12°53	2°44	2°35	17°42	22°25	14°38	10°31	25°10	13°10	0°29	1°15	25°44	3° 2	W 4
T 5	19 17 40	18°45'20	24°48	2°21	3°25	18°18	22°17	14°37	10°34	25° 9	13°12	0°D29	1°12	25°51	3° 2	T 5
F 6	19 21 37	19°42'38	6♌48	1°54	4°14	18°54	22°10	14°37	10°37	25° 7	13°13	0°29	1° 9	25°57	3° 2	F 6
S 7	19 25 33	20°39'57	18°57	1°22	5° 2	19°30	22° 2	14°36	10°40	25° 6	13°15	0°29	1° 6	26° 4	3° 1	S 7
S 8	19 29 30	21°37'17	1♍16	0°47	5°50	20° 6	21°54	14°36	10°43	25° 5	13°17	0°30	1° 3	26°11	3° 1	S 8
M 9	19 33 26	22°34'37	13°47	0° 8	6°37	20°42	21°46	14°35	10°45	25° 4	13°18	0°31	0°59	26°17	3° 0	M 9
T 10	19 37 23	23°31'58	26°34	29♋27	7°23	21°19	21°38	14°35	10°48	25° 2	13°20	0°32	0°56	26°24	3° 0	T 10
W11	19 41 19	24°29'20	9♎39	28°44	8° 8	21°55	21°31	14°35	10°51	25° 1	13°21	0°32	0°53	26°31	2°59	W11
T 12	19 45 16	25°26'42	23° 4	28° 0	8°52	22°32	21°23	14°35	10°54	25° 0	13°23	0°R32	0°50	26°37	2°59	T 12
F 13	19 49 12	26°24'04	6♏50	27°15	9°36	23° 8	21°15	14°D35	10°57	24°58	13°25	0°32	0°47	26°44	2°58	F 13
S 14	19 53 9	27°21'27	20°58	26°30	10°18	23°45	21° 8	14°35	10°59	24°57	13°26	0°32	0°44	26°51	2°57	S 14
S 15	19 57 6	28°18'51	5♐27	25°46	11° 0	24°22	21° 0	14°35	11° 2	24°55	13°28	0°32	0°40	26°57	2°56	S 15
M16	20 1 2	29°16'16	20°12	25° 5	11°40	24°59	20°52	14°35	11° 5	24°54	13°29	0°31	0°37	27° 4	2°56	M16
T 17	20 4 59	0♑13'42	5♑ 8	24°26	12°20	25°36	20°45	14°36	11° 7	24°52	13°31	0°D31	0°34	27°11	2°55	T 17
W18	20 8 55	1°11'08	20° 8	23°50	12°58	26°13	20°37	14°36	11°10	24°51	13°32	0°31	0°31	27°18	2°54	W18
T 19	20 12 52	2° 8'36	5♒ 3	23°19	13°35	26°50	20°30	14°37	11°12	24°50	13°34	0°R31	0°28	27°24	2°53	T 19
F 20	20 16 48	3° 6'04	19°45	22°52	14°11	27°27	20°22	14°37	11°15	24°48	13°36	0°31	0°24	27°31	2°52	F 20
S 21	20 20 45	4° 3'33	4♓ 8	22°31	14°45	28° 5	20°15	14°38	11°17	24°47	13°37	0°31	0°21	27°38	2°51	S 21
S 22	20 24 41	5° 1'04	18° 8	22°16	15°19	28°42	20° 8	14°39	11°20	24°45	13°39	0°31	0°18	27°44	2°50	S 22
M23	20 28 38	5°58'36	1♈42	22° 8	15°51	29°20	20° 0	14°40	11°22	24°44	13°40	0°30	0°15	27°51	2°48	M23
T 24	20 32 35	6°56'10	14°50	22°D 6	16°21	29°57	19°53	14°41	11°25	24°42	13°42	0°30	0°12	27°58	2°47	T 24
W25	20 36 31	7°53'45	27°36	22°11	16°50	0♎35	19°46	14°42	11°27	24°40	13°43	0°29	0° 9	28° 4	2°46	W25
T 26	20 40 28	8°51'22	10♉ 1	22°23	17°18	1°13	19°39	14°43	11°29	24°39	13°45	0°D29	0° 5	28°11	2°45	T 26
F 27	20 44 24	9°49'00	22°10	22°42	17°44	1°51	19°32	14°45	11°31	24°37	13°46	0°29	0° 2	28°18	2°43	F 27
S 28	20 48 21	10°46'40	4♊ 8	23° 8	18° 9	2°29	19°26	14°46	11°34	24°36	13°48	0°30	29♑59	28°24	2°42	S 28
S 29	20 52 17	11°44'21	15°59	23°42	18°31	3° 7	19°19	14°48	11°36	24°34	13°49	0°31	29°56	28°31	2°40	S 29
M30	20 56 14	12°42'04	27°48	24°23	18°52	3°45	19°12	14°49	11°38	24°33	13°50	0°32	29°53	28°38	2°39	M30
T 31	21 0 10	13♑39'49	9♋38	25♋11	19♍12	4♎23	19♑ 6	14♏51	11♊40	24♒31	13♋52	0♒33	29♑50	28♊44	2♈37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n42	25n48	4n13	16n15	3s19	11n37	0n 7	6n11	0n39	22s 9	0s33	14s11	2n14	22n 5	0s 1	13s49	0s41	23n59	1n 6	20s 7	19s56	26n30	4n13	3n17
M 2	22 36	26 35	3 29	16 4	3 32	11 12	0s 0	5 56	0 38	22 10	0 33	14 11	2 13	22 6	0 1	13 49	0 41	23 59	1 6	20 7	19 57	26 29	4 14	3 17
T 3	22 29	26 8	2 36	15 55	3 45	10 48	0 7	5 41	0 37	22 12	0 33	14 11	2 13	22 6	0 1	13 50	0 41	23 59	1 6	20 8	19 57	26 29	4 14	3 17
W 4	22 21	24 31	1 36	15 47	3 57	10 23	0 14	5 26	0 36	22 13	0 33	14 11	2 13	22 6	0 1	13 50	0 41	23 59	1 6	20 8	19 58	26 28	4 14	3 17
T 5	22 14	21 47	0 31	15 42	4 8	9 58	0 21	5 11	0 35	22 15	0 33	14 11	2 13	22 7	0 1	13 50	0 41	23 59	1 6	20 8	19 59	26 28	4 14	3 17
F 6	22 5	18 5	0s35	15 37	4 19	9 34	0 28	4 56	0 34	22 16	0 34	14 11	2 12	22 7	0 1	13 51	0 41	23 59	1 6	20 8	19 59	26 27	4 14	3 18
S 7	21 57	13 37	1 41	15 35	4 28	9 9	0 36	4 41	0 33	22 17	0 34	14 11	2 12	22 8	0 1	13 51	0 41	23 59	1 6	20 8	20 0	26 27	4 14	3 18
S 8	21 48	8 33	2 43	15 35	4 36	8 44	0 44	4 26	0 32	22 19	0 34	14 11	2 12	22 8	0 1	13 52	0 41	23 59	1 6	20 8	20 1	26 26	4 14	3 18
M 9	21 39	3 3	3 38	15 37	4 42	8 20	0 51	4 11	0 32	22 20	0 34	14 12	2 12	22 9	0 1	13 52	0 41	23 59	1 6	20 8	20 2	26 26	4 13	3 18
T 10	21 29	2s39	4 24	15 40	4 47	7 55	0 59	3 56	0 31	22 21	0 34	14 12	2 11	22 9	0 1	13 53	0 41	23 59	1 6	20 8	20 2	26 25	4 13	3 18
W11	21 19	8 23	4 57	15 45	4 51	7 31	1 8	3 41	0 30	22 23	0 34	14 12	2 11	22 9	0 1	13 53	0 41	23 59	1 7	20 8	20 3	26 25	4 13	3 18
T 12	21 9	13 52	5 15	15 52	4 53	7 6	1 16	3 25	0 29	22 24	0 34	14 12	2 11	22 10	0 1	13 54	0 41	23 58	1 7	20 8	20 4	26 24	4 13	3 18
F 13	20 58	18 49	5 16	16 1	4 53	6 42	1 25	3 10	0 28	22 26	0 35	14 12	2 10	22 10	0 1	13 54	0 41	23 58	1 7	20 8	20 4	26 23	4 13	3 18
S 14	20 47	22 51	4 58	16 11	4 51	6 18	1 33	2 54	0 27	22 27	0 35	14 13	2 10	22 11	0 1	13 55	0 41	23 58	1 7	20 8	20 5	26 23	4 13	3 18
S 15	20 35	25 35	4 21	16 23	4 47	5 54	1 42	2 39	0 26	22 28	0 35	14 13	2 10	22 11	0 1	13 55	0 41	23 58	1 7	20 8	20 6	26 22	4 12	3 19
M16	20 24	26 36	3 26	16 35	4 42	5 30	1 51	2 24	0 25	22 30	0 35	14 13	2 10	22 11	0 1	13 56	0 41	23 58	1 7	20 8	20 6	26 22	4 12	3 19
T 17	20 11	25 43	2 16	16 49	4 35	5 6	2 1	2 8	0 25	22 31	0 35	14 14	2 9	22 12	0 1	13 56	0 41	23 58	1 7	20 8	20 7	26 21	4 12	3 19
W18	19 59	22 59	0 57	17 4	4 26	4 43	2 10	1 52	0 24	22 32	0 35	14 14	2 9	22 12	0 1	13 57	0 41	23 58	1 7	20 8	20 8	26 20	4 12	3 19
T 19	19 46	18 41	0n25	17 19	4 16	4 20	2 20	1 37	0 23	22 33	0 35	14 14	2 9	22 12	0 1	13 57	0 41	23 58	1 7	20 8	20 8	26 20	4 11	3 19
F 20	19 33	13 18	1 45	17 35	4 4	3 57	2 30	1 21	0 22	22 35	0 35	14 15	2 9	22 13	0 1	13 58	0 41	23 58	1 7	20 8	20 9	26 19	4 11	3 19
S 21	19 20	7 18	2 56	17 51	3 51	3 34	2 40	1 5	0 21	22 36	0 35	14 15	2 8	22 13	0 1	13 58	0 41	23 58	1 7	20 8	20 10	26 19	4 11	3 19
S 22	19 6	1 7	3 55	18 7	3 38	3 12	2 50	0 50	0 20	22 37	0 36	14 16	2 8	22 14	0 1	13 59	0 41	23 58	1 7	20 8	20 11	26 18	4 10	3 19
M23	18 52	4n56	4 38	18 23	3 23	2 50	3 0	0 34	0 20	22 38	0 36	14 16	2 8	22 14	0 1	13 59	0 41	23 57	1 7	20 8	20 11	26 17	4 10	3 19
T 24	18 37	10 34	5 6	18 39	3 7	2 29	3 11	0 18	0 19	22 39	0 36	14 17	2 8	22 14	0 1	14 0	0 41	23 57	1 7	20 8	20 12	26 17	4 10	3 19
W25	18 23	15 35	5 17	18 54	2 51	2 8	3 22	0 2	0 18	22 40	0 36	14 17	2 7	22 15	0 1	14 0	0 41	23 57	1 8	20 8	20 13	26 16	4 9	3 20
T 26	18 7	19 49	5 13	19 8	2 35	1 47	3 32	0s13	0 17	22 42	0 36	14 18	2 7	22 15	0 1	14 1	0 41	23 57	1 8	20 8	20 13	26 15	4 9	3 20
F 27	17 52	23 8	4 55	19 22	2 18	1 26	3 43	0 29	0 16	22 43	0 36	14 19	2 7	22 15	0 1	14 1	0 41	23 57	1 8	20 8	20 14	26 15	4 8	3 20
S 28	17 36	25 24	4 24	19 34	2 1	1 7	3 55	0 45	0 15	22 44	0 36	14 19	2 7	22 15	0 1	14 2	0 41	23 57	1 8	20 8	20 15	26 14	4 8	3 20
S 29	17 21	26 30	3 43	19 45	1 44	0 47	4 6	1 1	0 15	22 45	0 36	14 20	2 6	22 16	0 1	14 3	0 41	23 57	1 8	20 8	20 15	26 13	4 7	3 20
M30	17 4	26 23	2 52	19 55	1 27	0 29	4 17	1 17	0 14	22 46	0 36	14 21	2 6	22 16	0 1	14 3	0 41	23 57	1 8	20 8	20 16	26 13	4 7	3 20
T 31	16n48	25n 5	1n53	20n 2	1s10	0n11	4s29	1s33	0n13	22s47	0s36	14s22	2n 6	22n16	0s 1	14s 4	0s42	23n57	1n 8	20s 7	20s17	26n12	4n 6	3n20

Julian Day Number = 2155886.5, Delta T = 13m42s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'11, Lahiri = 12°34'11 Julian Calendar 1 July 1190 == Greg. Calendar 8 July 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

AUGUST 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 4 7	14♌37'35	21♋33	26♋ 6	19♍29	5♎ 2	19°R 0	14♏53	11♊42	24°R29	13♋53	0♒34	29♑46	28♊51	2°R36	W 1
T 2	21 8 4	15°35'22	3♌35	27° 7	19°45	5°40	18♑53	14°55	11°44	24♒28	13°55	0°R34	29°43	28°58	2♈34	T 2
F 3	21 12 0	16°33'12	15°47	28°15	19°58	6°19	18°47	14°57	11°46	24°26	13°56	0°33	29°40	29° 4	2°32	F 3
S 4	21 15 57	17°31'02	28°11	29°29	20°10	6°57	18°41	14°59	11°48	24°24	13°58	0°32	29°37	29°11	2°31	S 4
S 5	21 19 53	18°28'54	10♍47	0♌48	20°20	7°36	18°35	15° 1	11°50	24°23	13°59	0°30	29°34	29°18	2°29	S 5
M 6	21 23 50	19°26'47	23°36	2°14	20°27	8°15	18°30	15° 3	11°52	24°21	14° 0	0°27	29°30	29°24	2°27	M 6
T 7	21 27 46	20°24'42	6♎40	3°44	20°32	8°53	18°24	15° 6	11°53	24°20	14° 2	0°24	29°27	29°31	2°25	T 7
W 8	21 31 43	21°22'38	19°57	5°18	20°35	9°32	18°19	15° 8	11°55	24°18	14° 3	0°22	29°24	29°37	2°23	W 8
T 9	21 35 39	22°20'36	3♏29	6°57	20°R36	10°11	18°14	15°11	11°57	24°16	14° 4	0°20	29°21	29°44	2°21	T 9
F 10	21 39 36	23°18'35	17°16	8°40	20°34	10°50	18° 9	15°13	11°59	24°15	14° 6	0°D19	29°18	29°51	2°19	F 10
S 11	21 43 33	24°16'35	1♐16	10°25	20°30	11°30	18° 4	15°16	12° 0	24°13	14° 7	0°19	29°15	29°57	2°17	S 11
S 12	21 47 29	25°14'36	15°29	12°14	20°23	12° 9	17°59	15°19	12° 2	24°11	14° 8	0°20	29°11	0♋ 4	2°15	S 12
M13	21 51 26	26°12'40	29°54	14° 4	20°15	12°48	17°54	15°22	12° 3	24°10	14° 9	0°21	29° 8	0°11	2°13	M13
T 14	21 55 22	27°10'44	14♑26	15°57	20° 3	13°28	17°50	15°25	12° 5	24° 8	14°11	0°22	29° 5	0°17	2°11	T 14
W15	21 59 19	28° 8'50	29° 2	17°51	19°50	14° 7	17°45	15°28	12° 6	24° 6	14°12	0°R23	29° 2	0°24	2° 9	W15
T 16	22 3 15	29° 6'57	13♒37	19°46	19°34	14°47	17°41	15°31	12° 7	24° 5	14°13	0°22	28°59	0°31	2° 7	T 16
F 17	22 7 12	0♍ 5'06	28° 3	21°41	19°15	15°26	17°37	15°34	12° 9	24° 3	14°14	0°20	28°56	0°37	2° 5	F 17
S 18	22 11 8	1° 3'17	12♓17	23°37	18°55	16° 6	17°34	15°38	12°10	24° 2	14°16	0°17	28°52	0°44	2° 2	S 18
S 19	22 15 5	2° 1'30	26°11	25°34	18°32	16°46	17°30	15°41	12°11	24° 0	14°17	0°13	28°49	0°51	2° 0	S 19
M20	22 19 2	2°59'44	9♈44	27°30	18° 7	17°26	17°27	15°45	12°12	23°58	14°18	0° 7	28°46	0°57	1°58	M20
T 21	22 22 58	3°58'01	22°54	29°25	17°40	18° 5	17°23	15°48	12°14	23°57	14°19	0° 2	28°43	1° 4	1°55	T 21
W22	22 26 55	4°56'19	5♉42	1♍21	17°12	18°46	17°20	15°52	12°15	23°55	14°20	29♑58	28°40	1°11	1°53	W22
T 23	22 30 51	5°54'40	18° 9	3°15	16°41	19°26	17°17	15°56	12°16	23°53	14°21	29°55	28°36	1°17	1°51	T 23
F 24	22 34 48	6°53'03	0♊19	5° 9	16° 9	20° 6	17°15	15°59	12°17	23°52	14°22	29°53	28°33	1°24	1°48	F 24
S 25	22 38 44	7°51'28	12°17	7° 3	15°36	20°46	17°12	16° 3	12°18	23°50	14°23	29°D53	28°30	1°31	1°46	S 25
S 26	22 42 41	8°49'55	24° 8	8°55	15° 2	21°26	17°10	16° 7	12°18	23°49	14°24	29°54	28°27	1°37	1°43	S 26
M27	22 46 37	9°48'25	5♋57	10°46	14°26	22° 7	17° 8	16°11	12°19	23°47	14°25	29°56	28°24	1°44	1°41	M27
T 28	22 50 34	10°46'57	17°49	12°37	13°50	22°47	17° 6	16°15	12°20	23°46	14°26	29°57	28°21	1°51	1°38	T 28
W29	22 54 31	11°45'30	29°48	14°26	13°13	23°28	17° 4	16°20	12°21	23°44	14°27	29°R58	28°17	1°57	1°36	W29
T 30	22 58 27	12°44'06	11♌58	16°15	12°37	24° 9	17° 3	16°24	12°21	23°42	14°28	29°57	28°14	2° 4	1°33	T 30
F 31	23 2 24	13♍42'44	24♌22	18♍ 2	12♍ 0	24♎49	17♑ 1	16♏28	12♊22	23♒41	14♋29	29♑54	28♑11	2♋11	1♈30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n31	22n38	0n50	20n 8	0s54	0s 7	4s40	1s49	0n12	22s48	0s36	14s22	2n 6	22n17	0s 1	14s 4	0s42	23n57	1n 8	20s 7	20s17	26n11	4n 6	3n20
T 2	16 14	19 10	0s17	20 12	0 38	0 24	4 52	2 5	0 11	22 49	0 37	14 23	2 5	22 17	0 1	14 5	0 42	23 57	1 8	20 7	20 18	26 11	4 5	3 20
F 3	15 57	14 51	1 23	20 14	0 23	0 40	5 4	2 21	0 11	22 50	0 37	14 24	2 5	22 17	0 1	14 5	0 42	23 57	1 8	20 7	20 19	26 10	4 4	3 20
S 4	15 39	9 52	2 27	20 13	0 8	0 55	5 15	2 37	0 10	22 51	0 37	14 25	2 5	22 17	0 1	14 6	0 42	23 57	1 8	20 8	20 19	26 9	4 4	3 20
S 5	15 21	4 24	3 24	20 9	0n 5	1 10	5 27	2 53	0 9	22 51	0 37	14 26	2 5	22 18	0 1	14 6	0 42	23 57	1 8	20 8	20 20	26 9	4 3	3 20
M 6	15 3	1s19	4 12	20 3	0 19	1 24	5 39	3 9	0 8	22 52	0 37	14 27	2 4	22 18	0 1	14 7	0 42	23 56	1 9	20 9	20 21	26 8	4 3	3 21
T 7	14 45	7 4	4 48	19 54	0 31	1 36	5 51	3 25	0 8	22 53	0 37	14 27	2 4	22 18	0 1	14 8	0 42	23 56	1 9	20 9	20 21	26 7	4 2	3 21
W 8	14 26	12 36	5 10	19 43	0 42	1 48	6 3	3 42	0 7	22 54	0 37	14 28	2 4	22 19	0 1	14 8	0 42	23 56	1 9	20 10	20 22	26 6	4 1	3 21
T 9	14 8	17 39	5 14	19 28	0 53	1 59	6 14	3 58	0 6	22 55	0 37	14 29	2 4	22 19	0 1	14 9	0 42	23 56	1 9	20 10	20 23	26 6	4 0	3 21
F 10	13 49	21 52	5 1	19 11	1 3	2 9	6 26	4 14	0 5	22 55	0 37	14 30	2 3	22 19	0 1	14 9	0 42	23 56	1 9	20 10	20 23	26 5	4 0	3 21
S 11	13 29	24 55	4 30	18 51	1 11	2 18	6 37	4 30	0 4	22 56	0 37	14 31	2 3	22 19	0 1	14 10	0 42	23 56	1 9	20 10	20 24	26 4	3 59	3 21
S 12	13 10	26 26	3 42	18 28	1 19	2 26	6 49	4 46	0 4	22 57	0 37	14 32	2 3	22 19	0 1	14 10	0 42	23 56	1 9	20 10	20 25	26 3	3 58	3 21
M13	12 50	26 13	2 40	18 3	1 26	2 33	7 0	5 2	0 3	22 57	0 37	14 34	2 3	22 20	0 1	14 11	0 42	23 56	1 9	20 10	20 25	26 3	3 57	3 21
T 14	12 30	24 12	1 27	17 35	1 31	2 38	7 10	5 18	0 2	22 58	0 37	14 35	2 2	22 20	0 1	14 11	0 42	23 56	1 9	20 10	20 26	26 2	3 57	3 21
W15	12 10	20 34	0 7	17 5	1 36	2 43	7 21	5 34	0 1	22 59	0 37	14 36	2 2	22 20	0 1	14 12	0 42	23 56	1 9	20 9	20 27	26 1	3 56	3 21
T 16	11 50	15 40	1n12	16 32	1 40	2 46	7 31	5 50	0 1	22 59	0 37	14 37	2 2	22 20	0 1	14 13	0 42	23 56	1 9	20 10	20 27	26 0	3 55	3 21
F 17	11 30	9 55	2 26	15 58	1 43	2 47	7 40	6 6	0s 0	23 0	0 37	14 38	2 2	22 20	0 1	14 13	0 42	23 56	1 9	20 10	20 28	25 59	3 54	3 21
S 18	11 9	3 46	3 29	15 22	1 46	2 48	7 50	6 22	0 1	23 0	0 37	14 39	2 1	22 21	0 1	14 14	0 42	23 56	1 9	20 11	20 29	25 59	3 53	3 21
S 19	10 48	2n26	4 19	14 44	1 47	2 47	7 58	6 38	0 2	23 1	0 38	14 40	2 1	22 21	0 1	14 14	0 42	23 56	1 10	20 12	20 29	25 58	3 52	3 21
M20	10 27	8 21	4 53	14 5	1 48	2 44	8 6	6 54	0 2	23 1	0 38	14 42	2 1	22 21	0 0	14 15	0 42	23 56	1 10	20 13	20 30	25 57	3 51	3 21
T 21	10 6	13 43	5 9	13 24	1 48	2 41	8 14	7 10	0 3	23 2	0 38	14 43	2 1	22 21	0 0	14 15	0 42	23 56	1 10	20 14	20 31	25 56	3 51	3 21
W22	9 45	18 21	5 10	12 43	1 47	2 36	8 20	7 26	0 4	23 2	0 38	14 44	2 1	22 21	0 0	14 16	0 42	23 56	1 10	20 15	20 31	25 55	3 50	3 21
T 23	9 23	22 3	4 56	12 0	1 46	2 30	8 26	7 42	0 5	23 3	0 38	14 46	2 0	22 21	0 0	14 16	0 42	23 56	1 10	20 16	20 32	25 54	3 49	3 21
F 24	9 1	24 41	4 29	11 16	1 44	2 22	8 32	7 58	0 5	23 3	0 38	14 47	2 0	22 21	0 0	14 17	0 42	23 56	1 10	20 16	20 32	25 53	3 48	3 21
S 25	8 40	26 11	3 51	10 32	1 41	2 14	8 36	8 14	0 6	23 3	0 38	14 48	2 0	22 22	0 0	14 17	0 42	23 56	1 10	20 16	20 33	25 53	3 47	3 21
S 26	8 18	26 27	3 3	9 47	1 39	2 4	8 40	8 30	0 7	23 4	0 38	14 49	2 0	22 22	0 0	14 18	0 42	23 56	1 10	20 16	20 34	25 52	3 46	3 21
M27	7 56	25 31	2 7	9 2	1 35	1 53	8 42	8 46	0 7	23 4	0 38	14 51	1 59	22 22	0 0	14 19	0 42	23 56	1 10	20 15	20 34	25 51	3 45	3 21
T 28	7 33	23 26	1 6	8 16	1 31	1 41	8 44	9 2	0 8	23 4	0 38	14 52	1 59	22 22	0 0	14 19	0 42	23 56	1 10	20 15	20 35	25 50	3 44	3 21
W29	7 11	20 18	0 1	7 30	1 27	1 28	8 45	9 17	0 9	23 5	0 38	14 54	1 59	22 22	0 0	14 20	0 42	23 55	1 10	20 15	20 36	25 49	3 43	3 21
T 30	6 49	16 15	1s 5	6 43	1 23	1 14	8 45	9 33	0 10	23 5	0 38	14 55	1 59	22 22	0 0	14 20	0 42	23 55	1 11	20 15	20 36	25 48	3 42	3 21
F 31	6n26	11n26	2s 8	5n57	1n18	0s59	8s44	9s49	0s10	23s 5	0s38	14s57	1n59	22n22	0s 0	14s21	0s42	23n55	1n11	20s16	20s37	25n47	3n41	3n21

Julian Day Number = 2155917.5, Delta T = 13m42s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'15, Lahiri = 12°34'16 Julian Calendar 1 Aug. 1190 == Greg. Calendar 8 Aug. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

SEPTEMBER 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 6 20	14♍41'24	7♍ 3	19♍49	11°R23	25♎30	17°R 0	16♏33	12♊23	23°R39	14♋30	29°R50	28♑ 8	2♋17	1°R28	S 1
S 2	23 10 17	15°40'06	19°59	21°34	10♍47	26°11	16♑59	16°37	12°23	23♒38	14°31	29♑43	28° 5	2°24	1♈25	S 2
M 3	23 14 13	16°38'50	3♎12	23°19	10°11	26°52	16°58	16°42	12°24	23°36	14°32	29°35	28° 1	2°31	1°22	M 3
T 4	23 18 10	17°37'36	16°40	25° 2	9°37	27°33	16°58	16°46	12°24	23°35	14°33	29°27	27°58	2°37	1°20	T 4
W 5	23 22 6	18°36'23	0♏19	26°45	9° 3	28°14	16°57	16°51	12°24	23°33	14°34	29°19	27°55	2°44	1°17	W 5
T 6	23 26 3	19°35'13	14° 9	28°26	8°31	28°55	16°D57	16°56	12°25	23°32	14°35	29°13	27°52	2°51	1°14	T 6
F 7	23 30 0	20°34'05	28° 6	0♎ 7	8° 0	29°37	16°57	17° 1	12°25	23°31	14°35	29° 9	27°49	2°57	1°12	F 7
S 8	23 33 56	21°32'58	12♐ 9	1°46	7°31	0♏18	16°57	17° 6	12°25	23°29	14°36	29° 6	27°46	3° 4	1° 9	S 8
S 9	23 37 53	22°31'53	26°15	3°25	7° 4	0°59	16°58	17°11	12°25	23°28	14°37	29°D 6	27°42	3°11	1° 6	S 9
M10	23 41 49	23°30'50	10♑25	5° 3	6°39	1°41	16°58	17°16	12°25	23°26	14°38	29° 7	27°39	3°17	1° 4	M10
T 11	23 45 46	24°29'48	24°36	6°40	6°16	2°22	16°59	17°21	12°R25	23°25	14°38	29°R 8	27°36	3°24	1° 1	T 11
W12	23 49 42	25°28'49	8♒47	8°16	5°55	3° 4	17° 0	17°26	12°25	23°24	14°39	29° 7	27°33	3°31	0°58	W12
T 13	23 53 39	26°27'51	22°54	9°51	5°36	3°46	17° 1	17°31	12°25	23°22	14°40	29° 5	27°30	3°37	0°55	T 13
F 14	23 57 35	27°26'54	6♓56	11°25	5°20	4°27	17° 3	17°37	12°25	23°21	14°40	29° 0	27°27	3°44	0°53	F 14
S 15	0 1 32	28°26'00	20°48	12°59	5° 6	5° 9	17° 4	17°42	12°25	23°20	14°41	28°53	27°23	3°51	0°50	S 15
S 16	0 5 28	29°25'08	4♈27	14°31	4°55	5°51	17° 6	17°47	12°25	23°19	14°41	28°43	27°20	3°57	0°47	S 16
M17	0 9 25	0♎24'18	17°49	16° 3	4°45	6°33	17° 8	17°53	12°25	23°17	14°42	28°33	27°17	4° 4	0°44	M17
T 18	0 13 22	1°23'30	0♉52	17°34	4°39	7°15	17°10	17°59	12°24	23°16	14°43	28°22	27°14	4°11	0°41	T 18
W19	0 17 18	2°22'45	13°36	19° 4	4°35	7°57	17°13	18° 4	12°24	23°15	14°43	28°12	27°11	4°17	0°39	W19
T 20	0 21 15	3°22'02	26° 2	20°34	4°D33	8°39	17°15	18°10	12°23	23°14	14°44	28° 4	27° 7	4°24	0°36	T 20
F 21	0 25 11	4°21'21	8♊12	22° 2	4°34	9°22	17°18	18°15	12°23	23°13	14°44	27°58	27° 4	4°31	0°33	F 21
S 22	0 29 8	5°20'42	20°10	23°30	4°37	10° 4	17°21	18°21	12°22	23°12	14°45	27°55	27° 1	4°37	0°30	S 22
S 23	0 33 4	6°20'06	2♋ 0	24°57	4°42	10°46	17°24	18°27	12°22	23°10	14°45	27°D54	26°58	4°44	0°28	S 23
M24	0 37 1	7°19'32	13°49	26°24	4°50	11°29	17°27	18°33	12°21	23° 9	14°45	27°54	26°55	4°51	0°25	M24
T 25	0 40 57	8°19'00	25°40	27°49	5° 0	12°12	17°31	18°39	12°21	23° 8	14°46	27°R54	26°52	4°57	0°22	T 25
W26	0 44 54	9°18'31	7♌41	29°14	5°12	12°54	17°34	18°45	12°20	23° 7	14°46	27°54	26°48	5° 4	0°19	W26
T 27	0 48 51	10°18'04	19°55	0♏37	5°26	13°37	17°38	18°51	12°19	23° 6	14°46	27°52	26°45	5°10	0°17	T 27
F 28	0 52 47	11°17'40	2♍28	2° 0	5°42	14°20	17°42	18°57	12°18	23° 5	14°47	27°47	26°42	5°17	0°14	F 28
S 29	0 56 44	12°17'17	15°20	3°22	6° 1	15° 2	17°47	19° 3	12°17	23° 4	14°47	27°40	26°39	5°24	0°11	S 29
S 30	1 0 40	13♎16'57	28♍35	4♏42	6♍21	15♏45	17♑51	19♏ 9	12♊16	23♒ 3	14♋47	27♑30	26♑36	5♋30	0♈ 8	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 3	6n 4	3s 7	5n10	1n13	0s43	8s42	10s 4	0s11	23s 5	0s38	14s58	1n58	22n22	0s 0	14s21	0s42	23n55	1n11	20s17	20s38	25n46	3n40	3n21
S 2	5 40	0 21	3 57	4 23	1 7	0 27	8 39	10 20	0 12	23 5	0 38	14 59	1 58	22 22	0 0	14 22	0 42	23 55	1 11	20 18	20 38	25 45	3 39	3 21
M 3	5 18	5s29	4 36	3 37	1 2	0 10	8 35	10 36	0 12	23 5	0 38	15 1	1 58	22 23	0 0	14 22	0 42	23 55	1 11	20 20	20 39	25 45	3 38	3 21
T 4	4 55	11 11	5 0	2 50	0 56	0n 7	8 30	10 51	0 13	23 5	0 38	15 2	1 58	22 23	0 0	14 23	0 42	23 55	1 11	20 21	20 40	25 44	3 36	3 21
W 5	4 32	16 25	5 7	2 4	0 50	0 25	8 24	11 6	0 14	23 5	0 38	15 4	1 58	22 23	0 0	14 23	0 42	23 55	1 11	20 23	20 40	25 43	3 35	3 21
T 6	4 8	20 52	4 57	1 17	0 43	0 43	8 18	11 22	0 14	23 5	0 38	15 6	1 57	22 23	0 0	14 24	0 42	23 55	1 11	20 24	20 41	25 42	3 34	3 21
F 7	3 45	24 11	4 29	0 31	0 37	1 1	8 11	11 37	0 15	23 5	0 38	15 7	1 57	22 23	0 0	14 24	0 42	23 55	1 11	20 25	20 41	25 41	3 33	3 21
S 8	3 22	26 4	3 45	0s15	0 30	1 19	8 3	11 52	0 16	23 5	0 38	15 9	1 57	22 23	0 0	14 24	0 42	23 55	1 11	20 26	20 42	25 40	3 32	3 21
S 9	2 59	26 17	2 47	1 0	0 24	1 36	7 54	12 8	0 16	23 5	0 38	15 10	1 57	22 23	0 0	14 25	0 42	23 55	1 11	20 26	20 43	25 39	3 31	3 21
M10	2 35	24 47	1 39	1 45	0 17	1 54	7 45	12 23	0 17	23 5	0 38	15 12	1 57	22 23	0 0	14 25	0 42	23 55	1 12	20 26	20 43	25 38	3 30	3 21
T 11	2 12	21 42	0 24	2 30	0 10	2 12	7 36	12 38	0 18	23 5	0 38	15 13	1 56	22 23	0 0	14 26	0 42	23 55	1 12	20 25	20 44	25 37	3 29	3 21
W12	1 48	17 19	0n52	3 15	0 3	2 29	7 25	12 53	0 18	23 5	0 38	15 15	1 56	22 23	0 0	14 26	0 42	23 55	1 12	20 26	20 45	25 36	3 28	3 21
T 13	1 25	12 0	2 4	3 59	0s 4	2 45	7 15	13 8	0 19	23 5	0 38	15 17	1 56	22 23	0 0	14 27	0 42	23 56	1 12	20 26	20 45	25 35	3 26	3 21
F 14	1 1	6 6	3 8	4 42	0 11	3 2	7 3	13 22	0 20	23 5	0 38	15 18	1 56	22 23	0 0	14 27	0 42	23 56	1 12	20 27	20 46	25 34	3 25	3 21
S 15	0 38	0n 1	4 0	5 26	0 18	3 17	6 52	13 37	0 20	23 5	0 38	15 20	1 56	22 23	0 0	14 28	0 42	23 56	1 12	20 28	20 46	25 33	3 24	3 21
S 16	0 14	6 1	4 37	6 8	0 25	3 32	6 40	13 52	0 21	23 4	0 38	15 22	1 56	22 23	0 0	14 28	0 42	23 56	1 12	20 30	20 47	25 32	3 23	3 21
M17	0s10	11 37	4 58	6 50	0 32	3 47	6 28	14 6	0 22	23 4	0 38	15 23	1 55	22 23	0 0	14 28	0 42	23 56	1 12	20 33	20 48	25 31	3 22	3 21
T 18	0 33	16 33	5 3	7 32	0 40	4 1	6 16	14 21	0 22	23 4	0 38	15 25	1 55	22 23	0 0	14 29	0 42	23 56	1 12	20 35	20 48	25 30	3 21	3 21
W19	0 57	20 38	4 53	8 13	0 47	4 14	6 4	14 35	0 23	23 4	0 38	15 27	1 55	22 23	0 0	14 29	0 42	23 56	1 12	20 37	20 49	25 29	3 19	3 21
T 20	1 21	23 42	4 29	8 54	0 54	4 26	5 51	14 49	0 24	23 3	0 38	15 29	1 55	22 23	0 0	14 30	0 42	23 56	1 12	20 38	20 50	25 28	3 18	3 21
F 21	1 44	25 36	3 53	9 34	1 1	4 37	5 39	15 4	0 24	23 3	0 38	15 30	1 55	22 23	0 0	14 30	0 42	23 56	1 13	20 40	20 50	25 27	3 17	3 21
S 22	2 8	26 17	3 7	10 13	1 8	4 48	5 26	15 18	0 25	23 2	0 38	15 32	1 54	22 23	0 0	14 30	0 42	23 56	1 13	20 40	20 51	25 26	3 16	3 20
S 23	2 32	25 45	2 13	10 52	1 15	4 58	5 14	15 32	0 26	23 2	0 38	15 34	1 54	22 22	0 0	14 31	0 42	23 56	1 13	20 40	20 51	25 25	3 15	3 20
M24	2 55	24 3	1 14	11 30	1 22	5 7	5 1	15 46	0 26	23 2	0 38	15 36	1 54	22 22	0 0	14 31	0 42	23 56	1 13	20 40	20 52	25 24	3 14	3 20
T 25	3 19	21 18	0 12	12 7	1 29	5 15	4 49	15 59	0 27	23 1	0 38	15 37	1 54	22 22	0 0	14 31	0 42	23 56	1 13	20 40	20 53	25 23	3 12	3 20
W26	3 42	17 36	0s52	12 44	1 35	5 22	4 36	16 13	0 27	23 1	0 38	15 39	1 54	22 22	0 0	14 32	0 42	23 56	1 13	20 40	20 53	25 21	3 11	3 20
T 27	4 6	13 6	1 54	13 20	1 42	5 28	4 24	16 26	0 28	23 0	0 38	15 41	1 54	22 22	0 0	14 32	0 42	23 56	1 13	20 41	20 54	25 20	3 10	3 20
F 28	4 29	7 58	2 53	13 55	1 48	5 34	4 11	16 40	0 29	23 0	0 38	15 43	1 54	22 22	0 0	14 32	0 42	23 56	1 13	20 42	20 55	25 19	3 9	3 20
S 29	4 53	2 22	3 44	14 29	1 54	5 38	3 59	16 53	0 29	22 59	0 38	15 45	1 53	22 22	0 0	14 33	0 42	23 56	1 13	20 43	20 55	25 18	3 8	3 20
S 30	5s16	3s28	4s24	15s 2	2s 0	5n42	3s47	17s 6	0s30	22s58	0s38	15s46	1n53	22n22	0s 0	14s33	0s42	23n56	1n13	20s45	20s56	25n17	3n 6	3n20

Julian Day Number = 2155948.5, Delta T = 13m42s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'19, Lahiri = 12°34'20 Julian Calendar 1 Sept. 1190 == Greg. Calendar 8 Sept. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

OCTOBER 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 4 37	14♎16'38	12♎10	6♏ 2	6♍43	16♏28	17♑55	19♏15	12°R15	23°R 3	14♋47	27°R18	26♑33	5♋37	0°R 6	M 1
T 2	1 8 33	15°16'22	26° 4	7°20	7° 7	17°11	18° 0	19°22	12♊14	23♒ 2	14°48	27♑ 6	26°29	5°44	0♈ 3	T 2
W 3	1 12 30	16°16'08	10♏11	8°37	7°32	17°55	18° 5	19°28	12°13	23° 1	14°48	26°54	26°26	5°50	0° 0	W 3
T 4	1 16 26	17°15'56	24°27	9°53	8° 0	18°38	18°10	19°34	12°12	23° 0	14°48	26°44	26°23	5°57	29♓58	T 4
F 5	1 20 23	18°15'46	8♐45	11° 8	8°29	19°21	18°16	19°41	12°11	22°59	14°48	26°37	26°20	6° 4	29°55	F 5
S 6	1 24 20	19°15'37	23° 3	12°21	8°59	20° 4	18°21	19°47	12°10	22°59	14°48	26°33	26°17	6°10	29°53	S 6
S 7	1 28 16	20°15'30	7♑16	13°32	9°31	20°48	18°27	19°53	12° 9	22°58	14°48	26°31	26°13	6°17	29°50	S 7
M 8	1 32 13	21°15'25	21°22	14°41	10° 5	21°31	18°32	20° 0	12° 7	22°57	14°48	26°30	26°10	6°24	29°48	M 8
T 9	1 36 9	22°15'22	5♒22	15°48	10°39	22°15	18°38	20° 6	12° 6	22°56	14°R48	26°30	26° 7	6°30	29°45	T 9
W10	1 40 6	23°15'20	19°14	16°53	11°16	22°58	18°44	20°13	12° 4	22°56	14°48	26°29	26° 4	6°37	29°43	W10
T 11	1 44 2	24°15'20	2♓59	17°55	11°53	23°42	18°51	20°20	12° 3	22°55	14°48	26°26	26° 1	6°44	29°40	T 11
F 12	1 47 59	25°15'21	16°35	18°55	12°32	24°26	18°57	20°26	12° 2	22°55	14°48	26°19	25°58	6°50	29°38	F 12
S 13	1 51 55	26°15'24	0♈ 2	19°51	13°12	25° 9	19° 4	20°33	12° 0	22°54	14°48	26°10	25°54	6°57	29°35	S 13
S 14	1 55 52	27°15'29	13°18	20°44	13°53	25°53	19°11	20°40	11°58	22°54	14°48	25°58	25°51	7° 4	29°33	S 14
M15	1 59 49	28°15'35	26°21	21°33	14°35	26°37	19°18	20°46	11°57	22°53	14°48	25°45	25°48	7°10	29°31	M15
T 16	2 3 45	29°15'44	9♉ 9	22°17	15°19	27°21	19°25	20°53	11°55	22°53	14°48	25°31	25°45	7°17	29°28	T 16
W17	2 7 42	0♏15'54	21°43	22°57	16° 3	28° 5	19°32	21° 0	11°53	22°52	14°47	25°18	25°42	7°24	29°26	W17
T 18	2 11 38	1°16'07	4♊ 2	23°31	16°49	28°49	19°39	21° 7	11°52	22°52	14°47	25° 7	25°38	7°30	29°24	T 18
F 19	2 15 35	2°16'21	16° 8	23°59	17°35	29°33	19°47	21°13	11°50	22°52	14°47	24°59	25°35	7°37	29°21	F 19
S 20	2 19 31	3°16'38	28° 3	24°21	18°23	0♐18	19°54	21°20	11°48	22°51	14°47	24°54	25°32	7°43	29°19	S 20
S 21	2 23 28	4°16'56	9♋52	24°35	19°11	1° 2	20° 2	21°27	11°46	22°51	14°47	24°51	25°29	7°50	29°17	S 21
M22	2 27 24	5°17'17	21°39	24°R41	20° 0	1°46	20°10	21°34	11°44	22°51	14°46	24°D50	25°26	7°57	29°15	M22
T 23	2 31 21	6°17'39	3♌30	24°39	20°50	2°31	20°18	21°41	11°42	22°51	14°46	24°R50	25°23	8° 3	29°13	T 23
W24	2 35 18	7°18'03	15°29	24°27	21°41	3°15	20°27	21°48	11°40	22°50	14°46	24°50	25°19	8°10	29°11	W24
T 25	2 39 14	8°18'30	27°42	24° 5	22°33	4° 0	20°35	21°55	11°39	22°50	14°45	24°49	25°16	8°17	29° 9	T 25
F 26	2 43 11	9°18'58	10♍16	23°33	23°25	4°44	20°44	22° 2	11°36	22°50	14°45	24°45	25°13	8°23	29° 7	F 26
S 27	2 47 7	10°19'28	23°12	22°51	24°18	5°29	20°52	22° 9	11°34	22°50	14°44	24°38	25°10	8°30	29° 5	S 27
S 28	2 51 4	11°20'00	6♎35	21°59	25°12	6°14	21° 1	22°16	11°32	22°50	14°44	24°30	25° 7	8°37	29° 3	S 28
M29	2 55 0	12°20'33	20°24	20°58	26° 6	6°58	21°10	22°23	11°30	22°D50	14°43	24°19	25° 4	8°43	29° 1	M29
T 30	2 58 57	13°21'09	4♏36	19°48	27° 1	7°43	21°19	22°30	11°28	22°50	14°43	24° 7	25° 0	8°50	28°59	T 30
W31	3 2 53	14♏21'46	19♏ 7	18♏33	27♍57	8♐28	21♑28	22♏37	11♊26	22♒50	14♋42	23♑56	24♑57	8♋57	28♓58	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s39	9s17	4s51	15s35	2s 6	5n45	3s35	17s19	0s30	22s58	0s38	15s48	1n53	22n22	0s 0	14s33	0s42	23n56	1n14	20s48	20s56	25n16	3n 5	3n20
T 2	6 2	14 46	5 1	16 6	2 12	5 47	3 24	17 32	0 31	22 57	0 38	15 50	1 53	22 22	0 0	14 33	0 42	23 56	1 14	20 50	20 57	25 15	3 4	3 19
W 3	6 26	19 34	4 53	16 36	2 17	5 49	3 12	17 45	0 32	22 57	0 38	15 52	1 53	22 21	0 0	14 34	0 42	23 56	1 14	20 52	20 58	25 14	3 3	3 19
T 4	6 49	23 16	4 27	17 6	2 23	5 49	3 1	17 58	0 32	22 56	0 38	15 54	1 53	22 21	0 0	14 34	0 42	23 57	1 14	20 54	20 58	25 13	3 2	3 19
F 5	7 11	25 33	3 44	17 34	2 28	5 49	2 49	18 10	0 33	22 55	0 38	15 56	1 53	22 21	0 0	14 34	0 42	23 57	1 14	20 55	20 59	25 11	3 1	3 19
S 6	7 34	26 8	2 47	18 1	2 32	5 48	2 38	18 22	0 33	22 54	0 38	15 57	1 52	22 21	0 0	14 34	0 42	23 57	1 14	20 56	20 59	25 10	2 59	3 19
S 7	7 57	25 0	1 40	18 27	2 36	5 46	2 27	18 35	0 34	22 54	0 38	15 59	1 52	22 21	0 0	14 35	0 42	23 57	1 14	20 57	21 0	25 9	2 58	3 19
M 8	8 20	22 17	0 27	18 52	2 40	5 43	2 17	18 47	0 35	22 53	0 38	16 1	1 52	22 21	0 0	14 35	0 42	23 57	1 14	20 57	21 1	25 8	2 57	3 19
T 9	8 42	18 15	0n47	19 15	2 44	5 39	2 6	18 59	0 35	22 52	0 38	16 3	1 52	22 20	0 0	14 35	0 42	23 57	1 14	20 57	21 1	25 7	2 56	3 19
W10	9 4	13 16	1 57	19 37	2 47	5 35	1 56	19 10	0 36	22 51	0 38	16 5	1 52	22 20	0 0	14 35	0 42	23 57	1 14	20 57	21 2	25 6	2 55	3 18
T 11	9 27	7 40	3 0	19 57	2 49	5 30	1 46	19 22	0 36	22 50	0 38	16 7	1 52	22 20	0 0	14 35	0 42	23 57	1 15	20 58	21 2	25 4	2 54	3 18
F 12	9 49	1 46	3 52	20 16	2 51	5 25	1 36	19 33	0 37	22 49	0 38	16 9	1 52	22 20	0n 0	14 36	0 42	23 57	1 15	20 59	21 3	25 3	2 53	3 18
S 13	10 11	4n 8	4 30	20 33	2 53	5 18	1 26	19 45	0 37	22 48	0 38	16 10	1 52	22 20	0 0	14 36	0 42	23 57	1 15	21 1	21 4	25 2	2 52	3 18
S 14	10 33	9 46	4 53	20 48	2 54	5 11	1 17	19 56	0 38	22 47	0 38	16 12	1 51	22 20	0 0	14 36	0 42	23 58	1 15	21 3	21 4	25 1	2 51	3 18
M15	10 54	14 52	5 0	21 1	2 54	5 3	1 8	20 6	0 38	22 46	0 38	16 14	1 51	22 19	0 0	14 36	0 42	23 58	1 15	21 5	21 5	25 0	2 49	3 18
T 16	11 16	19 12	4 52	21 12	2 53	4 55	0 59	20 17	0 39	22 45	0 38	16 16	1 51	22 19	0 0	14 36	0 42	23 58	1 15	21 8	21 5	24 59	2 48	3 18
W17	11 37	22 36	4 29	21 21	2 51	4 46	0 50	20 28	0 39	22 44	0 38	16 18	1 51	22 19	0 0	14 36	0 42	23 58	1 15	21 10	21 6	24 57	2 47	3 17
T 18	11 58	24 53	3 55	21 28	2 49	4 36	0 41	20 38	0 40	22 43	0 38	16 20	1 51	22 19	0 0	14 36	0 42	23 58	1 15	21 12	21 7	24 56	2 46	3 17
F 19	12 19	25 58	3 10	21 31	2 45	4 26	0 33	20 48	0 41	22 42	0 38	16 22	1 51	22 18	0 0	14 37	0 42	23 58	1 15	21 14	21 7	24 55	2 45	3 17
S 20	12 40	25 49	2 17	21 32	2 40	4 15	0 24	20 58	0 41	22 41	0 38	16 23	1 51	22 18	0 0	14 37	0 41	23 58	1 15	21 15	21 8	24 54	2 44	3 17
S 21	13 0	24 29	1 19	21 30	2 34	4 3	0 16	21 8	0 42	22 40	0 38	16 25	1 51	22 18	0 0	14 37	0 41	23 58	1 15	21 15	21 8	24 52	2 43	3 17
M22	13 21	22 4	0 17	21 24	2 27	3 51	0 9	21 18	0 42	22 39	0 38	16 27	1 51	22 18	0 0	14 37	0 41	23 58	1 16	21 15	21 9	24 51	2 42	3 17
T 23	13 41	18 43	0s46	21 15	2 18	3 38	0 1	21 27	0 43	22 37	0 38	16 29	1 51	22 17	0 0	14 37	0 41	23 59	1 16	21 15	21 9	24 50	2 41	3 16
W24	14 1	14 33	1 47	21 2	2 8	3 25	0n 7	21 36	0 43	22 36	0 38	16 31	1 51	22 17	0 0	14 37	0 41	23 59	1 16	21 15	21 10	24 49	2 40	3 16
T 25	14 20	9 44	2 45	20 45	1 56	3 11	0 14	21 45	0 44	22 35	0 38	16 33	1 50	22 17	0 0	14 37	0 41	23 59	1 16	21 16	21 11	24 47	2 39	3 16
F 26	14 40	4 25	3 36	20 23	1 42	2 57	0 21	21 54	0 44	22 34	0 38	16 35	1 50	22 17	0 0	14 37	0 41	23 59	1 16	21 16	21 11	24 46	2 38	3 16
S 27	14 59	1s15	4 18	19 58	1 27	2 42	0 28	22 3	0 45	22 32	0 38	16 37	1 50	22 16	0 0	14 37	0 41	23 59	1 16	21 17	21 12	24 45	2 37	3 16
S 28	15 18	7 1	4 48	19 28	1 10	2 26	0 34	22 11	0 45	22 31	0 38	16 38	1 50	22 16	0 0	14 37	0 41	23 59	1 16	21 19	21 12	24 44	2 36	3 15
M29	15 37	12 39	5 1	18 54	0 51	2 11	0 41	22 19	0 46	22 29	0 38	16 40	1 50	22 16	0 0	14 37	0 41	23 59	1 16	21 21	21 13	24 42	2 35	3 15
T 30	15 55	17 46	4 57	18 17	0 32	1 54	0 47	22 27	0 46	22 28	0 38	16 42	1 50	22 16	0 0	14 37	0 41	24 0	1 16	21 23	21 13	24 41	2 35	3 15
W31	16s13	21s58	4s34	17s37	0s12	1n38	0n53	22s35	0s46	22s27	0s38	16s44	1n50	22n15	0n 0	14s37	0s41	24n 0	1n16	21s25	21s14	24n40	2n34	3n15

Julian Day Number = 2155978.5, Delta T = 13m41s
Ecliptic obliquity = 23°32'44, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'23, Lahiri = 12°34'24 Julian Calendar 1 Oct. 1190 == Greg. Calendar 8 Oct. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

NOVEMBER 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 6 50	15♏22'24	3♐49	17°R13	28♍53	9♐13	21♑38	22♏44	11°R24	22♒50	14°R42	23°R46	24♑54	9♋ 3	28°R56	T 1
F 2	3 10 47	16°23'05	18°35	15♏51	29°50	9°58	21°47	22°51	11♊21	22°50	14♋41	23♑39	24°51	9°10	28♓54	F 2
S 3	3 14 43	17°23'46	3♑16	14°31	0♎48	10°43	21°57	22°58	11°19	22°51	14°41	23°35	24°48	9°17	28°53	S 3
S 4	3 18 40	18°24'29	17°48	13°14	1°46	11°28	22° 6	23° 5	11°17	22°51	14°40	23°D34	24°44	9°23	28°51	S 4
M 5	3 22 36	19°25'12	2♒ 5	12° 3	2°44	12°13	22°16	23°12	11°15	22°51	14°39	23°34	24°41	9°30	28°50	M 5
T 6	3 26 33	20°25'57	16° 8	11° 1	3°43	12°59	22°26	23°19	11°12	22°51	14°39	23°R34	24°38	9°37	28°48	T 6
W 7	3 30 29	21°26'43	29°54	10° 9	4°43	13°44	22°36	23°26	11°10	22°52	14°38	23°34	24°35	9°43	28°47	W 7
T 8	3 34 26	22°27'29	13♓26	9°27	5°42	14°29	22°46	23°33	11° 8	22°52	14°37	23°32	24°32	9°50	28°45	T 8
F 9	3 38 22	23°28'17	26°45	8°57	6°43	15°15	22°57	23°40	11° 5	22°52	14°37	23°27	24°29	9°57	28°44	F 9
S 10	3 42 19	24°29'06	9♈50	8°39	7°44	16° 0	23° 7	23°48	11° 3	22°53	14°36	23°20	24°25	10° 3	28°43	S 10
S 11	3 46 16	25°29'55	22°44	8°D32	8°45	16°46	23°18	23°55	11° 0	22°53	14°35	23°11	24°22	10°10	28°41	S 11
M12	3 50 12	26°30'46	5♉25	8°36	9°46	17°31	23°28	24° 2	10°58	22°54	14°34	23° 0	24°19	10°16	28°40	M12
T 13	3 54 9	27°31'38	17°56	8°50	10°49	18°17	23°39	24° 9	10°55	22°54	14°33	22°49	24°16	10°23	28°39	T 13
W14	3 58 5	28°32'31	0♊15	9°13	11°51	19° 2	23°50	24°16	10°53	22°55	14°33	22°39	24°13	10°30	28°38	W14
T 15	4 2 2	29°33'26	12°24	9°44	12°54	19°48	24° 1	24°23	10°50	22°55	14°32	22°31	24°10	10°36	28°37	T 15
F 16	4 5 58	0♐34'21	24°23	10°23	13°57	20°34	24°12	24°30	10°48	22°56	14°31	22°24	24° 6	10°43	28°36	F 16
S 17	4 9 55	1°35'17	6♋15	11° 9	15° 1	21°20	24°23	24°37	10°45	22°57	14°30	22°20	24° 3	10°50	28°35	S 17
S 18	4 13 51	2°36'15	18° 2	12° 0	16° 4	22° 5	24°34	24°44	10°43	22°57	14°29	22°D19	24° 0	10°56	28°34	S 18
M19	4 17 48	3°37'14	29°48	12°57	17° 9	22°51	24°46	24°51	10°40	22°58	14°28	22°19	23°57	11° 3	28°33	M19
T 20	4 21 45	4°38'14	11♌38	13°58	18°13	23°37	24°57	24°58	10°38	22°59	14°27	22°20	23°54	11°10	28°33	T 20
W21	4 25 41	5°39'15	23°35	15° 3	19°18	24°23	25° 9	25° 5	10°35	23° 0	14°26	22°22	23°50	11°16	28°32	W21
T 22	4 29 38	6°40'17	5♍46	16°11	20°23	25° 9	25°20	25°12	10°33	23° 0	14°25	22°R22	23°47	11°23	28°31	T 22
F 23	4 33 34	7°41'20	18°15	17°23	21°28	25°55	25°32	25°19	10°30	23° 1	14°24	22°22	23°44	11°30	28°31	F 23
S 24	4 37 31	8°42'25	1♎ 8	18°37	22°34	26°41	25°44	25°26	10°28	23° 2	14°23	22°19	23°41	11°36	28°30	S 24
S 25	4 41 27	9°43'30	14°27	19°53	23°40	27°28	25°56	25°33	10°25	23° 3	14°22	22°15	23°38	11°43	28°30	S 25
M26	4 45 24	10°44'37	28°15	21°11	24°46	28°14	26° 8	25°40	10°22	23° 4	14°21	22° 9	23°35	11°50	28°29	M26
T 27	4 49 20	11°45'44	12♏31	22°31	25°53	29° 0	26°20	25°47	10°20	23° 5	14°20	22° 2	23°31	11°56	28°29	T 27
W28	4 53 17	12°46'52	27°11	23°53	27° 0	29°46	26°32	25°54	10°17	23° 6	14°19	21°56	23°28	12° 3	28°29	W28
T 29	4 57 14	13°48'01	12♐ 9	25°15	28° 6	0♑33	26°44	26° 1	10°15	23° 7	14°18	21°50	23°25	12° 9	28°28	T 29
F 30	5 1 10	14♐49'11	27♐15	26♏39	29♎14	1♑19	26♑56	26♏ 8	10♊12	23♒ 8	14♋17	21♑46	23♑22	12♋16	28♓28	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s31	24s48	3s52	16s54	0n 9	1n21	0n59	22s42	0s47	22s25	0s38	16s46	1n50	22n15	0n 0	14s37	0s41	24n 0	1n17	21s27	21s15	24n38	2n33	3n15
F 2	16 49	25 57	2 55	16 11	0 29	1 3	1 5	22 49	0 47	22 24	0 38	16 48	1 50	22 15	0 0	14 37	0 41	24 0	1 17	21 28	21 15	24 37	2 32	3 14
S 3	17 6	25 16	1 46	15 29	0 49	0 45	1 10	22 56	0 48	22 22	0 38	16 49	1 50	22 14	0 0	14 37	0 41	24 0	1 17	21 28	21 16	24 36	2 31	3 14
S 4	17 23	22 52	0 31	14 48	1 8	0 27	1 15	23 3	0 48	22 20	0 38	16 51	1 50	22 14	0 0	14 37	0 41	24 0	1 17	21 29	21 16	24 34	2 30	3 14
M 5	17 40	19 3	0n45	14 10	1 26	0 8	1 20	23 10	0 49	22 19	0 38	16 53	1 50	22 14	0 0	14 37	0 41	24 1	1 17	21 29	21 17	24 33	2 30	3 14
T 6	17 56	14 12	1 57	13 35	1 42	0s11	1 25	23 16	0 49	22 17	0 38	16 55	1 50	22 13	0 0	14 36	0 41	24 1	1 17	21 29	21 17	24 32	2 29	3 14
W 7	18 12	8 44	3 1	13 6	1 55	0 30	1 30	23 22	0 50	22 16	0 38	16 57	1 50	22 13	0 0	14 36	0 41	24 1	1 17	21 29	21 18	24 30	2 28	3 13
T 8	18 28	2 56	3 54	12 42	2 7	0 50	1 35	23 28	0 50	22 14	0 38	16 59	1 50	22 13	0 0	14 36	0 41	24 1	1 17	21 29	21 19	24 29	2 27	3 13
F 9	18 43	2n52	4 33	12 23	2 17	1 10	1 39	23 34	0 50	22 12	0 38	17 0	1 50	22 13	0 0	14 36	0 41	24 1	1 17	21 30	21 19	24 28	2 27	3 13
S 10	18 58	8 27	4 56	12 10	2 24	1 30	1 43	23 39	0 51	22 10	0 38	17 2	1 49	22 12	0 0	14 36	0 41	24 1	1 17	21 31	21 20	24 26	2 26	3 13
S 11	19 13	13 35	5 5	12 3	2 30	1 50	1 47	23 44	0 51	22 9	0 38	17 4	1 49	22 12	0 0	14 36	0 41	24 2	1 17	21 33	21 20	24 25	2 25	3 13
M12	19 28	18 3	4 58	12 1	2 33	2 11	1 51	23 49	0 52	22 7	0 38	17 6	1 49	22 12	0 0	14 36	0 41	24 2	1 18	21 34	21 21	24 24	2 24	3 12
T 13	19 42	21 40	4 36	12 3	2 36	2 32	1 55	23 53	0 52	22 5	0 38	17 7	1 49	22 11	0 0	14 35	0 41	24 2	1 18	21 36	21 21	24 22	2 24	3 12
W14	19 55	24 14	4 2	12 10	2 36	2 53	1 59	23 58	0 53	22 3	0 38	17 9	1 49	22 11	0 0	14 35	0 41	24 2	1 18	21 38	21 22	24 21	2 23	3 12
T 15	20 9	25 39	3 18	12 20	2 36	3 15	2 2	24 2	0 53	22 1	0 38	17 11	1 49	22 10	0 0	14 35	0 41	24 2	1 18	21 39	21 23	24 19	2 23	3 12
F 16	20 22	25 50	2 25	12 34	2 34	3 36	2 5	24 6	0 53	21 59	0 38	17 13	1 49	22 10	0 0	14 35	0 41	24 3	1 18	21 40	21 23	24 18	2 22	3 11
S 17	20 34	24 49	1 26	12 51	2 31	3 58	2 8	24 9	0 54	21 57	0 38	17 14	1 49	22 10	0 0	14 35	0 41	24 3	1 18	21 41	21 24	24 17	2 21	3 11
S 18	20 46	22 42	0 23	13 10	2 28	4 20	2 11	24 12	0 54	21 55	0 38	17 16	1 49	22 9	0 0	14 34	0 41	24 3	1 18	21 41	21 24	24 15	2 21	3 11
M19	20 58	19 37	0s40	13 31	2 23	4 42	2 14	24 15	0 54	21 53	0 38	17 18	1 49	22 9	0 0	14 34	0 41	24 3	1 18	21 41	21 25	24 14	2 20	3 11
T 20	21 10	15 44	1 43	13 54	2 18	5 4	2 16	24 18	0 55	21 51	0 38	17 20	1 49	22 9	0 0	14 34	0 41	24 3	1 18	21 41	21 25	24 12	2 20	3 11
W21	21 21	11 11	2 41	14 18	2 13	5 27	2 19	24 21	0 55	21 49	0 38	17 21	1 49	22 8	0 0	14 34	0 41	24 3	1 18	21 41	21 26	24 11	2 19	3 10
T 22	21 31	6 8	3 34	14 44	2 7	5 49	2 21	24 23	0 55	21 47	0 38	17 23	1 49	22 8	0 0	14 33	0 41	24 4	1 18	21 41	21 26	24 10	2 19	3 10
F 23	21 41	0 43	4 17	15 10	2 1	6 12	2 23	24 25	0 56	21 45	0 38	17 25	1 49	22 8	0 0	14 33	0 41	24 4	1 19	21 41	21 27	24 8	2 18	3 10
S 24	21 51	4s52	4 49	15 37	1 54	6 34	2 25	24 26	0 56	21 43	0 38	17 26	1 49	22 7	0 0	14 33	0 41	24 4	1 19	21 41	21 28	24 7	2 18	3 10
S 25	22 0	10 26	5 7	16 4	1 47	6 57	2 27	24 28	0 57	21 40	0 38	17 28	1 49	22 7	0 0	14 32	0 41	24 4	1 19	21 42	21 28	24 5	2 18	3 9
M26	22 9	15 41	5 8	16 31	1 40	7 20	2 29	24 29	0 57	21 38	0 38	17 30	1 49	22 7	0 0	14 32	0 41	24 4	1 19	21 43	21 29	24 4	2 17	3 9
T 27	22 18	20 16	4 51	16 59	1 33	7 43	2 30	24 30	0 57	21 36	0 38	17 31	1 49	22 6	0 0	14 32	0 41	24 5	1 19	21 44	21 29	24 2	2 17	3 9
W28	22 26	23 44	4 14	17 27	1 26	8 5	2 31	24 30	0 57	21 34	0 38	17 33	1 49	22 6	0 0	14 31	0 41	24 5	1 19	21 45	21 30	24 1	2 16	3 9
T 29	22 33	25 38	3 19	17 54	1 18	8 28	2 33	24 30	0 58	21 31	0 38	17 34	1 49	22 6	0 0	14 31	0 41	24 5	1 19	21 46	21 30	23 59	2 16	3 8
F 30	22s41	25s41	2s10	18s21	1n11	8s51	2n34	24s30	0s58	21s29	0s38	17s36	1n49	22n 5	0n 0	14s31	0s41	24n 5	1n19	21s47	21s31	23n58	2n16	3n 8

Julian Day Number = 2156009.5, Delta T = 13m41s
Ecliptic obliquity = 23°32'43, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'28, Lahiri = 12°34'28 Julian Calendar 1 Nov. 1190 == Greg. Calendar 8 Nov. 1190

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ASTRODIENST EPHEMERIS for the year 1190
geocentric

DECEMBER 1190 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 5 7	15♐50'21	12♑20	28♏ 4	0♏21	2♑ 5	27♑ 9	26♏15	10°R10	23♒ 9	14°R16	21°R44	23♑19	12♋23	28°R28	S 1
S 2	5 9 3	16°51'32	27°15	29°29	1°29	2°52	27°21	26°21	10♊ 7	23°10	14♋15	21°D44	23°16	12°29	28♓28	S 2
M 3	5 13 0	17°52'42	11♒53	0♐56	2°36	3°38	27°34	26°28	10° 5	23°12	14°14	21♑45	23°12	12°36	28°D28	M 3
T 4	5 16 56	18°53'53	26°11	2°23	3°44	4°25	27°46	26°35	10° 2	23°13	14°12	21°47	23° 9	12°43	28°28	T 4
W 5	5 20 53	19°55'04	10♓ 6	3°50	4°53	5°11	27°59	26°42	9°59	23°14	14°11	21°48	23° 6	12°49	28°28	W 5
T 6	5 24 50	20°56'14	23°39	5°18	6° 1	5°58	28°12	26°48	9°57	23°15	14°10	21°R48	23° 3	12°56	28°28	T 6
F 7	5 28 46	21°57'25	6♈51	6°47	7° 9	6°45	28°24	26°55	9°54	23°17	14° 9	21°47	23° 0	13° 3	28°28	F 7
S 8	5 32 43	22°58'36	19°46	8°16	8°18	7°31	28°37	27° 2	9°52	23°18	14° 8	21°45	22°56	13° 9	28°29	S 8
S 9	5 36 39	23°59'47	2♉24	9°46	9°27	8°18	28°50	27° 8	9°50	23°19	14° 6	21°41	22°53	13°16	28°29	S 9
M10	5 40 36	25° 0'58	14°50	11°16	10°36	9° 5	29° 3	27°15	9°47	23°21	14° 5	21°37	22°50	13°23	28°29	M10
T 11	5 44 32	26° 2'09	27° 4	12°46	11°45	9°52	29°16	27°21	9°45	23°22	14° 4	21°32	22°47	13°29	28°30	T 11
W12	5 48 29	27° 3'19	9♊ 9	14°17	12°54	10°38	29°29	27°28	9°42	23°24	14° 3	21°28	22°44	13°36	28°30	W12
T 13	5 52 25	28° 4'30	21° 7	15°48	14° 4	11°25	29°43	27°34	9°40	23°25	14° 2	21°24	22°41	13°43	28°31	T 13
F 14	5 56 22	29° 5'41	2♋59	17°20	15°14	12°12	29°56	27°41	9°37	23°26	14° 0	21°22	22°37	13°49	28°31	F 14
S 15	6 0 19	0♑ 6'52	14°48	18°52	16°23	12°59	0♒ 9	27°47	9°35	23°28	13°59	21°20	22°34	13°56	28°32	S 15
S 16	6 4 15	1° 8'03	26°35	20°24	17°33	13°46	0°23	27°53	9°33	23°30	13°58	21°D20	22°31	14° 3	28°33	S 16
M17	6 8 12	2° 9'14	8♌23	21°57	18°43	14°33	0°36	28° 0	9°30	23°31	13°56	21°21	22°28	14° 9	28°33	M17
T 18	6 12 8	3°10'25	20°16	23°30	19°54	15°20	0°49	28° 6	9°28	23°33	13°55	21°23	22°25	14°16	28°34	T 18
W19	6 16 5	4°11'36	2♍15	25° 3	21° 4	16° 7	1° 3	28°12	9°26	23°34	13°54	21°24	22°22	14°22	28°35	W19
T 20	6 20 1	5°12'47	14°27	26°37	22°14	16°54	1°16	28°18	9°24	23°36	13°53	21°26	22°18	14°29	28°36	T 20
F 21	6 23 58	6°13'58	26°54	28°11	23°25	17°41	1°30	28°24	9°21	23°38	13°51	21°27	22°15	14°36	28°37	F 21
S 22	6 27 54	7°15'09	9♎41	29°46	24°35	18°28	1°44	28°30	9°19	23°39	13°50	21°R27	22°12	14°42	28°38	S 22
S 23	6 31 51	8°16'20	22°52	1♑21	25°46	19°15	1°57	28°36	9°17	23°41	13°49	21°26	22° 9	14°49	28°39	S 23
M24	6 35 48	9°17'31	6♏29	2°56	26°57	20° 2	2°11	28°42	9°15	23°43	13°47	21°25	22° 6	14°56	28°40	M24
T 25	6 39 44	10°18'42	20°35	4°32	28° 8	20°49	2°25	28°48	9°13	23°45	13°46	21°24	22° 2	15° 2	28°42	T 25
W26	6 43 41	11°19'53	5♐ 7	6° 9	29°19	21°37	2°39	28°54	9°11	23°46	13°45	21°23	21°59	15° 9	28°43	W26
T 27	6 47 37	12°21'03	20° 0	7°45	0♐30	22°24	2°53	29° 0	9° 9	23°48	13°43	21°21	21°56	15°16	28°44	T 27
F 28	6 51 34	13°22'13	5♑ 9	9°23	1°42	23°11	3° 6	29° 6	9° 7	23°50	13°42	21°21	21°53	15°22	28°45	F 28
S 29	6 55 30	14°23'23	20°23	11° 1	2°53	23°58	3°20	29°11	9° 5	23°52	13°41	21°D21	21°50	15°29	28°47	S 29
S 30	6 59 27	15°24'32	5♒34	12°39	4° 4	24°45	3°34	29°17	9° 3	23°54	13°40	21°21	21°47	15°36	28°48	S 30
M31	7 3 23	16♑25'41	20♒31	14♑18	5♐16	25♑33	3♒48	29♏23	9♊ 1	23♒56	13♋38	21♑21	21♑43	15♋42	28♓50	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s47	23s49	0s51	18s48	1n 3	9s14	2n35	24s30	0s58	21s27	0s38	17s38	1n49	22n 5	0n 1	14s30	0s41	24n 5	1n19	21s47	21s31	23n56	2n16	3n 8
S 2	22 54	20 19	0n30	19 14	0 55	9 36	2 36	24 30	0 59	21 24	0 38	17 39	1 49	22 4	0 1	14 30	0 41	24 6	1 19	21 47	21 32	23 55	2 15	3 8
M 3	22 59	15 34	1 48	19 39	0 48	9 59	2 36	24 29	0 59	21 22	0 38	17 41	1 49	22 4	0 1	14 29	0 41	24 6	1 19	21 47	21 32	23 53	2 15	3 8
T 4	23 5	10 4	2 57	20 4	0 40	10 22	2 37	24 28	0 59	21 19	0 38	17 42	1 49	22 4	0 1	14 29	0 41	24 6	1 19	21 46	21 33	23 52	2 15	3 7
W 5	23 10	4 12	3 54	20 29	0 33	10 44	2 37	24 26	1 0	21 17	0 38	17 44	1 49	22 3	0 1	14 29	0 41	24 6	1 20	21 46	21 33	23 50	2 15	3 7
T 6	23 14	1n42	4 37	20 52	0 25	11 7	2 37	24 24	1 0	21 14	0 38	17 45	1 49	22 3	0 1	14 28	0 41	24 6	1 20	21 46	21 34	23 49	2 15	3 7
F 7	23 18	7 22	5 3	21 15	0 18	11 29	2 38	24 22	1 0	21 12	0 38	17 47	1 49	22 3	0 1	14 28	0 41	24 7	1 20	21 46	21 35	23 47	2 14	3 7
S 8	23 21	12 35	5 13	21 37	0 10	11 51	2 38	24 20	1 0	21 9	0 38	17 48	1 49	22 2	0 1	14 27	0 41	24 7	1 20	21 47	21 35	23 46	2 14	3 6
S 9	23 24	17 10	5 8	21 58	0 3	12 13	2 38	24 18	1 1	21 6	0 38	17 50	1 49	22 2	0 1	14 27	0 41	24 7	1 20	21 47	21 36	23 44	2 14	3 6
M10	23 27	20 57	4 48	22 18	0s 4	12 35	2 37	24 15	1 1	21 4	0 38	17 51	1 49	22 2	0 1	14 26	0 41	24 7	1 20	21 48	21 36	23 43	2 14	3 6
T 11	23 29	23 44	4 16	22 37	0 11	12 56	2 37	24 12	1 1	21 1	0 38	17 53	1 49	22 1	0 1	14 26	0 41	24 8	1 20	21 49	21 37	23 41	2 14	3 6
W12	23 31	25 25	3 32	22 55	0 18	13 18	2 37	24 8	1 1	20 58	0 38	17 54	1 49	22 1	0 1	14 25	0 41	24 8	1 20	21 49	21 37	23 40	2 14	3 5
T 13	23 32	25 53	2 39	23 12	0 25	13 39	2 36	24 4	1 2	20 55	0 38	17 56	1 50	22 0	0 1	14 25	0 41	24 8	1 20	21 50	21 38	23 38	2 14	3 5
F 14	23 33	25 10	1 40	23 28	0 32	14 0	2 35	24 0	1 2	20 53	0 38	17 57	1 50	22 0	0 1	14 24	0 41	24 8	1 20	21 50	21 38	23 37	2 14	3 5
S 15	23 33	23 19	0 36	23 43	0 38	14 21	2 34	23 56	1 2	20 50	0 38	17 58	1 50	22 0	0 1	14 24	0 41	24 8	1 20	21 51	21 39	23 35	2 14	3 5
S 16	23 32	20 27	0s29	23 56	0 45	14 41	2 34	23 52	1 2	20 47	0 38	18 0	1 50	21 59	0 1	14 23	0 41	24 9	1 20	21 51	21 39	23 33	2 14	3 4
M17	23 32	16 45	1 33	24 9	0 51	15 2	2 33	23 47	1 2	20 44	0 38	18 1	1 50	21 59	0 1	14 23	0 41	24 9	1 20	21 51	21 40	23 32	2 14	3 4
T 18	23 30	12 22	2 33	24 20	0 57	15 21	2 31	23 42	1 3	20 41	0 38	18 2	1 50	21 59	0 1	14 22	0 41	24 9	1 21	21 50	21 40	23 30	2 14	3 4
W19	23 29	7 29	3 28	24 30	1 3	15 41	2 30	23 36	1 3	20 38	0 39	18 4	1 50	21 58	0 1	14 22	0 41	24 9	1 21	21 50	21 41	23 29	2 15	3 4
T 20	23 27	2 15	4 14	24 38	1 8	16 1	2 29	23 31	1 3	20 35	0 39	18 5	1 50	21 58	0 1	14 21	0 41	24 9	1 21	21 50	21 41	23 27	2 15	3 4
F 21	23 24	3s10	4 49	24 46	1 14	16 20	2 28	23 25	1 3	20 32	0 39	18 6	1 50	21 58	0 1	14 21	0 41	24 10	1 21	21 50	21 42	23 26	2 15	3 3
S 22	23 21	8 36	5 11	24 52	1 19	16 38	2 26	23 19	1 3	20 29	0 39	18 8	1 50	21 57	0 1	14 20	0 41	24 10	1 21	21 50	21 42	23 24	2 15	3 3
S 23	23 17	13 50	5 17	24 56	1 24	16 57	2 25	23 12	1 3	20 26	0 39	18 9	1 50	21 57	0 1	14 20	0 41	24 10	1 21	21 50	21 43	23 22	2 15	3 3
M24	23 13	18 33	5 6	24 59	1 29	17 15	2 23	23 5	1 4	20 23	0 39	18 10	1 50	21 57	0 1	14 19	0 41	24 10	1 21	21 50	21 43	23 21	2 16	3 3
T 25	23 9	22 25	4 37	25 1	1 33	17 32	2 21	22 58	1 4	20 20	0 39	18 11	1 50	21 57	0 1	14 18	0 41	24 10	1 21	21 50	21 44	23 19	2 16	3 2
W26	23 4	25 1	3 50	25 1	1 37	17 50	2 19	22 51	1 4	20 17	0 39	18 13	1 50	21 56	0 1	14 18	0 41	24 11	1 21	21 50	21 44	23 17	2 16	3 2
T 27	22 58	25 55	2 46	25 0	1 41	18 6	2 17	22 44	1 4	20 14	0 39	18 14	1 50	21 56	0 1	14 17	0 41	24 11	1 21	21 50	21 45	23 16	2 17	3 2
F 28	22 52	24 55	1 29	24 58	1 45	18 23	2 15	22 36	1 4	20 11	0 39	18 15	1 50	21 56	0 1	14 17	0 41	24 11	1 21	21 51	21 45	23 14	2 17	3 2
S 29	22 46	22 5	0 5	24 53	1 49	18 39	2 13	22 28	1 4	20 8	0 39	18 16	1 50	21 55	0 1	14 16	0 41	24 11	1 21	21 51	21 46	23 13	2 17	3 2
S 30	22 39	17 42	1n18	24 48	1 52	18 54	2 11	22 19	1 4	20 4	0 39	18 17	1 51	21 55	0 1	14 15	0 41	24 11	1 21	21 51	21 46	23 11	2 18	3 1
M31	22s32	12s16	2n35	24s40	1s54	19s10	2n 9	22s11	1s 4	20s 1	0s39	18s18	1n51	21n55	0n 1	14s15	0s41	24n12	1n21	21s51	21s47	23n 9	2n18	3n 1

Julian Day Number = 2156039.5, Delta T = 13m41s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'32, Lahiri = 12°34'32 Julian Calendar 1 Dec. 1190 == Greg. Calendar 8 Dec. 1190

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

JANUARY 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 7 20	17♑26'48	5♓ 7	15♑58	6♐27	26♑20	4♒ 2	29♏28	8°R59	23♒57	13°R37	21♑22	21♑40	15♋49	28♓51	T 1
W 2	7 11 17	18°27'54	19°18	17°38	7°39	27° 7	4°16	29°34	8♊57	23°59	13♋36	21°22	21°37	15°56	28°53	W 2
T 3	7 15 13	19°29'00	3♈ 2	19°18	8°51	27°55	4°30	29°39	8°55	24° 1	13°34	21°22	21°34	16° 2	28°55	T 3
F 4	7 19 10	20°30'04	16°20	21° 0	10° 3	28°42	4°45	29°44	8°54	24° 3	13°33	21°22	21°31	16° 9	28°56	F 4
S 5	7 23 6	21°31'07	29°15	22°41	11°14	29°29	4°59	29°50	8°52	24° 5	13°32	21°22	21°28	16°15	28°58	S 5
S 6	7 27 3	22°32'10	11♉49	24°24	12°26	0♒17	5°13	29°55	8°50	24° 7	13°30	21°22	21°24	16°22	29° 0	S 6
M 7	7 30 59	23°33'11	24° 6	26° 7	13°38	1° 4	5°27	0♐ 0	8°49	24° 9	13°29	21°22	21°21	16°29	29° 2	M 7
T 8	7 34 56	24°34'11	6♊11	27°50	14°50	1°51	5°41	0° 5	8°47	24°11	13°28	21°23	21°18	16°35	29° 4	T 8
W 9	7 38 52	25°35'10	18° 7	29°35	16° 2	2°39	5°55	0°10	8°46	24°13	13°27	21°23	21°15	16°42	29° 6	W 9
T 10	7 42 49	26°36'07	29°57	1♒19	17°14	3°26	6°10	0°15	8°44	24°15	13°25	21°24	21°12	16°49	29° 8	T 10
F 11	7 46 46	27°37'04	11♋45	3° 4	18°27	4°14	6°24	0°20	8°43	24°17	13°24	21°24	21° 8	16°55	29°10	F 11
S 12	7 50 42	28°37'59	23°32	4°50	19°39	5° 1	6°38	0°25	8°41	24°20	13°23	21°R24	21° 5	17° 2	29°12	S 12
S 13	7 54 39	29°38'54	5♌22	6°36	20°51	5°48	6°52	0°29	8°40	24°22	13°22	21°24	21° 2	17° 9	29°14	S 13
M14	7 58 35	0♒39'47	17°16	8°22	22° 4	6°36	7° 7	0°34	8°39	24°24	13°20	21°23	20°59	17°15	29°16	M14
T 15	8 2 32	1°40'39	29°17	10° 9	23°16	7°23	7°21	0°39	8°37	24°26	13°19	21°22	20°56	17°22	29°19	T 15
W16	8 6 28	2°41'30	11♍25	11°56	24°28	8°11	7°35	0°43	8°36	24°28	13°18	21°20	20°53	17°29	29°21	W16
T 17	8 10 25	3°42'20	23°45	13°42	25°41	8°58	7°50	0°48	8°35	24°30	13°17	21°18	20°49	17°35	29°23	T 17
F 18	8 14 21	4°43'09	6♎17	15°29	26°54	9°46	8° 4	0°52	8°34	24°32	13°15	21°17	20°46	17°42	29°25	F 18
S 19	8 18 18	5°43'57	19° 6	17°15	28° 6	10°33	8°18	0°56	8°33	24°35	13°14	21°15	20°43	17°48	29°28	S 19
S 20	8 22 15	6°44'44	2♏13	19° 1	29°19	11°20	8°33	1° 0	8°32	24°37	13°13	21°D15	20°40	17°55	29°30	S 20
M21	8 26 11	7°45'30	15°41	20°45	0♑31	12° 8	8°47	1° 5	8°31	24°39	13°12	21°15	20°37	18° 2	29°33	M21
T 22	8 30 8	8°46'15	29°32	22°29	1°44	12°55	9° 1	1° 9	8°30	24°41	13°11	21°16	20°34	18° 8	29°35	T 22
W23	8 34 4	9°46'59	13♐46	24°11	2°57	13°43	9°16	1°13	8°29	24°43	13° 9	21°17	20°30	18°15	29°38	W23
T 24	8 38 1	10°47'42	28°22	25°51	4°10	14°30	9°30	1°16	8°28	24°46	13° 8	21°18	20°27	18°22	29°40	T 24
F 25	8 41 57	11°48'24	13♑15	27°29	5°23	15°18	9°44	1°20	8°27	24°48	13° 7	21°19	20°24	18°28	29°43	F 25
S 26	8 45 54	12°49'04	28°19	29° 4	6°36	16° 5	9°59	1°24	8°27	24°50	13° 6	21°R19	20°21	18°35	29°46	S 26
S 27	8 49 51	13°49'43	13♒26	0♓35	7°48	16°53	10°13	1°28	8°26	24°52	13° 5	21°18	20°18	18°42	29°49	S 27
M28	8 53 47	14°50'20	28°26	2° 2	9° 1	17°40	10°27	1°31	8°25	24°55	13° 4	21°16	20°14	18°48	29°51	M28
T 29	8 57 44	15°50'56	13♓11	3°25	10°14	18°28	10°42	1°35	8°25	24°57	13° 3	21°12	20°11	18°55	29°54	T 29
W30	9 1 40	16°51'30	27°34	4°42	11°27	19°15	10°56	1°38	8°24	24°59	13° 2	21° 9	20° 8	19° 2	29°57	W30
T 31	9 5 37	17♒52'02	11♈29	5♓54	12♑40	20♒ 2	11♒10	1♐41	8♊24	25♒ 1	13♋ 1	21♑ 5	20♑ 5	19♋ 8	29♓59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s24	6s16	3n40	24s31	1s57	19s24	2n 7	22s 2	1s 5	19s58	0s39	18s19	1n51	21n54	0n 1	14s14	0s41	24n12	1n22	21s50	21s48	23n 8	2n18	3n 1
W 2	22 16	0 7	4 30	24 21	1 59	19 38	2 4	21 53	1 5	19 55	0 39	18 21	1 51	21 54	0 1	14 13	0 41	24 12	1 22	21 50	21 48	23 6	2 19	3 1
T 3	22 7	5n50	5 2	24 9	2 1	19 52	2 2	21 44	1 5	19 51	0 39	18 22	1 51	21 54	0 1	14 13	0 41	24 12	1 22	21 50	21 49	23 4	2 19	3 0
F 4	21 58	11 19	5 17	23 55	2 2	20 5	1 59	21 34	1 5	19 48	0 39	18 23	1 51	21 54	0 1	14 12	0 41	24 12	1 22	21 50	21 49	23 3	2 20	3 0
S 5	21 49	16 9	5 15	23 39	2 3	20 18	1 57	21 24	1 5	19 45	0 39	18 24	1 51	21 53	0 1	14 11	0 41	24 13	1 22	21 50	21 50	23 1	2 20	3 0
S 6	21 39	20 10	4 58	23 22	2 4	20 30	1 54	21 14	1 5	19 41	0 39	18 25	1 51	21 53	0 1	14 11	0 41	24 13	1 22	21 50	21 50	22 59	2 21	3 0
M 7	21 29	23 12	4 28	23 3	2 4	20 42	1 52	21 4	1 5	19 38	0 39	18 26	1 51	21 53	0 1	14 10	0 41	24 13	1 22	21 50	21 51	22 58	2 21	3 0
T 8	21 18	25 9	3 46	22 43	2 4	20 53	1 49	20 53	1 5	19 34	0 40	18 27	1 51	21 53	0 1	14 9	0 41	24 13	1 22	21 50	21 51	22 56	2 22	2 59
W 9	21 7	25 55	2 55	22 20	2 3	21 3	1 46	20 43	1 5	19 31	0 40	18 28	1 51	21 52	0 1	14 9	0 41	24 13	1 22	21 50	21 52	22 54	2 23	2 59
T 10	20 56	25 29	1 57	21 56	2 2	21 13	1 43	20 32	1 5	19 27	0 40	18 29	1 52	21 52	0 1	14 8	0 41	24 14	1 22	21 50	21 52	22 52	2 23	2 59
F 11	20 44	23 55	0 53	21 30	2 0	21 22	1 40	20 20	1 5	19 24	0 40	18 29	1 52	21 52	0 1	14 7	0 41	24 14	1 22	21 50	21 53	22 51	2 24	2 59
S 12	20 32	21 17	0s12	21 3	1 58	21 31	1 37	20 9	1 5	19 20	0 40	18 30	1 52	21 52	0 1	14 7	0 41	24 14	1 22	21 50	21 53	22 49	2 24	2 59
S 13	20 19	17 46	1 17	20 34	1 55	21 39	1 35	19 57	1 5	19 17	0 40	18 31	1 52	21 52	0 1	14 6	0 41	24 14	1 22	21 50	21 53	22 47	2 25	2 58
M14	20 6	13 31	2 19	20 3	1 52	21 47	1 32	19 45	1 5	19 13	0 40	18 32	1 52	21 51	0 1	14 5	0 41	24 14	1 22	21 50	21 54	22 46	2 26	2 58
T 15	19 52	8 44	3 15	19 31	1 48	21 54	1 29	19 33	1 5	19 10	0 40	18 33	1 52	21 51	0 1	14 5	0 41	24 15	1 22	21 50	21 54	22 44	2 27	2 58
W16	19 39	3 34	4 3	18 57	1 44	22 0	1 25	19 21	1 5	19 6	0 40	18 34	1 52	21 51	0 1	14 4	0 41	24 15	1 22	21 51	21 55	22 42	2 27	2 58
T 17	19 25	1s48	4 41	18 21	1 38	22 6	1 22	19 9	1 5	19 2	0 40	18 35	1 52	21 51	0 1	14 3	0 41	24 15	1 23	21 51	21 55	22 40	2 28	2 58
F 18	19 10	7 11	5 6	17 44	1 32	22 11	1 19	18 56	1 5	18 59	0 40	18 35	1 52	21 51	0 1	14 2	0 41	24 15	1 23	21 51	21 56	22 39	2 29	2 57
S 19	18 55	12 23	5 17	17 6	1 26	22 16	1 16	18 43	1 5	18 55	0 40	18 36	1 53	21 51	0 1	14 2	0 41	24 15	1 23	21 51	21 56	22 37	2 30	2 57
S 20	18 40	17 9	5 11	16 26	1 19	22 20	1 13	18 30	1 5	18 51	0 40	18 37	1 53	21 50	0 1	14 1	0 41	24 15	1 23	21 52	21 57	22 35	2 30	2 57
M21	18 25	21 12	4 49	15 45	1 11	22 23	1 10	18 16	1 5	18 48	0 40	18 38	1 53	21 50	0 1	14 0	0 41	24 16	1 23	21 52	21 57	22 33	2 31	2 57
T 22	18 9	24 11	4 9	15 3	1 2	22 25	1 7	18 3	1 5	18 44	0 41	18 38	1 53	21 50	0 1	13 59	0 41	24 16	1 23	21 51	21 58	22 32	2 32	2 57
W23	17 53	25 45	3 13	14 21	0 52	22 27	1 3	17 49	1 5	18 40	0 41	18 39	1 53	21 50	0 1	13 59	0 41	24 16	1 23	21 51	21 58	22 30	2 33	2 56
T 24	17 36	25 36	2 4	13 37	0 42	22 29	1 0	17 35	1 5	18 36	0 41	18 40	1 53	21 50	0 1	13 58	0 41	24 16	1 23	21 51	21 59	22 28	2 34	2 56
F 25	17 19	23 37	0 44	12 53	0 31	22 29	0 57	17 21	1 5	18 33	0 41	18 40	1 53	21 50	0 1	13 57	0 41	24 16	1 23	21 51	21 59	22 26	2 35	2 56
S 26	17 2	19 58	0n39	12 9	0 19	22 29	0 54	17 7	1 5	18 29	0 41	18 41	1 53	21 50	0 1	13 56	0 41	24 16	1 23	21 51	22 0	22 24	2 36	2 56
S 27	16 45	14 58	1 59	11 25	0 7	22 28	0 50	16 52	1 5	18 25	0 41	18 42	1 53	21 50	0 1	13 56	0 41	24 17	1 23	21 51	22 0	22 23	2 37	2 56
M28	16 27	9 5	3 11	10 42	0n 6	22 27	0 47	16 38	1 5	18 21	0 41	18 42	1 54	21 49	0 1	13 55	0 41	24 17	1 23	21 51	22 1	22 21	2 37	2 56
T 29	16 9	2 49	4 8	9 59	0 20	22 25	0 44	16 23	1 4	18 17	0 41	18 43	1 54	21 49	0 1	13 54	0 41	24 17	1 23	21 52	22 1	22 19	2 38	2 55
W30	15 51	3n26	4 48	9 18	0 34	22 22	0 41	16 8	1 4	18 14	0 41	18 43	1 54	21 49	0 1	13 53	0 41	24 17	1 23	21 52	22 2	22 17	2 39	2 55
T 31	15s33	9n19	5n10	8s38	0n49	22s19	0n37	15s53	1s 4	18s10	0s41	18s44	1n54	21n49	0n 1	13s53	0s41	24n17	1n23	21s53	22s 2	22n15	2n40	2n55

Julian Day Number = 2156070.5, Delta T = 13m41s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'36, Lahiri = 12°34'37 Julian Calendar 1 Jan. 1191 == Greg. Calendar 8 Jan. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

FEBRUARY 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 9 33	18♒52'32	24♈57	6♓58	13♉53	20♒50	11♒25	1♐44	8°R23	25♒ 4	13°R 0	21°R 2	20♉ 2	19♋15	0♈ 3	F 1
S 2	9 13 30	19°53'00	7♉58	7°55	15° 6	21°37	11°39	1°48	8♊23	25° 6	12♋59	21♉ 0	19°59	19°22	0° 6	S 2
S 3	9 17 26	20°53'27	20°35	8°44	16°19	22°25	11°53	1°51	8°23	25° 8	12°58	20°D59	19°55	19°28	0° 8	S 3
M 4	9 21 23	21°53'51	2♊52	9°25	17°32	23°12	12° 7	1°54	8°22	25°10	12°57	21° 0	19°52	19°35	0°11	M 4
T 5	9 25 20	22°54'14	14°54	9°56	18°46	23°59	12°22	1°56	8°22	25°13	12°56	21° 1	19°49	19°41	0°14	T 5
W 6	9 29 16	23°54'34	26°47	10°18	19°59	24°47	12°36	1°59	8°22	25°15	12°55	21° 3	19°46	19°48	0°18	W 6
T 7	9 33 13	24°54'53	8♋34	10°30	21°12	25°34	12°50	2° 2	8°22	25°17	12°54	21° 5	19°43	19°55	0°21	T 7
F 8	9 37 9	25°55'09	20°21	10°R33	22°25	26°21	13° 4	2° 4	8°D22	25°19	12°53	21°R 5	19°40	20° 1	0°24	F 8
S 9	9 41 6	26°55'24	2♌10	10°25	23°38	27° 9	13°18	2° 7	8°22	25°22	12°52	21° 5	19°36	20° 8	0°27	S 9
S 10	9 45 2	27°55'36	14° 5	10° 9	24°51	27°56	13°33	2° 9	8°22	25°24	12°51	21° 2	19°33	20°15	0°30	S 10
M11	9 48 59	28°55'47	26° 8	9°43	26° 5	28°43	13°47	2°11	8°22	25°26	12°50	20°58	19°30	20°21	0°33	M11
T 12	9 52 55	29°55'56	8♍20	9° 9	27°18	29°30	14° 1	2°14	8°22	25°29	12°49	20°52	19°27	20°28	0°36	T 12
W13	9 56 52	0♓56'03	20°44	8°27	28°31	0♓18	14°15	2°16	8°22	25°31	12°49	20°45	19°24	20°35	0°40	W13
T 14	10 0 48	1°56'08	3♎19	7°39	29°44	1° 5	14°29	2°18	8°23	25°33	12°48	20°37	19°20	20°41	0°43	T 14
F 15	10 4 45	2°56'11	16° 7	6°46	0♒58	1°52	14°43	2°20	8°23	25°35	12°47	20°30	19°17	20°48	0°46	F 15
S 16	10 8 42	3°56'13	29° 7	5°49	2°11	2°39	14°57	2°21	8°23	25°38	12°46	20°24	19°14	20°55	0°49	S 16
S 17	10 12 38	4°56'13	12♏21	4°50	3°24	3°26	15°11	2°23	8°24	25°40	12°45	20°19	19°11	21° 1	0°53	S 17
M18	10 16 35	5°56'11	25°50	3°49	4°38	4°13	15°25	2°25	8°24	25°42	12°45	20°17	19° 8	21° 8	0°56	M18
T 19	10 20 31	6°56'08	9♐34	2°49	5°51	5° 0	15°38	2°26	8°25	25°44	12°44	20°D17	19° 5	21°14	0°59	T 19
W20	10 24 28	7°56'03	23°34	1°51	7° 4	5°48	15°52	2°27	8°26	25°47	12°43	20°17	19° 1	21°21	1° 3	W20
T 21	10 28 24	8°55'57	7♑50	0°56	8°18	6°35	16° 6	2°29	8°26	25°49	12°43	20°19	18°58	21°28	1° 6	T 21
F 22	10 32 21	9°55'49	22°21	0° 4	9°31	7°22	16°20	2°30	8°27	25°51	12°42	20°R19	18°55	21°34	1°10	F 22
S 23	10 36 17	10°55'39	7♒ 2	29♒17	10°45	8° 9	16°34	2°31	8°28	25°53	12°41	20°18	18°52	21°41	1°13	S 23
S 24	10 40 14	11°55'27	21°49	28°35	11°58	8°56	16°47	2°32	8°28	25°56	12°41	20°14	18°49	21°48	1°16	S 24
M25	10 44 11	12°55'13	6♓34	27°59	13°11	9°43	17° 1	2°33	8°29	25°58	12°40	20° 9	18°46	21°54	1°20	M25
T 26	10 48 7	13°54'57	21°10	27°29	14°25	10°30	17°15	2°34	8°30	26° 0	12°40	20° 1	18°42	22° 1	1°23	T 26
W27	10 52 4	14°54'39	5♈29	27° 6	15°38	11°17	17°28	2°35	8°31	26° 2	12°39	19°52	18°39	22° 8	1°27	W27
T 28	10 56 0	15♓54'19	19♈26	26♒48	16♒52	12♓ 3	17♒42	2♐35	8♊32	26♒ 4	12♋39	19♉42	18♉36	22♋14	1♈30	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s14	14n33	5n14	8s 0	1n 4	22s15	0n34	15s38	1s 4	18s 6	0s41	18s44	1n54	21n49	0n 1	13s52	0s41	24n17	1n23	21s54	22s 3	22n14	2n41	2n55
S 2	14 55	18 58	5 1	7 24	1 20	22 10	0 31	15 22	1 4	18 2	0 42	18 45	1 54	21 49	0 1	13 51	0 41	24 17	1 23	21 54	22 3	22 12	2 42	2 55
S 3	14 36	22 22	4 34	6 52	1 35	22 5	0 28	15 7	1 4	17 58	0 42	18 45	1 54	21 49	0 1	13 50	0 41	24 18	1 23	21 54	22 4	22 10	2 43	2 55
M 4	14 16	24 39	3 54	6 22	1 51	21 59	0 24	14 51	1 4	17 54	0 42	18 46	1 55	21 49	0 1	13 50	0 41	24 18	1 23	21 54	22 4	22 8	2 44	2 54
T 5	13 57	25 46	3 6	5 56	2 6	21 53	0 21	14 35	1 4	17 50	0 42	18 46	1 55	21 49	0 1	13 49	0 41	24 18	1 23	21 54	22 4	22 6	2 46	2 54
W 6	13 37	25 40	2 9	5 34	2 21	21 45	0 18	14 19	1 3	17 46	0 42	18 46	1 55	21 49	0 1	13 48	0 41	24 18	1 23	21 53	22 5	22 4	2 47	2 54
T 7	13 16	24 24	1 8	5 16	2 35	21 37	0 15	14 3	1 3	17 42	0 42	18 47	1 55	21 49	0 1	13 47	0 41	24 18	1 24	21 53	22 5	22 3	2 48	2 54
F 8	12 56	22 4	0 4	5 3	2 49	21 29	0 12	13 47	1 3	17 38	0 42	18 47	1 55	21 49	0 1	13 47	0 41	24 18	1 24	21 53	22 6	22 1	2 49	2 54
S 9	12 36	18 47	1s 0	4 54	3 1	21 20	0 8	13 30	1 3	17 34	0 42	18 48	1 55	21 49	0 1	13 46	0 41	24 18	1 24	21 53	22 6	21 59	2 50	2 54
S 10	12 15	14 44	2 2	4 49	3 13	21 10	0 5	13 14	1 3	17 30	0 42	18 48	1 55	21 49	0 1	13 45	0 41	24 19	1 24	21 53	22 7	21 57	2 51	2 54
M11	11 54	10 3	2 59	4 50	3 23	21 0	0 2	12 57	1 3	17 26	0 42	18 48	1 56	21 49	0 1	13 44	0 41	24 19	1 24	21 54	22 7	21 55	2 52	2 53
T 12	11 33	4 56	3 49	4 55	3 31	20 49	0s 1	12 40	1 2	17 23	0 43	18 49	1 56	21 49	0 1	13 44	0 41	24 19	1 24	21 55	22 8	21 53	2 53	2 53
W13	11 11	0s25	4 28	5 5	3 37	20 37	0 4	12 23	1 2	17 19	0 43	18 49	1 56	21 49	0 1	13 43	0 41	24 19	1 24	21 56	22 8	21 51	2 54	2 53
T 14	10 50	5 50	4 55	5 18	3 42	20 25	0 7	12 6	1 2	17 15	0 43	18 49	1 56	21 49	0 1	13 42	0 41	24 19	1 24	21 57	22 9	21 50	2 56	2 53
F 15	10 28	11 6	5 8	5 36	3 44	20 12	0 10	11 49	1 2	17 11	0 43	18 49	1 56	21 49	0 1	13 41	0 41	24 19	1 24	21 58	22 9	21 48	2 57	2 53
S 16	10 7	15 58	5 6	5 56	3 44	19 58	0 13	11 32	1 2	17 7	0 43	18 49	1 56	21 49	0 1	13 41	0 41	24 19	1 24	21 59	22 10	21 46	2 58	2 53
S 17	9 45	20 9	4 47	6 20	3 43	19 44	0 16	11 15	1 1	17 3	0 43	18 50	1 56	21 49	0 1	13 40	0 41	24 19	1 24	22 0	22 10	21 44	2 59	2 53
M18	9 22	23 23	4 12	6 45	3 39	19 30	0 19	10 57	1 1	16 58	0 43	18 50	1 57	21 49	0 1	13 39	0 41	24 19	1 24	22 0	22 10	21 42	3 0	2 52
T 19	9 0	25 19	3 22	7 12	3 33	19 15	0 22	10 40	1 1	16 54	0 43	18 50	1 57	21 50	0 1	13 38	0 41	24 20	1 24	22 0	22 11	21 40	3 2	2 52
W20	8 38	25 43	2 19	7 40	3 25	18 59	0 25	10 22	1 1	16 50	0 44	18 50	1 57	21 50	0 1	13 38	0 41	24 20	1 24	22 0	22 11	21 38	3 3	2 52
T 21	8 15	24 26	1 7	8 8	3 16	18 43	0 27	10 4	1 0	16 46	0 44	18 50	1 57	21 50	0 1	13 37	0 41	24 20	1 24	22 0	22 12	21 36	3 4	2 52
F 22	7 53	21 30	0n11	8 36	3 5	18 26	0 30	9 46	1 0	16 42	0 44	18 50	1 57	21 50	0 1	13 36	0 41	24 20	1 24	22 0	22 12	21 34	3 5	2 52
S 23	7 30	17 10	1 29	9 4	2 54	18 9	0 33	9 29	1 0	16 38	0 44	18 50	1 57	21 50	0 1	13 35	0 41	24 20	1 24	22 0	22 13	21 32	3 7	2 52
S 24	7 7	11 45	2 41	9 30	2 41	17 51	0 35	9 11	1 0	16 34	0 44	18 50	1 57	21 50	0 1	13 35	0 41	24 20	1 24	22 1	22 13	21 30	3 8	2 52
M25	6 44	5 42	3 42	9 55	2 27	17 32	0 38	8 53	0 59	16 30	0 44	18 50	1 58	21 50	0 1	13 34	0 41	24 20	1 24	22 2	22 14	21 28	3 9	2 52
T 26	6 21	0n35	4 28	10 19	2 13	17 14	0 41	8 34	0 59	16 26	0 44	18 50	1 58	21 50	0 1	13 33	0 41	24 20	1 24	22 3	22 14	21 27	3 11	2 52
W27	5 58	6 43	4 56	10 41	1 59	16 54	0 43	8 16	0 59	16 22	0 44	18 50	1 58	21 51	0 1	13 32	0 41	24 20	1 24	22 4	22 14	21 25	3 12	2 51
T 28	5s35	12n21	5n 6	11s 0	1n44	16s35	0s46	7s58	0s58	16s18	0s45	18s50	1n58	21n51	0n 1	13s32	0s41	24n20	1n24	22s 5	22s15	21n23	3n13	2n51

Julian Day Number = 2156101.5, Delta T = 13m41s
Ecliptic obliquity = 23°32'43, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'40, Lahiri = 12°34'41 Julian Calendar 1 Feb. 1191 == Greg. Calendar 8 Feb. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

MARCH 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 59 57	16♓53'56	2♉57	26°R37	18♒ 5	12♓50	17♒55	2♐36	8♊33	26♒ 6	12°R38	19°R34	18♑33	22♋21	1♈34	F 1
S 2	11 3 53	17°53'32	16° 2	26°D32	19°19	13°37	18° 9	2°36	8°34	26° 9	12♋38	19♑27	18°30	22°28	1°37	S 2
S 3	11 7 50	18°53'05	28°43	26♒33	20°32	14°24	18°22	2°36	8°36	26°11	12°37	19°23	18°26	22°34	1°41	S 3
M 4	11 11 46	19°52'36	11♊ 4	26°40	21°45	15°11	18°35	2°36	8°37	26°13	12°37	19°21	18°23	22°41	1°45	M 4
T 5	11 15 43	20°52'04	23° 7	26°52	22°59	15°57	18°48	2°R37	8°38	26°15	12°37	19°D20	18°20	22°48	1°48	T 5
W 6	11 19 40	21°51'30	5♋ 0	27°10	24°12	16°44	19° 2	2°37	8°39	26°17	12°36	19°21	18°17	22°54	1°52	W 6
T 7	11 23 36	22°50'54	16°48	27°32	25°26	17°31	19°15	2°36	8°41	26°19	12°36	19°R22	18°14	23° 1	1°55	T 7
F 8	11 27 33	23°50'15	28°35	27°59	26°39	18°17	19°28	2°36	8°42	26°21	12°36	19°21	18°11	23° 7	1°59	F 8
S 9	11 31 29	24°49'35	10♌28	28°31	27°53	19° 4	19°41	2°36	8°44	26°23	12°35	19°19	18° 7	23°14	2° 2	S 9
S 10	11 35 26	25°48'51	22°28	29° 7	29° 6	19°51	19°54	2°36	8°45	26°25	12°35	19°14	18° 4	23°21	2° 6	S 10
M11	11 39 22	26°48'06	4♍41	29°47	0♓20	20°37	20° 7	2°35	8°47	26°27	12°35	19° 7	18° 1	23°27	2°10	M11
T 12	11 43 19	27°47'18	17° 7	0♓30	1°33	21°24	20°20	2°34	8°48	26°30	12°35	18°57	17°58	23°34	2°13	T 12
W13	11 47 15	28°46'28	29°48	1°18	2°47	22°10	20°32	2°34	8°50	26°32	12°34	18°45	17°55	23°41	2°17	W13
T 14	11 51 12	29°45'36	12♎43	2° 8	4° 0	22°56	20°45	2°33	8°52	26°33	12°34	18°33	17°51	23°47	2°21	T 14
F 15	11 55 9	0♈44'42	25°52	3° 2	5°14	23°43	20°58	2°32	8°53	26°35	12°34	18°21	17°48	23°54	2°24	F 15
S 16	11 59 5	1°43'46	9♏14	3°59	6°27	24°29	21°10	2°31	8°55	26°37	12°34	18°11	17°45	24° 1	2°28	S 16
S 17	12 3 2	2°42'49	22°46	4°58	7°41	25°15	21°23	2°30	8°57	26°39	12°34	18° 3	17°42	24° 7	2°31	S 17
M18	12 6 58	3°41'49	6♐27	6° 1	8°54	26° 2	21°35	2°29	8°59	26°41	12°34	17°58	17°39	24°14	2°35	M18
T 19	12 10 55	4°40'48	20°17	7° 5	10° 8	26°48	21°48	2°28	9° 1	26°43	12°34	17°56	17°36	24°21	2°39	T 19
W20	12 14 51	5°39'45	4♑15	8°13	11°21	27°34	22° 0	2°26	9° 3	26°45	12°D34	17°D55	17°32	24°27	2°42	W20
T 21	12 18 48	6°38'40	18°21	9°23	12°35	28°20	22°12	2°25	9° 5	26°47	12°34	17°R55	17°29	24°34	2°46	T 21
F 22	12 22 44	7°37'34	2♒34	10°35	13°48	29° 6	22°24	2°23	9° 7	26°49	12°34	17°54	17°26	24°40	2°49	F 22
S 23	12 26 41	8°36'25	16°52	11°49	15° 2	29°53	22°36	2°22	9° 9	26°51	12°34	17°52	17°23	24°47	2°53	S 23
S 24	12 30 38	9°35'15	1♓13	13° 5	16°15	0♈39	22°48	2°20	9°11	26°52	12°34	17°47	17°20	24°54	2°57	S 24
M25	12 34 34	10°34'03	15°33	14°23	17°29	1°25	23° 0	2°18	9°13	26°54	12°34	17°39	17°17	25° 0	3° 0	M25
T 26	12 38 31	11°32'49	29°46	15°44	18°42	2°10	23°12	2°16	9°16	26°56	12°34	17°29	17°13	25° 7	3° 4	T 26
W27	12 42 27	12°31'33	13♈47	17° 6	19°56	2°56	23°24	2°14	9°18	26°58	12°35	17°17	17°10	25°14	3° 7	W27
T 28	12 46 24	13°30'15	27°31	18°30	21° 9	3°42	23°36	2°12	9°20	26°59	12°35	17° 4	17° 7	25°20	3°11	T 28
F 29	12 50 20	14°28'55	10♉54	19°56	22°23	4°28	23°47	2°10	9°23	27° 1	12°35	16°53	17° 4	25°27	3°15	F 29
S 30	12 54 17	15°27'33	23°56	21°24	23°36	5°14	23°59	2° 8	9°25	27° 3	12°35	16°43	17° 1	25°34	3°18	S 30
S 31	12 58 13	16♈26'09	6♊35	22♓54	24♓50	6♈ 0	24♒10	2♐ 5	9♊27	27♒ 4	12♋35	16♑36	16♑57	25♋40	3♈22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s12	17n12	4n58	11s18	1n29	16s14	0s48	7s40	0s58	16s14	0s45	18s50	1n58	21n51	0n 1	13s31	0s41	24n20	1n24	22s 7	22s15	21n21	3n15	2n51
S 2	4 48	21 5	4 34	11 34	1 14	15 54	0 50	7 21	0 58	16 10	0 45	18 50	1 58	21 51	0 1	13 30	0 41	24 21	1 24	22 8	22 16	21 19	3 16	2 51
S 3	4 25	23 49	3 57	11 47	1 0	15 32	0 53	7 3	0 57	16 6	0 45	18 50	1 58	21 51	0 1	13 30	0 41	24 21	1 24	22 8	22 16	21 17	3 17	2 51
M 4	4 2	25 20	3 10	11 58	0 46	15 11	0 55	6 45	0 57	16 2	0 45	18 50	1 59	21 52	0 1	13 29	0 41	24 21	1 24	22 9	22 17	21 15	3 18	2 51
T 5	3 38	25 37	2 16	12 7	0 32	14 49	0 57	6 26	0 57	15 58	0 45	18 50	1 59	21 52	0 1	13 28	0 41	24 21	1 24	22 9	22 17	21 13	3 20	2 51
W 6	3 15	24 43	1 16	12 14	0 18	14 26	0 59	6 7	0 56	15 54	0 45	18 50	1 59	21 52	0 1	13 27	0 41	24 21	1 25	22 9	22 17	21 11	3 21	2 51
T 7	2 51	22 43	0 14	12 18	0 5	14 4	1 1	5 49	0 56	15 50	0 46	18 50	1 59	21 52	0 1	13 27	0 41	24 21	1 25	22 8	22 18	21 9	3 23	2 51
F 8	2 27	19 44	0s49	12 21	0s 8	13 41	1 3	5 30	0 56	15 46	0 46	18 50	1 59	21 52	0 1	13 26	0 41	24 21	1 25	22 9	22 18	21 7	3 24	2 51
S 9	2 4	15 56	1 50	12 21	0 20	13 17	1 5	5 12	0 55	15 42	0 46	18 49	1 59	21 53	0 1	13 25	0 41	24 21	1 25	22 9	22 19	21 5	3 25	2 51
S 10	1 40	11 27	2 47	12 20	0 32	12 53	1 7	4 53	0 55	15 38	0 46	18 49	1 59	21 53	0 1	13 25	0 41	24 21	1 25	22 10	22 19	21 3	3 27	2 50
M11	1 17	6 29	3 37	12 16	0 43	12 29	1 9	4 34	0 55	15 34	0 46	18 49	2 0	21 53	0 1	13 24	0 41	24 21	1 25	22 11	22 20	21 1	3 28	2 50
T 12	0 53	1 10	4 17	12 11	0 54	12 4	1 11	4 16	0 54	15 30	0 46	18 49	2 0	21 53	0 1	13 23	0 41	24 21	1 25	22 12	22 20	20 59	3 29	2 50
W13	0 29	4s17	4 46	12 4	1 4	11 39	1 12	3 57	0 54	15 26	0 46	18 48	2 0	21 54	0 1	13 23	0 41	24 21	1 25	22 14	22 20	20 57	3 31	2 50
T 14	0 6	9 39	5 0	11 54	1 14	11 14	1 14	3 38	0 54	15 23	0 47	18 48	2 0	21 54	0 1	13 22	0 41	24 21	1 25	22 15	22 21	20 55	3 32	2 50
F 15	0n18	14 41	4 59	11 43	1 23	10 48	1 16	3 19	0 53	15 19	0 47	18 48	2 0	21 54	0 1	13 21	0 41	24 21	1 25	22 17	22 21	20 53	3 34	2 50
S 16	0 41	19 5	4 42	11 31	1 31	10 23	1 17	3 0	0 53	15 15	0 47	18 48	2 0	21 55	0 1	13 21	0 41	24 21	1 25	22 18	22 22	20 51	3 35	2 50
S 17	1 5	22 33	4 9	11 16	1 39	9 56	1 19	2 42	0 52	15 11	0 47	18 47	2 0	21 55	0 1	13 20	0 41	24 21	1 25	22 19	22 22	20 49	3 36	2 50
M18	1 29	24 47	3 21	11 0	1 47	9 30	1 20	2 23	0 52	15 7	0 47	18 47	2 0	21 55	0 1	13 19	0 42	24 21	1 25	22 20	22 23	20 47	3 38	2 50
T 19	1 52	25 32	2 21	10 42	1 54	9 3	1 21	2 4	0 52	15 3	0 47	18 46	2 1	21 55	0 1	13 19	0 42	24 21	1 25	22 20	22 23	20 45	3 39	2 50
W20	2 16	24 40	1 12	10 23	2 0	8 37	1 22	1 45	0 51	14 59	0 48	18 46	2 1	21 56	0 1	13 18	0 42	24 21	1 25	22 20	22 23	20 43	3 40	2 50
T 21	2 39	22 15	0n 2	10 2	2 6	8 9	1 24	1 26	0 51	14 55	0 48	18 46	2 1	21 56	0 1	13 18	0 42	24 22	1 25	22 20	22 24	20 41	3 42	2 50
F 22	3 2	18 26	1 17	9 39	2 11	7 42	1 25	1 8	0 50	14 52	0 48	18 45	2 1	21 56	0 1	13 17	0 42	24 22	1 25	22 20	22 24	20 39	3 43	2 50
S 23	3 26	13 31	2 27	9 15	2 16	7 14	1 26	0 49	0 50	14 48	0 48	18 45	2 1	21 57	0 2	13 16	0 42	24 22	1 25	22 21	22 25	20 37	3 45	2 50
S 24	3 49	7 51	3 28	8 50	2 20	6 47	1 27	0 30	0 49	14 44	0 48	18 44	2 1	21 57	0 2	13 16	0 42	24 22	1 25	22 21	22 25	20 35	3 46	2 50
M25	4 12	1 48	4 15	8 23	2 24	6 19	1 28	0 11	0 49	14 40	0 48	18 44	2 1	21 57	0 2	13 15	0 42	24 22	1 25	22 22	22 25	20 33	3 47	2 50
T 26	4 35	4n17	4 47	7 55	2 27	5 51	1 28	0n 8	0 49	14 37	0 49	18 43	2 1	21 58	0 2	13 15	0 42	24 22	1 25	22 24	22 26	20 30	3 49	2 50
W27	4 58	10 4	5 0	7 25	2 30	5 22	1 29	0 26	0 48	14 33	0 49	18 43	2 2	21 58	0 2	13 14	0 42	24 22	1 25	22 25	22 26	20 28	3 50	2 50
T 28	5 21	15 13	4 56	6 54	2 32	4 54	1 30	0 45	0 48	14 29	0 49	18 42	2 2	21 58	0 2	13 13	0 42	24 22	1 25	22 27	22 27	20 26	3 52	2 49
F 29	5 44	19 31	4 35	6 21	2 33	4 25	1 30	1 4	0 47	14 25	0 49	18 42	2 2	21 59	0 2	13 13	0 42	24 22	1 25	22 28	22 27	20 24	3 53	2 49
S 30	6 7	22 43	4 0	5 47	2 34	3 57	1 31	1 22	0 47	14 22	0 49	18 41	2 2	21 59	0 2	13 12	0 42	24 22	1 25	22 30	22 27	20 22	3 54	2 49
S 31	6n29	24n42	3n14	5s12	2s35	3s28	1s31	1n41	0s46	14s18	0s50	18s41	2n 2	22n 0	0n 2	13s12	0s42	24n22	1n25	22s31	22s28	20n20	3n56	2n49

Julian Day Number = 2156129.5, Delta T = 13m40s
Ecliptic obliquity = 23°32'43, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'44, Lahiri = 12°34'45 Julian Calendar 1 March 1191 == Greg. Calendar 8 March 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

APRIL 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 2 10	17♈24'43	18♊56	24♓25	26♓ 3	6♈45	24♒21	2°R 3	9♊30	27♒ 6	12♋36	16°R32	16♏54	25♋47	3♈25	M 1
T 2	13 6 6	18°23'14	1♋ 1	25°58	27°17	7°31	24°33	2♐ 0	9°32	27° 8	12°36	16♏30	16°51	25°54	3°29	T 2
W 3	13 10 3	19°21'43	12°55	27°33	28°30	8°17	24°44	1°58	9°35	27° 9	12°36	16°29	16°48	26° 0	3°32	W 3
T 4	13 14 0	20°20'10	24°43	29° 9	29°44	9° 2	24°55	1°55	9°37	27°11	12°37	16°29	16°45	26° 7	3°36	T 4
F 5	13 17 56	21°18'35	6♌32	0♈48	0♈57	9°48	25° 6	1°52	9°40	27°12	12°37	16°28	16°42	26°14	3°39	F 5
S 6	13 21 53	22°16'58	18°27	2°28	2°11	10°33	25°16	1°49	9°43	27°14	12°38	16°26	16°38	26°20	3°43	S 6
S 7	13 25 49	23°15'19	0♍31	4° 9	3°24	11°18	25°27	1°46	9°45	27°15	12°38	16°22	16°35	26°27	3°46	S 7
M 8	13 29 46	24°13'37	12°51	5°53	4°38	12° 4	25°38	1°43	9°48	27°17	12°39	16°14	16°32	26°33	3°50	M 8
T 9	13 33 42	25°11'53	25°27	7°38	5°51	12°49	25°48	1°40	9°51	27°18	12°39	16° 5	16°29	26°40	3°53	T 9
W10	13 37 39	26°10'08	8♎23	9°25	7° 5	13°34	25°59	1°37	9°54	27°20	12°40	15°53	16°26	26°47	3°57	W10
T 11	13 41 35	27° 8'20	21°37	11°14	8°18	14°19	26° 9	1°34	9°56	27°21	12°40	15°41	16°22	26°53	4° 0	T 11
F 12	13 45 32	28° 6'31	5♏ 9	13° 4	9°32	15° 5	26°19	1°31	9°59	27°22	12°41	15°29	16°19	27° 0	4° 3	F 12
S 13	13 49 29	29° 4'40	18°55	14°56	10°45	15°50	26°29	1°27	10° 2	27°24	12°41	15°19	16°16	27° 7	4° 7	S 13
S 14	13 53 25	0♉ 2'48	2♐52	16°50	11°59	16°35	26°39	1°24	10° 5	27°25	12°42	15°11	16°13	27°13	4°10	S 14
M15	13 57 22	1° 0'53	16°55	18°46	13°12	17°20	26°49	1°21	10° 8	27°26	12°42	15° 5	16°10	27°20	4°13	M15
T 16	14 1 18	1°58'58	1♑ 3	20°44	14°26	18° 5	26°59	1°17	10°11	27°27	12°43	15° 3	16° 7	27°27	4°17	T 16
W17	14 5 15	2°57'01	15°12	22°43	15°39	18°50	27° 9	1°14	10°14	27°29	12°44	15°D 2	16° 3	27°33	4°20	W17
T 18	14 9 11	3°55'03	29°20	24°44	16°52	19°34	27°18	1°10	10°17	27°30	12°44	15°R 2	16° 0	27°40	4°23	T 18
F 19	14 13 8	4°53'03	13♒27	26°46	18° 6	20°19	27°28	1° 6	10°20	27°31	12°45	15° 2	15°57	27°47	4°26	F 19
S 20	14 17 4	5°51'01	27°32	28°50	19°19	21° 4	27°37	1° 2	10°23	27°32	12°46	15° 1	15°54	27°53	4°30	S 20
S 21	14 21 1	6°48'59	11♓32	0♉55	20°33	21°49	27°46	0°59	10°26	27°33	12°47	14°57	15°51	28° 0	4°33	S 21
M22	14 24 58	7°46'55	25°27	3° 2	21°46	22°33	27°55	0°55	10°29	27°34	12°47	14°50	15°48	28° 7	4°36	M22
T 23	14 28 54	8°44'50	9♈14	5°10	23° 0	23°18	28° 4	0°51	10°32	27°35	12°48	14°41	15°44	28°13	4°39	T 23
W24	14 32 51	9°42'43	22°49	7°19	24°13	24° 3	28°13	0°47	10°35	27°36	12°49	14°31	15°41	28°20	4°42	W24
T 25	14 36 47	10°40'35	6♉11	9°29	25°27	24°47	28°21	0°43	10°39	27°37	12°50	14°20	15°38	28°26	4°45	T 25
F 26	14 40 44	11°38'25	19°16	11°40	26°40	25°31	28°30	0°39	10°42	27°38	12°51	14°10	15°35	28°33	4°48	F 26
S 27	14 44 40	12°36'14	2♊ 5	13°51	27°54	26°16	28°38	0°35	10°45	27°39	12°52	14° 1	15°32	28°40	4°51	S 27
S 28	14 48 37	13°34'02	14°36	16° 2	29° 7	27° 0	28°46	0°31	10°48	27°40	12°53	13°55	15°28	28°46	4°54	S 28
M29	14 52 33	14°31'47	26°51	18°13	0♉21	27°45	28°55	0°27	10°52	27°41	12°54	13°51	15°25	28°53	4°57	M29
T 30	14 56 30	15♉29'32	8♋54	20♉24	1♉34	28♈29	29♒ 3	0♐22	10♊55	27♒41	12♋55	13°D50	15♏22	29♋ 0	5♈ 0	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n52	25n25	2n20	4s36	2s35	2s59	1s32	2n 0	0s46	14s15	0s50	18s40	2n 2	22n 0	0n 2	13s11	0s42	24n22	1n25	22s31	22s28	20n18	3n57	2n49
T 2	7 14	24 54	1 21	3 58	2 34	2 30	1 32	2 18	0 45	14 11	0 50	18 40	2 2	22 0	0 2	13 11	0 42	24 22	1 25	22 31	22 29	20 16	3 59	2 49
W 3	7 37	23 14	0 19	3 19	2 33	2 1	1 32	2 37	0 45	14 7	0 50	18 39	2 2	22 1	0 2	13 10	0 42	24 22	1 25	22 31	22 29	20 14	4 0	2 49
T 4	7 59	20 34	0s44	2 39	2 32	1 31	1 33	2 55	0 44	14 4	0 50	18 38	2 2	22 1	0 2	13 10	0 42	24 22	1 25	22 31	22 29	20 12	4 1	2 49
F 5	8 21	17 2	1 44	1 58	2 29	1 2	1 33	3 13	0 44	14 0	0 51	18 38	2 2	22 1	0 2	13 9	0 42	24 22	1 25	22 31	22 30	20 10	4 3	2 49
S 6	8 43	12 49	2 41	1 16	2 27	0 33	1 33	3 32	0 43	13 57	0 51	18 37	2 3	22 2	0 2	13 9	0 42	24 22	1 25	22 32	22 30	20 7	4 4	2 49
S 7	9 4	8 3	3 31	0 32	2 23	0 4	1 33	3 50	0 43	13 54	0 51	18 36	2 3	22 2	0 2	13 8	0 42	24 22	1 25	22 32	22 31	20 5	4 6	2 49
M 8	9 26	2 53	4 12	0n13	2 20	0n26	1 33	4 8	0 42	13 50	0 51	18 36	2 3	22 3	0 2	13 8	0 42	24 22	1 26	22 33	22 31	20 3	4 7	2 49
T 9	9 48	2s30	4 42	0 58	2 15	0 55	1 33	4 26	0 42	13 47	0 51	18 35	2 3	22 3	0 2	13 7	0 42	24 22	1 26	22 34	22 31	20 1	4 8	2 49
W10	10 9	7 54	4 58	1 45	2 11	1 25	1 32	4 45	0 41	13 43	0 52	18 34	2 3	22 4	0 2	13 7	0 42	24 22	1 26	22 36	22 32	19 59	4 10	2 49
T 11	10 30	13 5	4 59	2 32	2 5	1 54	1 32	5 3	0 41	13 40	0 52	18 34	2 3	22 4	0 2	13 6	0 42	24 22	1 26	22 37	22 32	19 57	4 11	2 49
F 12	10 51	17 45	4 44	3 21	2 0	2 23	1 32	5 21	0 40	13 37	0 52	18 33	2 3	22 4	0 2	13 6	0 42	24 22	1 26	22 39	22 33	19 55	4 12	2 49
S 13	11 12	21 33	4 11	4 10	1 53	2 52	1 31	5 39	0 40	13 34	0 52	18 32	2 3	22 5	0 2	13 6	0 42	24 21	1 26	22 40	22 33	19 53	4 14	2 49
S 14	11 32	24 9	3 24	5 1	1 46	3 22	1 31	5 56	0 39	13 30	0 52	18 31	2 3	22 5	0 2	13 5	0 42	24 21	1 26	22 41	22 33	19 50	4 15	2 49
M15	11 53	25 16	2 23	5 51	1 39	3 51	1 30	6 14	0 39	13 27	0 53	18 31	2 3	22 6	0 2	13 5	0 42	24 21	1 26	22 41	22 34	19 48	4 16	2 49
T 16	12 13	24 46	1 14	6 43	1 31	4 20	1 30	6 32	0 38	13 24	0 53	18 30	2 3	22 6	0 2	13 4	0 42	24 21	1 26	22 41	22 34	19 46	4 18	2 49
W17	12 33	22 40	0n 1	7 35	1 23	4 49	1 29	6 50	0 38	13 21	0 53	18 29	2 3	22 7	0 2	13 4	0 42	24 21	1 26	22 42	22 34	19 44	4 19	2 49
T 18	12 53	19 9	1 15	8 28	1 15	5 18	1 28	7 7	0 37	13 18	0 53	18 28	2 3	22 7	0 2	13 4	0 42	24 21	1 26	22 42	22 35	19 42	4 20	2 49
F 19	13 12	14 33	2 25	9 21	1 6	5 47	1 27	7 25	0 37	13 15	0 54	18 28	2 3	22 7	0 2	13 3	0 42	24 21	1 26	22 42	22 35	19 40	4 22	2 49
S 20	13 32	9 10	3 26	10 14	0 56	6 16	1 26	7 42	0 36	13 12	0 54	18 27	2 3	22 8	0 2	13 3	0 42	24 21	1 26	22 42	22 36	19 38	4 23	2 49
S 21	13 51	3 22	4 14	11 7	0 46	6 44	1 26	7 59	0 35	13 9	0 54	18 26	2 3	22 8	0 2	13 2	0 42	24 21	1 26	22 42	22 36	19 35	4 24	2 49
M22	14 10	2n33	4 46	12 0	0 36	7 13	1 25	8 16	0 35	13 6	0 54	18 25	2 3	22 9	0 2	13 2	0 43	24 21	1 26	22 43	22 36	19 33	4 25	2 49
T 23	14 29	8 17	5 2	12 53	0 26	7 41	1 24	8 34	0 34	13 3	0 54	18 24	2 4	22 9	0 2	13 2	0 43	24 21	1 26	22 44	22 37	19 31	4 27	2 49
W24	14 47	13 33	5 0	13 46	0 16	8 9	1 22	8 51	0 34	13 0	0 55	18 23	2 4	22 10	0 2	13 1	0 43	24 21	1 26	22 45	22 37	19 29	4 28	2 49
T 25	15 6	18 4	4 42	14 38	0 5	8 37	1 21	9 8	0 33	12 57	0 55	18 23	2 4	22 10	0 2	13 1	0 43	24 21	1 26	22 46	22 37	19 27	4 29	2 49
F 26	15 24	21 36	4 9	15 29	0n 5	9 5	1 20	9 24	0 33	12 55	0 55	18 22	2 4	22 11	0 2	13 1	0 43	24 21	1 26	22 47	22 38	19 24	4 30	2 49
S 27	15 41	24 0	3 24	16 19	0 16	9 33	1 19	9 41	0 32	12 52	0 55	18 21	2 4	22 11	0 2	13 1	0 43	24 21	1 26	22 48	22 38	19 22	4 32	2 50
S 28	15 59	25 8	2 30	17 8	0 26	10 0	1 17	9 58	0 31	12 49	0 56	18 20	2 4	22 12	0 2	13 0	0 43	24 21	1 26	22 49	22 39	19 20	4 33	2 50
M29	16 16	25 0	1 30	17 55	0 37	10 27	1 16	10 14	0 31	12 47	0 56	18 19	2 4	22 12	0 2	13 0	0 43	24 21	1 26	22 49	22 39	19 18	4 34	2 50
T 30	16n33	23n41	0n26	18n40	0n47	10n54	1s15	10n31	0s30	12s44	0s56	18s18	2n 4	22n13	0n 2	13s 0	0s43	24n21	1n26	22s49	22s39	19n16	4n35	2n50

Julian Day Number = 2156160.5, Delta T = 13m40s
Ecliptic obliquity = 23°32'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'48, Lahiri = 12°34'49 Julian Calendar 1 Apr. 1191 == Greg. Calendar 8 Apr. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

MAY 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 0 27	16♉27'14	20♋47	22♉34	2♉48	29♈13	29♒10	0°R18	10♊58	27♒42	12♋56	13♑50	15♑19	29♋ 6	5♈ 3	W 1
T 2	15 4 23	17°24'55	2♌36	24°42	4° 1	29°57	29°18	0♐14	11° 1	27°43	12°56	13°51	15°16	29°13	5° 6	T 2
F 3	15 8 20	18°22'35	14°25	26°50	5°15	0♉41	29°26	0°10	11° 5	27°44	12°58	13°R51	15°13	29°20	5° 9	F 3
S 4	15 12 16	19°20'13	26°20	28°57	6°28	1°25	29°33	0° 5	11° 8	27°44	12°59	13°51	15° 9	29°26	5°12	S 4
S 5	15 16 13	20°17'49	8♍26	1♊ 1	7°42	2° 9	29°40	0° 1	11°12	27°45	13° 0	13°49	15° 6	29°33	5°15	S 5
M 6	15 20 9	21°15'24	20°48	3° 4	8°55	2°53	29°47	29♏57	11°15	27°46	13° 1	13°45	15° 3	29°40	5°17	M 6
T 7	15 24 6	22°12'57	3♎30	5° 4	10° 9	3°37	29°54	29°52	11°18	27°46	13° 2	13°40	15° 0	29°46	5°20	T 7
W 8	15 28 2	23°10'29	16°33	7° 3	11°22	4°21	0♓ 1	29°48	11°22	27°47	13° 3	13°32	14°57	29°53	5°23	W 8
T 9	15 31 59	24° 7'59	29°59	8°59	12°36	5° 4	0° 8	29°44	11°25	27°47	13° 4	13°24	14°54	29°59	5°25	T 9
F 10	15 35 56	25° 5'28	13♏48	10°52	13°49	5°48	0°14	29°39	11°29	27°48	13° 5	13°16	14°50	0♌ 6	5°28	F 10
S 11	15 39 52	26° 2'56	27°55	12°43	15° 3	6°32	0°21	29°35	11°32	27°48	13° 6	13°10	14°47	0°13	5°31	S 11
S 12	15 43 49	27° 0'24	12♐16	14°31	16°16	7°15	0°27	29°30	11°36	27°49	13° 7	13° 4	14°44	0°20	5°33	S 12
M13	15 47 45	27°57'50	26°46	16°17	17°30	7°59	0°33	29°26	11°39	27°49	13° 9	13° 1	14°41	0°26	5°36	M13
T 14	15 51 42	28°55'15	11♑18	17°59	18°43	8°42	0°39	29°21	11°43	27°50	13°10	13°D 0	14°38	0°33	5°38	T 14
W15	15 55 38	29°52'40	25°47	19°39	19°57	9°26	0°45	29°17	11°46	27°50	13°11	13° 1	14°34	0°39	5°40	W15
T 16	15 59 35	0♊50'03	10♒ 9	21°16	21°10	10° 9	0°50	29°13	11°50	27°50	13°12	13° 2	14°31	0°46	5°43	T 16
F 17	16 3 31	1°47'26	24°22	22°51	22°24	10°52	0°56	29° 8	11°53	27°50	13°14	13° 3	14°28	0°53	5°45	F 17
S 18	16 7 28	2°44'49	8♓24	24°22	23°37	11°35	1° 1	29° 4	11°57	27°51	13°15	13°R 3	14°25	0°59	5°47	S 18
S 19	16 11 25	3°42'11	22°15	25°51	24°51	12°19	1° 6	28°59	12° 0	27°51	13°16	13° 2	14°22	1° 6	5°50	S 19
M20	16 15 21	4°39'32	5♈52	27°16	26° 4	13° 2	1°11	28°55	12° 4	27°51	13°17	12°59	14°19	1°13	5°52	M20
T 21	16 19 18	5°36'52	19°17	28°39	27°18	13°45	1°16	28°50	12° 7	27°51	13°19	12°54	14°15	1°19	5°54	T 21
W22	16 23 14	6°34'13	2♉29	29°59	28°31	14°28	1°20	28°46	12°11	27°51	13°20	12°48	14°12	1°26	5°56	W22
T 23	16 27 11	7°31'32	15°27	1♋15	29°45	15°11	1°25	28°42	12°14	27°51	13°21	12°42	14° 9	1°33	5°58	T 23
F 24	16 31 7	8°28'51	28°11	2°29	0♊58	15°54	1°29	28°37	12°18	27°51	13°23	12°37	14° 6	1°39	6° 0	F 24
S 25	16 35 4	9°26'09	10♊42	3°39	2°12	16°36	1°33	28°33	12°22	27°R51	13°24	12°32	14° 3	1°46	6° 2	S 25
S 26	16 39 0	10°23'27	23° 0	4°46	3°25	17°19	1°37	28°29	12°25	27°51	13°26	12°29	14° 0	1°53	6° 4	S 26
M27	16 42 57	11°20'44	5♋ 7	5°50	4°39	18° 2	1°40	28°24	12°29	27°51	13°27	12°28	13°56	1°59	6° 6	M27
T 28	16 46 54	12°18'00	17° 4	6°51	5°53	18°45	1°44	28°20	12°32	27°51	13°28	12°D27	13°53	2° 6	6° 8	T 28
W29	16 50 50	13°15'16	28°55	7°48	7° 6	19°27	1°47	28°16	12°36	27°51	13°30	12°28	13°50	2°13	6°10	W29
T 30	16 54 47	14°12'31	10♌43	8°41	8°20	20°10	1°50	28°12	12°39	27°51	13°31	12°30	13°47	2°19	6°12	T 30
F 31	16 58 43	15♊ 9'45	22♌32	9♋31	9♊33	20♉52	1♓53	28♏ 8	12♊43	27♒51	13♋33	12♑32	13♑44	2♌26	6♈14	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n50	21n19	0s37	19n24	0n56	11n21	1s13	10n47	0s30	12s42	0s56	18s17	2n 4	22n13	0n 2	13s 0	0s43	24n21	1n26	22s49	22s40	19n13	4n37	2n50
T 2	17 6	18 3	1 39	20 6	1 6	11 48	1 12	11 3	0 29	12 39	0 57	18 16	2 4	22 14	0 2	12 59	0 43	24 21	1 26	22 49	22 40	19 11	4 38	2 50
F 3	17 22	14 5	2 37	20 45	1 15	12 14	1 10	11 19	0 29	12 37	0 57	18 16	2 4	22 14	0 2	12 59	0 43	24 21	1 26	22 49	22 40	19 9	4 39	2 50
S 4	17 38	9 32	3 28	21 22	1 23	12 40	1 8	11 35	0 28	12 34	0 57	18 15	2 4	22 14	0 2	12 59	0 43	24 20	1 26	22 49	22 41	19 7	4 40	2 50
S 5	17 54	4 34	4 11	21 56	1 31	13 5	1 7	11 51	0 27	12 32	0 57	18 14	2 4	22 15	0 2	12 59	0 43	24 20	1 26	22 49	22 41	19 5	4 41	2 50
M 6	18 9	0s41	4 43	22 28	1 38	13 30	1 5	12 6	0 27	12 30	0 58	18 13	2 4	22 15	0 2	12 59	0 43	24 20	1 26	22 50	22 41	19 2	4 42	2 50
T 7	18 24	6 1	5 2	22 58	1 45	13 55	1 3	12 22	0 26	12 27	0 58	18 12	2 4	22 16	0 2	12 58	0 43	24 20	1 26	22 50	22 42	19 0	4 44	2 50
W 8	18 39	11 15	5 7	23 24	1 51	14 20	1 1	12 37	0 26	12 25	0 58	18 11	2 3	22 16	0 2	12 58	0 43	24 20	1 26	22 51	22 42	18 58	4 45	2 50
T 9	18 53	16 6	4 55	23 49	1 56	14 44	1 0	12 53	0 25	12 23	0 58	18 10	2 3	22 17	0 2	12 58	0 43	24 20	1 27	22 52	22 43	18 56	4 46	2 50
F 10	19 7	20 16	4 25	24 10	2 1	15 8	0 58	13 8	0 24	12 21	0 59	18 9	2 3	22 17	0 2	12 58	0 43	24 20	1 27	22 53	22 43	18 53	4 47	2 50
S 11	19 21	23 20	3 39	24 29	2 5	15 32	0 56	13 23	0 24	12 19	0 59	18 8	2 3	22 18	0 2	12 58	0 43	24 20	1 27	22 53	22 43	18 51	4 48	2 50
S 12	19 35	24 59	2 38	24 45	2 8	15 55	0 54	13 38	0 23	12 17	0 59	18 8	2 3	22 18	0 2	12 58	0 43	24 20	1 27	22 54	22 44	18 49	4 49	2 50
M13	19 48	24 57	1 27	24 59	2 10	16 18	0 52	13 53	0 22	12 15	1 0	18 7	2 3	22 19	0 2	12 58	0 43	24 20	1 27	22 54	22 44	18 47	4 50	2 50
T 14	20 0	23 13	0 9	25 11	2 11	16 40	0 50	14 7	0 22	12 13	1 0	18 6	2 3	22 19	0 2	12 57	0 43	24 20	1 27	22 54	22 44	18 44	4 51	2 50
W15	20 13	19 57	1n 9	25 20	2 12	17 2	0 48	14 22	0 21	12 12	1 0	18 5	2 3	22 20	0 2	12 57	0 43	24 20	1 27	22 54	22 45	18 42	4 52	2 50
T 16	20 25	15 30	2 22	25 27	2 12	17 24	0 46	14 36	0 21	12 10	1 0	18 4	2 3	22 20	0 2	12 57	0 43	24 20	1 27	22 54	22 45	18 40	4 53	2 50
F 17	20 37	10 13	3 26	25 32	2 11	17 45	0 43	14 50	0 20	12 8	1 1	18 3	2 3	22 21	0 2	12 57	0 43	24 19	1 27	22 54	22 45	18 38	4 54	2 51
S 18	20 48	4 30	4 16	25 35	2 10	18 6	0 41	15 4	0 19	12 7	1 1	18 2	2 3	22 21	0 2	12 57	0 43	24 19	1 27	22 54	22 46	18 35	4 55	2 51
S 19	20 59	1n21	4 51	25 36	2 7	18 26	0 39	15 18	0 19	12 5	1 1	18 1	2 3	22 22	0 2	12 57	0 43	24 19	1 27	22 54	22 46	18 33	4 56	2 51
M20	21 10	7 3	5 8	25 35	2 4	18 45	0 37	15 32	0 18	12 4	1 1	18 0	2 3	22 22	0 2	12 57	0 43	24 19	1 27	22 55	22 46	18 31	4 57	2 51
T 21	21 20	12 20	5 9	25 32	2 0	19 5	0 35	15 45	0 17	12 2	1 2	18 0	2 3	22 23	0 2	12 57	0 44	24 19	1 27	22 55	22 47	18 29	4 58	2 51
W22	21 30	16 58	4 53	25 28	1 55	19 23	0 32	15 59	0 17	12 1	1 2	17 59	2 3	22 23	0 2	12 57	0 44	24 19	1 27	22 56	22 47	18 26	4 59	2 51
T 23	21 40	20 42	4 22	25 22	1 50	19 42	0 30	16 12	0 16	11 59	1 2	17 58	2 3	22 24	0 2	12 57	0 44	24 19	1 27	22 56	22 47	18 24	5 0	2 51
F 24	21 49	23 23	3 38	25 15	1 44	19 59	0 28	16 25	0 15	11 58	1 3	17 57	2 2	22 24	0 2	12 57	0 44	24 19	1 27	22 57	22 48	18 22	5 1	2 51
S 25	21 58	24 52	2 45	25 7	1 37	20 16	0 26	16 38	0 15	11 57	1 3	17 56	2 2	22 25	0 2	12 57	0 44	24 19	1 27	22 57	22 48	18 19	5 2	2 51
S 26	22 6	25 6	1 45	24 57	1 29	20 33	0 23	16 51	0 14	11 56	1 3	17 55	2 2	22 25	0 2	12 57	0 44	24 19	1 27	22 57	22 48	18 17	5 2	2 51
M27	22 14	24 7	0 40	24 46	1 21	20 49	0 21	17 4	0 14	11 55	1 3	17 54	2 2	22 26	0 2	12 57	0 44	24 19	1 27	22 57	22 49	18 15	5 3	2 51
T 28	22 22	22 2	0s25	24 34	1 12	21 5	0 19	17 16	0 13	11 54	1 4	17 54	2 2	22 26	0 2	12 57	0 44	24 18	1 27	22 57	22 49	18 13	5 4	2 51
W29	22 29	19 1	1 29	24 21	1 2	21 19	0 16	17 28	0 12	11 53	1 4	17 53	2 2	22 26	0 2	12 57	0 44	24 18	1 27	22 57	22 49	18 10	5 5	2 51
T 30	22 36	15 14	2 29	24 7	0 52	21 34	0 14	17 41	0 12	11 52	1 4	17 52	2 2	22 27	0 2	12 58	0 44	24 18	1 27	22 57	22 50	18 8	5 6	2 51
F 31	22n43	10n52	3s23	23n53	0n41	21n47	0s12	17n53	0s11	11s51	1s 5	17s51	2n 2	22n27	0n 2	12s58	0s44	24n18	1n27	22s57	22s50	18n 6	5n 6	2n52

Julian Day Number = 2156190.5, Delta T = 13m40s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'53, Lahiri = 12°34'53 Julian Calendar 1 May 1191 == Greg. Calendar 8 May 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

JUNE 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 2 40	16♊ 6'58	4♍27	10♋18	10♊47	21♉35	1♓56	28°R 4	12♊46	27°R51	13♋34	12♑33	13♑40	2♌33	6♈15	S 1
S 2	17 6 36	17° 4'10	16°32	11° 0	12° 1	22°17	1°59	27♏59	12°50	27♒50	13°36	12°R34	13°37	2°39	6°17	S 2
M 3	17 10 33	18° 1'22	28°53	11°39	13°14	22°59	2° 1	27°55	12°54	27°50	13°37	12°33	13°34	2°46	6°19	M 3
T 4	17 14 29	18°58'33	11♎33	12°13	14°28	23°42	2° 3	27°51	12°57	27°50	13°39	12°32	13°31	2°53	6°20	T 4
W 5	17 18 26	19°55'44	24°37	12°43	15°41	24°24	2° 5	27°48	13° 1	27°49	13°40	12°29	13°28	2°59	6°22	W 5
T 6	17 22 23	20°52'54	8♏ 6	13° 9	16°55	25° 6	2° 7	27°44	13° 4	27°49	13°42	12°26	13°25	3° 6	6°23	T 6
F 7	17 26 19	21°50'04	22° 1	13°31	18° 9	25°48	2° 9	27°40	13° 8	27°49	13°43	12°24	13°21	3°12	6°25	F 7
S 8	17 30 16	22°47'13	6♐20	13°48	19°22	26°30	2°10	27°36	13°11	27°48	13°45	12°21	13°18	3°19	6°26	S 8
S 9	17 34 12	23°44'22	20°57	14° 1	20°36	27°12	2°11	27°32	13°15	27°48	13°46	12°19	13°15	3°26	6°27	S 9
M10	17 38 9	24°41'31	5♑47	14° 9	21°50	27°54	2°12	27°28	13°18	27°47	13°48	12°D18	13°12	3°32	6°29	M10
T 11	17 42 5	25°38'40	20°42	14°R13	23° 3	28°36	2°13	27°25	13°22	27°47	13°49	12°19	13° 9	3°39	6°30	T 11
W12	17 46 2	26°35'49	5♒35	14°11	24°17	29°18	2°14	27°21	13°25	27°46	13°51	12°19	13° 6	3°46	6°31	W12
T 13	17 49 59	27°32'57	20°18	14° 6	25°31	29°59	2°15	27°18	13°29	27°46	13°52	12°20	13° 2	3°52	6°32	T 13
F 14	17 53 55	28°30'06	4♓46	13°55	26°44	0♊41	2°15	27°14	13°32	27°45	13°54	12°21	12°59	3°59	6°33	F 14
S 15	17 57 52	29°27'16	18°56	13°41	27°58	1°23	2°R15	27°11	13°36	27°44	13°56	12°22	12°56	4° 6	6°34	S 15
S 16	18 1 48	0♋24'25	2♈46	13°22	29°12	2° 4	2°15	27° 7	13°39	27°44	13°57	12°R22	12°53	4°12	6°35	S 16
M17	18 5 45	1°21'35	16°17	12°59	0♋25	2°46	2°15	27° 4	13°43	27°43	13°59	12°22	12°50	4°19	6°36	M17
T 18	18 9 41	2°18'45	29°29	12°33	1°39	3°27	2°14	27° 1	13°46	27°42	14° 0	12°21	12°46	4°26	6°37	T 18
W19	18 13 38	3°15'56	12♉23	12° 3	2°53	4° 9	2°13	26°58	13°50	27°41	14° 2	12°20	12°43	4°32	6°38	W19
T 20	18 17 34	4°13'07	25° 3	11°30	4° 7	4°50	2°13	26°55	13°53	27°41	14° 3	12°19	12°40	4°39	6°38	T 20
F 21	18 21 31	5°10'18	7♊28	10°55	5°21	5°31	2°11	26°52	13°56	27°40	14° 5	12°18	12°37	4°46	6°39	F 21
S 22	18 25 28	6° 7'30	19°43	10°18	6°34	6°13	2°10	26°49	14° 0	27°39	14° 7	12°17	12°34	4°52	6°40	S 22
S 23	18 29 24	7° 4'42	1♋48	9°40	7°48	6°54	2° 9	26°46	14° 3	27°38	14° 8	12°17	12°31	4°59	6°40	S 23
M24	18 33 21	8° 1'55	13°45	9° 1	9° 2	7°35	2° 7	26°43	14° 7	27°37	14°10	12°D17	12°27	5° 6	6°41	M24
T 25	18 37 17	8°59'07	25°36	8°22	10°16	8°16	2° 5	26°40	14°10	27°36	14°12	12°17	12°24	5°12	6°41	T 25
W26	18 41 14	9°56'20	7♌25	7°44	11°30	8°57	2° 3	26°38	14°13	27°35	14°13	12°17	12°21	5°19	6°42	W26
T 27	18 45 10	10°53'33	19°12	7° 7	12°43	9°38	2° 1	26°35	14°16	27°34	14°15	12°17	12°18	5°26	6°42	T 27
F 28	18 49 7	11°50'47	1♍ 2	6°32	13°57	10°19	1°59	26°33	14°20	27°33	14°16	12°R17	12°15	5°32	6°43	F 28
S 29	18 53 3	12°48'00	12°58	6° 0	15°11	11° 0	1°56	26°30	14°23	27°32	14°18	12°17	12°12	5°39	6°43	S 29
S 30	18 57 0	13♋45'14	25♍ 4	5♋31	16♋25	11♊40	1♓53	26♏28	14♊26	27♒31	14♋20	12♑17	12♑ 8	5♌46	6♈43	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n49	6n 4	4s 8	23n38	0n29	22n 1	0s 9	18n 4	0s10	11s51	1s 5	17s50	2n 2	22n28	0n 2	12s58	0s44	24n18	1n28	22s57	22s50	18n 3	5n 7	2n52
S 2	22 55	0 59	4 43	23 22	0 17	22 13	0 7	18 16	0 10	11 50	1 5	17 50	2 1	22 28	0 2	12 58	0 44	24 18	1 28	22 57	22 51	18 1	5 8	2 52
M 3	23 0	4s14	5 6	23 6	0 4	22 25	0 4	18 27	0 9	11 49	1 6	17 49	2 1	22 29	0 2	12 58	0 44	24 18	1 28	22 57	22 51	17 59	5 9	2 52
T 4	23 5	9 25	5 15	22 50	0s 9	22 36	0 2	18 39	0 8	11 49	1 6	17 48	2 1	22 29	0 2	12 58	0 44	24 18	1 28	22 57	22 51	17 56	5 9	2 52
W 5	23 10	14 21	5 8	22 33	0 23	22 47	0n 0	18 50	0 8	11 48	1 6	17 47	2 1	22 30	0 2	12 58	0 44	24 18	1 28	22 57	22 52	17 54	5 10	2 52
T 6	23 14	18 45	4 44	22 17	0 37	22 57	0 3	19 1	0 7	11 48	1 6	17 47	2 1	22 30	0 2	12 58	0 44	24 17	1 28	22 58	22 52	17 52	5 11	2 52
F 7	23 17	22 16	4 3	22 0	0 52	23 6	0 5	19 12	0 6	11 48	1 7	17 46	2 1	22 31	0 2	12 59	0 44	24 17	1 28	22 58	22 52	17 49	5 11	2 52
S 8	23 21	24 31	3 6	21 43	1 7	23 15	0 8	19 22	0 6	11 47	1 7	17 45	2 1	22 31	0 2	12 59	0 44	24 17	1 28	22 58	22 53	17 47	5 12	2 52
S 9	23 24	25 9	1 55	21 26	1 22	23 22	0 10	19 32	0 5	11 47	1 7	17 44	2 0	22 32	0 2	12 59	0 44	24 17	1 28	22 58	22 53	17 45	5 13	2 52
M10	23 26	24 1	0 36	21 10	1 38	23 30	0 12	19 43	0 4	11 47	1 8	17 44	2 0	22 32	0 2	12 59	0 44	24 17	1 28	22 58	22 53	17 42	5 13	2 52
T 11	23 28	21 11	0n46	20 54	1 54	23 36	0 15	19 53	0 4	11 47	1 8	17 43	2 0	22 32	0 2	12 59	0 44	24 17	1 28	22 58	22 54	17 40	5 14	2 53
W12	23 30	16 56	2 5	20 38	2 10	23 42	0 17	20 2	0 3	11 47	1 8	17 42	2 0	22 33	0 2	13 0	0 44	24 17	1 28	22 58	22 54	17 38	5 14	2 53
T 13	23 31	11 42	3 15	20 23	2 26	23 47	0 19	20 12	0 2	11 47	1 9	17 42	2 0	22 33	0 2	13 0	0 44	24 17	1 28	22 58	22 54	17 35	5 15	2 53
F 14	23 32	5 54	4 11	20 8	2 41	23 52	0 22	20 22	0 2	11 47	1 9	17 41	2 0	22 34	0 2	13 0	0 44	24 17	1 28	22 58	22 54	17 33	5 15	2 53
S 15	23 33	0n 4	4 51	19 55	2 57	23 56	0 24	20 31	0 1	11 48	1 9	17 41	1 59	22 34	0 2	13 0	0 44	24 17	1 28	22 58	22 55	17 30	5 16	2 53
S 16	23 33	5 53	5 12	19 42	3 12	23 59	0 26	20 40	0 0	11 48	1 9	17 40	1 59	22 35	0 2	13 1	0 44	24 16	1 28	22 58	22 55	17 28	5 16	2 53
M17	23 32	11 17	5 16	19 29	3 26	24 1	0 28	20 49	0n 1	11 48	1 10	17 39	1 59	22 35	0 2	13 1	0 44	24 16	1 28	22 58	22 55	17 26	5 17	2 53
T 18	23 31	16 3	5 3	19 18	3 40	24 3	0 31	20 57	0 1	11 49	1 10	17 39	1 59	22 35	0 2	13 1	0 44	24 16	1 28	22 58	22 56	17 23	5 17	2 53
W19	23 30	19 58	4 35	19 8	3 53	24 4	0 33	21 6	0 2	11 49	1 10	17 38	1 59	22 36	0 2	13 1	0 45	24 16	1 28	22 58	22 56	17 21	5 18	2 53
T 20	23 29	22 53	3 53	18 59	4 4	24 4	0 35	21 14	0 3	11 50	1 11	17 38	1 59	22 36	0 2	13 2	0 45	24 16	1 28	22 58	22 56	17 19	5 18	2 53
F 21	23 27	24 38	3 1	18 51	4 15	24 3	0 37	21 22	0 3	11 51	1 11	17 37	1 58	22 37	0 2	13 2	0 45	24 16	1 29	22 58	22 57	17 16	5 18	2 53
S 22	23 24	25 10	2 2	18 45	4 25	24 2	0 39	21 30	0 4	11 51	1 11	17 37	1 58	22 37	0 2	13 2	0 45	24 16	1 29	22 58	22 57	17 14	5 19	2 54
S 23	23 21	24 30	0 58	18 40	4 33	24 0	0 41	21 38	0 5	11 52	1 12	17 36	1 58	22 38	0 2	13 3	0 45	24 16	1 29	22 58	22 57	17 11	5 19	2 54
M24	23 18	22 42	0s 8	18 36	4 39	23 57	0 43	21 46	0 5	11 53	1 12	17 36	1 58	22 38	0 2	13 3	0 45	24 15	1 29	22 58	22 57	17 9	5 19	2 54
T 25	23 14	19 55	1 13	18 33	4 44	23 54	0 45	21 53	0 6	11 54	1 12	17 35	1 58	22 38	0 2	13 3	0 45	24 15	1 29	22 58	22 58	17 7	5 20	2 54
W26	23 10	16 19	2 15	18 32	4 48	23 50	0 47	22 0	0 7	11 55	1 12	17 35	1 57	22 39	0 2	13 4	0 45	24 15	1 29	22 58	22 58	17 4	5 20	2 54
T 27	23 6	12 6	3 11	18 32	4 49	23 45	0 49	22 7	0 7	11 56	1 13	17 35	1 57	22 39	0 2	13 4	0 45	24 15	1 29	22 58	22 58	17 2	5 20	2 54
F 28	23 1	7 26	3 59	18 34	4 49	23 40	0 51	22 14	0 8	11 57	1 13	17 34	1 57	22 40	0 2	13 5	0 45	24 15	1 29	22 58	22 59	16 59	5 20	2 54
S 29	22 56	2 27	4 37	18 37	4 48	23 33	0 53	22 20	0 9	11 58	1 13	17 34	1 57	22 40	0 2	13 5	0 45	24 15	1 29	22 58	22 59	16 57	5 21	2 54
S 30	22n50	2s40	5s 3	18n41	4s45	23n26	0n55	22n27	0n10	12s 0	1s14	17s34	1n57	22n40	0n 2	13s 5	0s45	24n15	1n29	22s58	22s59	16n55	5n21	2n54

Julian Day Number = 2156221.5, Delta T = 13m40s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°27'57, Lahiri = 12°34'57 Julian Calendar 1 June 1191 == Greg. Calendar 8 June 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

JULY 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 0 57	14♋42'28	7♎23	5°R 6	17♋39	12♊21	1°R50	26°R26	14♊29	27°R30	14♋21	12°R17	12♑ 5	5♌52	6♈43	M 1
T 2	19 4 53	15°39'42	20° 1	4♋46	18°53	13° 2	1♓47	26♏24	14°33	27♒29	14°23	12°D17	12° 2	5°59	6°43	T 2
W 3	19 8 50	16°36'57	3♏ 0	4°30	20° 7	13°42	1°44	26°22	14°36	27°28	14°25	12♑17	11°59	6° 6	6°44	W 3
T 4	19 12 46	17°34'12	16°24	4°19	21°21	14°23	1°40	26°20	14°39	27°27	14°26	12°18	11°56	6°12	6°R44	T 4
F 5	19 16 43	18°31'28	0♐15	4°D13	22°35	15° 3	1°37	26°18	14°42	27°26	14°28	12°18	11°52	6°19	6°43	F 5
S 6	19 20 39	19°28'43	14°32	4°13	23°48	15°44	1°33	26°16	14°45	27°24	14°29	12°19	11°49	6°26	6°43	S 6
S 7	19 24 36	20°26'00	29°13	4°19	25° 2	16°24	1°29	26°14	14°48	27°23	14°31	12°19	11°46	6°32	6°43	S 7
M 8	19 28 32	21°23'17	14♑12	4°31	26°16	17° 4	1°24	26°13	14°51	27°22	14°33	12°R19	11°43	6°39	6°43	M 8
T 9	19 32 29	22°20'35	29°21	4°49	27°30	17°45	1°20	26°11	14°54	27°21	14°34	12°19	11°40	6°46	6°43	T 9
W10	19 36 26	23°17'53	14♒31	5°13	28°44	18°25	1°16	26°10	14°57	27°19	14°36	12°18	11°37	6°52	6°43	W10
T 11	19 40 22	24°15'13	29°33	5°43	29°58	19° 5	1°11	26° 8	15° 0	27°18	14°37	12°17	11°33	6°59	6°42	T 11
F 12	19 44 19	25°12'33	14♓18	6°20	1♌12	19°45	1° 6	26° 7	15° 3	27°17	14°39	12°16	11°30	7° 5	6°42	F 12
S 13	19 48 15	26° 9'54	28°42	7° 2	2°26	20°25	1° 1	26° 6	15° 6	27°15	14°41	12°14	11°27	7°12	6°41	S 13
S 14	19 52 12	27° 7'17	12♈40	7°50	3°40	21° 5	0°56	26° 5	15° 9	27°14	14°42	12°13	11°24	7°19	6°41	S 14
M15	19 56 8	28° 4'41	26°12	8°45	4°54	21°45	0°50	26° 4	15°12	27°13	14°44	12°D13	11°21	7°25	6°40	M15
T 16	20 0 5	29° 2'06	9♉20	9°45	6° 8	22°25	0°45	26° 3	15°15	27°11	14°45	12°13	11°18	7°32	6°40	T 16
W17	20 4 1	29°59'33	22° 7	10°51	7°22	23° 4	0°39	26° 2	15°17	27°10	14°47	12°14	11°14	7°39	6°39	W17
T 18	20 7 58	0♌57'01	4♊35	12° 2	8°36	23°44	0°33	26° 2	15°20	27° 9	14°49	12°15	11°11	7°45	6°38	T 18
F 19	20 11 55	1°54'30	16°48	13°19	9°50	24°24	0°27	26° 1	15°23	27° 7	14°50	12°17	11° 8	7°52	6°37	F 19
S 20	20 15 51	2°52'00	28°51	14°41	11° 4	25° 3	0°21	26° 1	15°25	27° 6	14°52	12°18	11° 5	7°59	6°37	S 20
S 21	20 19 48	3°49'32	10♋46	16° 8	12°18	25°43	0°15	26° 0	15°28	27° 4	14°53	12°R18	11° 2	8° 5	6°36	S 21
M22	20 23 44	4°47'05	22°36	17°39	13°32	26°22	0° 9	26° 0	15°31	27° 3	14°55	12°18	10°58	8°12	6°35	M22
T 23	20 27 41	5°44'39	4♌24	19°15	14°47	27° 2	0° 2	26° 0	15°33	27° 1	14°56	12°16	10°55	8°19	6°34	T 23
W24	20 31 37	6°42'14	16°13	20°56	16° 1	27°41	29♒56	25°59	15°36	27° 0	14°58	12°14	10°52	8°25	6°33	W24
T 25	20 35 34	7°39'50	28° 3	22°40	17°15	28°20	29°49	25°D59	15°38	26°58	14°59	12°10	10°49	8°32	6°32	T 25
F 26	20 39 31	8°37'28	9♍57	24°27	18°29	29° 0	29°42	26° 0	15°41	26°57	15° 1	12° 6	10°46	8°39	6°31	F 26
S 27	20 43 27	9°35'07	21°58	26°17	19°43	29°39	29°35	26° 0	15°43	26°55	15° 2	12° 1	10°43	8°45	6°29	S 27
S 28	20 47 24	10°32'46	4♎ 8	28°10	20°57	0♋18	29°28	26° 0	15°46	26°54	15° 4	11°57	10°39	8°52	6°28	S 28
M29	20 51 20	11°30'27	16°30	0♌ 5	22°11	0°57	29°21	26° 0	15°48	26°52	15° 5	11°53	10°36	8°59	6°27	M29
T 30	20 55 17	12°28'09	29° 7	2° 2	23°25	1°36	29°14	26° 1	15°50	26°50	15° 7	11°51	10°33	9° 5	6°26	T 30
W31	20 59 13	13♌25'53	12♏ 2	4♌ 1	24♌39	2♋15	29♒ 7	26♏ 1	15♊53	26♒49	15♋ 8	11°D51	10♑30	9♌12	6♈24	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n44	7s47	5s16	18n47	4s40	23n19	0n57	22n33	0n10	12s 1	1s14	17s33	1n56	22n41	0n 2	13s 6	0s45	24n15	1n29	22s58	23s 0	16n52	5n21	2n54
T 2	22 37	12 42	5 15	18 54	4 34	23 11	0 59	22 39	0 11	12 2	1 14	17 33	1 56	22 41	0 2	13 6	0 45	24 15	1 29	22 58	23 0	16 50	5 21	2 55
W 3	22 30	17 13	4 57	19 2	4 26	23 2	1 0	22 44	0 12	12 4	1 14	17 33	1 56	22 41	0 2	13 7	0 45	24 14	1 29	22 58	23 0	16 47	5 21	2 55
T 4	22 23	21 1	4 23	19 11	4 17	22 52	1 2	22 50	0 12	12 5	1 15	17 33	1 56	22 42	0 2	13 7	0 45	24 14	1 29	22 58	23 0	16 45	5 21	2 55
F 5	22 15	23 46	3 33	19 22	4 7	22 41	1 4	22 55	0 13	12 7	1 15	17 32	1 55	22 42	0 2	13 7	0 45	24 14	1 29	22 58	23 1	16 43	5 21	2 55
S 6	22 7	25 6	2 28	19 33	3 56	22 30	1 5	23 0	0 14	12 9	1 15	17 32	1 55	22 43	0 2	13 8	0 45	24 14	1 30	22 58	23 1	16 40	5 21	2 55
S 7	21 59	24 45	1 12	19 44	3 44	22 19	1 7	23 5	0 14	12 10	1 16	17 32	1 55	22 43	0 2	13 8	0 45	24 14	1 30	22 58	23 1	16 38	5 21	2 55
M 8	21 50	22 37	0n10	19 57	3 31	22 6	1 8	23 10	0 15	12 12	1 16	17 32	1 55	22 43	0 2	13 9	0 45	24 14	1 30	22 58	23 2	16 35	5 21	2 55
T 9	21 41	18 52	1 33	20 10	3 18	21 53	1 10	23 14	0 16	12 14	1 16	17 32	1 55	22 44	0 2	13 9	0 45	24 14	1 30	22 58	23 2	16 33	5 21	2 55
W10	21 31	13 51	2 49	20 23	3 4	21 40	1 11	23 19	0 17	12 16	1 16	17 32	1 54	22 44	0 2	13 10	0 45	24 14	1 30	22 58	23 2	16 30	5 21	2 55
T 11	21 22	8 3	3 53	20 36	2 49	21 26	1 12	23 23	0 17	12 18	1 17	17 31	1 54	22 44	0 2	13 10	0 45	24 14	1 30	22 58	23 2	16 28	5 21	2 55
F 12	21 11	1 54	4 40	20 49	2 35	21 11	1 14	23 27	0 18	12 20	1 17	17 31	1 54	22 45	0 3	13 11	0 45	24 13	1 30	22 59	23 3	16 26	5 21	2 56
S 13	21 1	4n11	5 8	21 2	2 19	20 55	1 15	23 30	0 19	12 22	1 17	17 31	1 54	22 45	0 3	13 11	0 45	24 13	1 30	22 59	23 3	16 23	5 21	2 56
S 14	20 50	9 53	5 17	21 15	2 4	20 39	1 16	23 34	0 19	12 24	1 17	17 31	1 53	22 45	0 3	13 12	0 45	24 13	1 30	22 59	23 3	16 21	5 21	2 56
M15	20 38	14 55	5 7	21 27	1 49	20 22	1 17	23 37	0 20	12 26	1 18	17 31	1 53	22 46	0 3	13 12	0 45	24 13	1 30	22 59	23 3	16 18	5 21	2 56
T 16	20 27	19 7	4 42	21 38	1 33	20 5	1 18	23 40	0 21	12 28	1 18	17 31	1 53	22 46	0 3	13 13	0 45	24 13	1 30	22 59	23 4	16 16	5 21	2 56
W17	20 14	22 17	4 3	21 48	1 18	19 47	1 19	23 43	0 22	12 30	1 18	17 31	1 53	22 46	0 3	13 13	0 45	24 13	1 30	22 59	23 4	16 13	5 21	2 56
T 18	20 2	24 19	3 14	21 57	1 3	19 29	1 20	23 46	0 22	12 33	1 18	17 31	1 53	22 47	0 3	13 14	0 45	24 13	1 30	22 59	23 4	16 11	5 20	2 56
F 19	19 49	25 9	2 16	22 5	0 48	19 10	1 21	23 49	0 23	12 35	1 19	17 31	1 52	22 47	0 3	13 14	0 45	24 13	1 30	22 58	23 5	16 8	5 20	2 56
S 20	19 36	24 46	1 14	22 10	0 34	18 50	1 22	23 51	0 24	12 37	1 19	17 32	1 52	22 47	0 3	13 15	0 45	24 13	1 31	22 58	23 5	16 6	5 20	2 56
S 21	19 23	23 15	0 8	22 14	0 20	18 30	1 23	23 53	0 24	12 40	1 19	17 32	1 52	22 47	0 3	13 15	0 45	24 13	1 31	22 58	23 5	16 3	5 20	2 56
M22	19 9	20 43	0s57	22 16	0 6	18 10	1 23	23 55	0 25	12 42	1 19	17 32	1 52	22 48	0 3	13 16	0 45	24 12	1 31	22 58	23 5	16 1	5 19	2 56
T 23	18 55	17 19	1 59	22 16	0n 7	17 49	1 24	23 57	0 26	12 45	1 20	17 32	1 51	22 48	0 3	13 16	0 45	24 12	1 31	22 59	23 6	15 59	5 19	2 57
W24	18 41	13 15	2 56	22 13	0 19	17 27	1 25	23 58	0 27	12 47	1 20	17 32	1 51	22 48	0 3	13 17	0 45	24 12	1 31	22 59	23 6	15 56	5 19	2 57
T 25	18 26	8 41	3 45	22 8	0 31	17 5	1 25	23 59	0 27	12 50	1 20	17 32	1 51	22 49	0 3	13 17	0 45	24 12	1 31	22 59	23 6	15 54	5 18	2 57
F 26	18 11	3 46	4 26	22 0	0 41	16 43	1 26	24 1	0 28	12 53	1 20	17 33	1 51	22 49	0 3	13 18	0 45	24 12	1 31	22 59	23 6	15 51	5 18	2 57
S 27	17 56	1s18	4 54	21 50	0 52	16 20	1 26	24 2	0 29	12 55	1 20	17 33	1 50	22 49	0 3	13 18	0 45	24 12	1 31	23 0	23 7	15 49	5 18	2 57
S 28	17 40	6 23	5 10	21 37	1 1	15 56	1 26	24 2	0 30	12 58	1 21	17 33	1 50	22 49	0 3	13 19	0 46	24 12	1 31	23 0	23 7	15 46	5 17	2 57
M29	17 24	11 18	5 12	21 21	1 9	15 32	1 26	24 3	0 30	13 1	1 21	17 34	1 50	22 50	0 3	13 19	0 46	24 12	1 31	23 1	23 7	15 44	5 17	2 57
T 30	17 8	15 51	4 59	21 2	1 17	15 8	1 27	24 3	0 31	13 3	1 21	17 34	1 50	22 50	0 3	13 20	0 46	24 12	1 31	23 1	23 7	15 41	5 16	2 57
W31	16n52	19s48	4s31	20n41	1n23	14n43	1n27	24n 3	0n32	13s 6	1s21	17s34	1n49	22n50	0n 3	13s21	0s46	24n12	1n31	23s 1	23s 8	15n39	5n16	2n57

Julian Day Number = 2156251.5, Delta T = 13m40s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'01, Lahiri = 12°35'01 Julian Calendar 1 July 1191 == Greg. Calendar 8 July 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

AUGUST 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 3 10	14♌23'37	25♏19	6♌ 0	25♌54	2♋54	28°R59	26♏ 2	15♊55	26°R47	15♋10	11♑51	10♑27	9♌19	6°R23	T 1
F 2	21 7 6	15°21'22	9♐ 0	8° 0	27° 8	3°33	28♒52	26° 3	15°57	26♒46	15°11	11°52	10°24	9°25	6♈21	F 2
S 3	21 11 3	16°19'09	23° 6	10° 1	28°22	4°11	28°44	26° 4	15°59	26°44	15°13	11°54	10°20	9°32	6°20	S 3
S 4	21 15 0	17°16'57	7♑37	12° 1	29°36	4°50	28°37	26° 5	16° 1	26°42	15°14	11°R55	10°17	9°39	6°18	S 4
M 5	21 18 56	18°14'46	22°30	14° 2	0♏50	5°29	28°29	26° 6	16° 4	26°41	15°16	11°54	10°14	9°45	6°17	M 5
T 6	21 22 53	19°12'37	7♒38	16° 2	2° 4	6° 7	28°21	26° 7	16° 6	26°39	15°17	11°52	10°11	9°52	6°15	T 6
W 7	21 26 49	20°10'29	22°52	18° 1	3°18	6°46	28°14	26° 8	16° 8	26°38	15°18	11°49	10° 8	9°59	6°13	W 7
T 8	21 30 46	21° 8'22	8♓ 3	20° 0	4°32	7°24	28° 6	26° 9	16°10	26°36	15°20	11°43	10° 4	10° 5	6°12	T 8
F 9	21 34 42	22° 6'18	23° 0	21°58	5°47	8° 2	27°58	26°11	16°11	26°34	15°21	11°38	10° 1	10°12	6°10	F 9
S 10	21 38 39	23° 4'15	7♈35	23°55	7° 1	8°41	27°50	26°12	16°13	26°33	15°22	11°32	9°58	10°19	6° 8	S 10
S 11	21 42 35	24° 2'13	21°43	25°51	8°15	9°19	27°42	26°14	16°15	26°31	15°24	11°27	9°55	10°25	6° 6	S 11
M12	21 46 32	25° 0'14	5♉22	27°46	9°29	9°57	27°34	26°16	16°17	26°29	15°25	11°23	9°52	10°32	6° 4	M12
T 13	21 50 28	25°58'17	18°33	29°40	10°43	10°35	27°26	26°17	16°19	26°28	15°26	11°21	9°49	10°39	6° 2	T 13
W14	21 54 25	26°56'22	1♊19	1♍33	11°57	11°13	27°19	26°19	16°20	26°26	15°28	11°D21	9°45	10°45	6° 0	W14
T 15	21 58 22	27°54'29	13°43	3°25	13°12	11°51	27°11	26°21	16°22	26°24	15°29	11°22	9°42	10°52	5°58	T 15
F 16	22 2 18	28°52'37	25°52	5°15	14°26	12°29	27° 3	26°23	16°24	26°23	15°30	11°23	9°39	10°59	5°56	F 16
S 17	22 6 15	29°50'48	7♋48	7° 4	15°40	13° 7	26°55	26°26	16°25	26°21	15°31	11°R24	9°36	11° 5	5°54	S 17
S 18	22 10 11	0♍49'01	19°39	8°52	16°54	13°45	26°47	26°28	16°27	26°19	15°33	11°24	9°33	11°12	5°52	S 18
M19	22 14 8	1°47'16	1♌26	10°39	18° 8	14°22	26°39	26°30	16°28	26°18	15°34	11°22	9°29	11°19	5°50	M19
T 20	22 18 4	2°45'32	13°14	12°25	19°22	15° 0	26°31	26°33	16°30	26°16	15°35	11°17	9°26	11°25	5°48	T 20
W21	22 22 1	3°43'51	25° 4	14° 9	20°37	15°38	26°23	26°35	16°31	26°15	15°36	11°10	9°23	11°32	5°46	W21
T 22	22 25 57	4°42'11	7♍ 1	15°52	21°51	16°15	26°16	26°38	16°32	26°13	15°37	11° 2	9°20	11°39	5°43	T 22
F 23	22 29 54	5°40'33	19° 4	17°34	23° 5	16°53	26° 8	26°41	16°33	26°11	15°38	10°52	9°17	11°45	5°41	F 23
S 24	22 33 51	6°38'57	1♎15	19°15	24°19	17°30	26° 0	26°43	16°35	26°10	15°40	10°41	9°14	11°52	5°39	S 24
S 25	22 37 47	7°37'23	13°35	20°55	25°33	18° 7	25°52	26°46	16°36	26° 8	15°41	10°31	9°10	11°59	5°36	S 25
M26	22 41 44	8°35'50	26° 6	22°34	26°47	18°44	25°45	26°49	16°37	26° 6	15°42	10°22	9° 7	12° 5	5°34	M26
T 27	22 45 40	9°34'20	8♏49	24°12	28° 1	19°22	25°37	26°52	16°38	26° 5	15°43	10°16	9° 4	12°12	5°32	T 27
W28	22 49 37	10°32'51	21°47	25°48	29°16	19°59	25°30	26°55	16°39	26° 3	15°44	10°12	9° 1	12°19	5°29	W28
T 29	22 53 33	11°31'23	5♐ 1	27°24	0♎30	20°36	25°23	26°59	16°40	26° 2	15°45	10°10	8°58	12°25	5°27	T 29
F 30	22 57 30	12°29'58	18°34	28°58	1°44	21°13	25°15	27° 2	16°41	26° 0	15°46	10°D10	8°55	12°32	5°24	F 30
S 31	23 1 26	13♍28'34	2♑28	0♎32	2♎58	21♋50	25♒ 8	27♏ 5	16♊42	25♒59	15♋47	10♑11	8♑51	12♌39	5♈22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n35	22s51	3s48	20n18	1n29	14n18	1n27	24n 3	0n33	13s 9	1s21	17s35	1n49	22n50	0n 3	13s21	0s46	24n12	1n31	23s 1	23s 8	15n36	5n15	2n57
F 2	16 18	24 42	2 50	19 52	1 34	13 53	1 27	24 3	0 33	13 12	1 21	17 35	1 49	22 51	0 3	13 22	0 46	24 11	1 32	23 1	23 8	15 34	5 15	2 57
S 3	16 1	25 3	1 41	19 23	1 38	13 27	1 27	24 3	0 34	13 14	1 22	17 36	1 49	22 51	0 3	13 22	0 46	24 11	1 32	23 1	23 8	15 31	5 14	2 57
S 4	15 43	23 43	0 23	18 53	1 41	13 1	1 27	24 2	0 35	13 17	1 22	17 36	1 49	22 51	0 3	13 23	0 46	24 11	1 32	23 0	23 9	15 29	5 14	2 57
M 5	15 26	20 43	0n57	18 21	1 44	12 34	1 26	24 1	0 35	13 20	1 22	17 36	1 48	22 51	0 3	13 23	0 46	24 11	1 32	23 1	23 9	15 26	5 13	2 57
T 6	15 8	16 16	2 16	17 47	1 45	12 7	1 26	24 0	0 36	13 23	1 22	17 37	1 48	22 52	0 3	13 24	0 46	24 11	1 32	23 1	23 9	15 24	5 12	2 58
W 7	14 49	10 44	3 24	17 11	1 46	11 40	1 26	23 59	0 37	13 26	1 22	17 37	1 48	22 52	0 3	13 25	0 46	24 11	1 32	23 1	23 9	15 21	5 12	2 58
T 8	14 31	4 36	4 18	16 34	1 46	11 13	1 25	23 58	0 38	13 28	1 22	17 38	1 48	22 52	0 3	13 25	0 46	24 11	1 32	23 1	23 10	15 19	5 11	2 58
F 9	14 12	1n42	4 54	15 55	1 46	10 45	1 25	23 56	0 38	13 31	1 22	17 39	1 47	22 52	0 3	13 26	0 46	24 11	1 32	23 2	23 10	15 16	5 11	2 58
S 10	13 53	7 45	5 9	15 15	1 45	10 17	1 24	23 55	0 39	13 34	1 23	17 39	1 47	22 53	0 3	13 26	0 46	24 11	1 32	23 3	23 10	15 14	5 10	2 58
S 11	13 34	13 12	5 5	14 35	1 43	9 48	1 24	23 53	0 40	13 37	1 23	17 40	1 47	22 53	0 3	13 27	0 46	24 11	1 32	23 3	23 10	15 11	5 9	2 58
M12	13 15	17 49	4 43	13 53	1 41	9 20	1 23	23 51	0 41	13 40	1 23	17 40	1 47	22 53	0 3	13 27	0 46	24 11	1 32	23 3	23 11	15 9	5 8	2 58
T 13	12 55	21 23	4 7	13 10	1 38	8 51	1 22	23 49	0 41	13 43	1 23	17 41	1 46	22 53	0 3	13 28	0 46	24 11	1 32	23 3	23 11	15 6	5 8	2 58
W14	12 35	23 46	3 20	12 27	1 35	8 22	1 21	23 46	0 42	13 45	1 23	17 42	1 46	22 53	0 3	13 29	0 46	24 11	1 33	23 3	23 11	15 3	5 7	2 58
T 15	12 15	24 56	2 24	11 43	1 32	7 52	1 21	23 44	0 43	13 48	1 23	17 42	1 46	22 53	0 3	13 29	0 46	24 11	1 33	23 3	23 11	15 1	5 6	2 58
F 16	11 55	24 52	1 23	10 59	1 28	7 23	1 20	23 41	0 44	13 51	1 23	17 43	1 46	22 54	0 3	13 30	0 46	24 11	1 33	23 3	23 12	14 58	5 5	2 58
S 17	11 35	23 38	0 19	10 14	1 23	6 53	1 19	23 38	0 44	13 54	1 23	17 44	1 45	22 54	0 3	13 30	0 46	24 10	1 33	23 3	23 12	14 56	5 5	2 58
S 18	11 14	21 22	0s44	9 29	1 18	6 23	1 18	23 35	0 45	13 57	1 23	17 45	1 45	22 54	0 3	13 31	0 46	24 10	1 33	23 3	23 12	14 53	5 4	2 58
M19	10 53	18 12	1 46	8 44	1 13	5 53	1 16	23 32	0 46	13 59	1 23	17 45	1 45	22 54	0 3	13 31	0 46	24 10	1 33	23 3	23 12	14 51	5 3	2 58
T 20	10 32	14 19	2 43	7 59	1 8	5 23	1 15	23 28	0 47	14 2	1 23	17 46	1 45	22 54	0 3	13 32	0 46	24 10	1 33	23 4	23 12	14 48	5 2	2 58
W21	10 11	9 53	3 33	7 13	1 2	4 52	1 14	23 25	0 48	14 5	1 23	17 47	1 45	22 54	0 3	13 33	0 46	24 10	1 33	23 4	23 13	14 46	5 1	2 58
T 22	9 50	5 3	4 13	6 28	0 56	4 22	1 13	23 21	0 48	14 8	1 23	17 48	1 44	22 55	0 3	13 33	0 46	24 10	1 33	23 5	23 13	14 43	5 0	2 58
F 23	9 28	0 0	4 43	5 42	0 50	3 51	1 11	23 17	0 49	14 10	1 24	17 49	1 44	22 55	0 3	13 34	0 46	24 10	1 33	23 6	23 13	14 41	4 59	2 58
S 24	9 7	5s 5	5 1	4 57	0 44	3 20	1 10	23 13	0 50	14 13	1 24	17 49	1 44	22 55	0 3	13 34	0 46	24 10	1 34	23 7	23 13	14 38	4 59	2 58
S 25	8 45	10 3	5 4	4 11	0 37	2 49	1 8	23 9	0 51	14 16	1 24	17 50	1 44	22 55	0 3	13 35	0 46	24 10	1 34	23 8	23 14	14 36	4 58	2 58
M26	8 23	14 40	4 54	3 26	0 31	2 18	1 7	23 4	0 51	14 18	1 24	17 51	1 43	22 55	0 3	13 35	0 46	24 10	1 34	23 8	23 14	14 33	4 57	2 58
T 27	8 1	18 44	4 28	2 41	0 24	1 47	1 5	23 0	0 52	14 21	1 24	17 52	1 43	22 55	0 3	13 36	0 46	24 10	1 34	23 9	23 14	14 30	4 56	2 58
W28	7 39	21 58	3 49	1 56	0 17	1 16	1 3	22 55	0 53	14 23	1 24	17 53	1 43	22 55	0 3	13 36	0 46	24 10	1 34	23 9	23 14	14 28	4 55	2 58
T 29	7 16	24 7	2 56	1 11	0 10	0 45	1 2	22 51	0 54	14 26	1 24	17 54	1 43	22 55	0 3	13 37	0 46	24 10	1 34	23 9	23 14	14 25	4 54	2 58
F 30	6 54	24 55	1 53	0 27	0 2	0 13	1 0	22 46	0 54	14 28	1 24	17 55	1 43	22 56	0 3	13 38	0 46	24 10	1 34	23 9	23 15	14 23	4 53	2 58
S 31	6n31	24s12	0s41	0s17	0s 5	0s18	0n58	22n41	0n55	14s31	1s24	17s56	1n42	22n56	0n 3	13s38	0s46	24n10	1n34	23s 9	23s15	14n20	4n52	2n58

Julian Day Number = 2156282.5, Delta T = 13m40s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'05, Lahiri = 12°35'06 Julian Calendar 1 Aug. 1191 == Greg. Calendar 8 Aug. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

SEPTEMBER 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 5 23	14♍27'12	16♉44	2♎ 4	4♎12	22♋26	25°R 1	27♏ 9	16♊43	25°R57	15♋48	10°R11	8♉48	12♌45	5°R19	S 1
M 2	23 9 20	15°25'51	1♒20	3°36	5°26	23° 3	24♒54	27°13	16°43	25♒55	15°49	10♉ 9	8°45	12°52	5♈17	M 2
T 3	23 13 16	16°24'32	16°12	5° 6	6°40	23°40	24°47	27°16	16°44	25°54	15°50	10° 5	8°42	12°59	5°14	T 3
W 4	23 17 13	17°23'15	1♓14	6°35	7°55	24°16	24°41	27°20	16°45	25°52	15°51	9°59	8°39	13° 5	5°11	W 4
T 5	23 21 9	18°22'00	16°18	8° 4	9° 9	24°53	24°34	27°24	16°45	25°51	15°51	9°50	8°35	13°12	5° 9	T 5
F 6	23 25 6	19°20'47	1♈12	9°31	10°23	25°29	24°28	27°28	16°46	25°49	15°52	9°39	8°32	13°19	5° 6	F 6
S 7	23 29 2	20°19'36	15°49	10°57	11°37	26° 5	24°21	27°32	16°46	25°48	15°53	9°29	8°29	13°25	5° 3	S 7
S 8	23 32 59	21°18'27	0♉ 2	12°22	12°51	26°42	24°15	27°36	16°47	25°47	15°54	9°19	8°26	13°32	5° 1	S 8
M 9	23 36 55	22°17'20	13°46	13°47	14° 5	27°18	24° 9	27°40	16°47	25°45	15°55	9°12	8°23	13°39	4°58	M 9
T 10	23 40 52	23°16'16	27° 1	15°10	15°19	27°54	24° 3	27°44	16°48	25°44	15°56	9° 7	8°20	13°45	4°55	T 10
W11	23 44 49	24°15'14	9♊50	16°32	16°33	28°30	23°57	27°48	16°48	25°42	15°56	9° 4	8°16	13°52	4°53	W11
T 12	23 48 45	25°14'15	22°16	17°52	17°47	29° 6	23°51	27°53	16°48	25°41	15°57	9°D 3	8°13	13°59	4°50	T 12
F 13	23 52 42	26°13'17	4♋25	19°12	19° 1	29°42	23°46	27°57	16°48	25°40	15°58	9°R 3	8°10	14° 5	4°47	F 13
S 14	23 56 38	27°12'23	16°21	20°30	20°15	0♌18	23°40	28° 2	16°48	25°38	15°58	9° 3	8° 7	14°12	4°44	S 14
S 15	0 0 35	28°11'30	28°10	21°47	21°29	0°53	23°35	28° 6	16°49	25°37	15°59	9° 2	8° 4	14°19	4°42	S 15
M16	0 4 31	29°10'40	9♌58	23° 2	22°43	1°29	23°30	28°11	16°R49	25°36	16° 0	8°58	8° 1	14°25	4°39	M16
T 17	0 8 28	0♎ 9'52	21°47	24°16	23°57	2° 5	23°25	28°16	16°49	25°34	16° 0	8°52	7°57	14°32	4°36	T 17
W18	0 12 24	1° 9'06	3♍43	25°29	25°11	2°40	23°20	28°20	16°49	25°33	16° 1	8°43	7°54	14°39	4°33	W18
T 19	0 16 21	2° 8'22	15°47	26°40	26°25	3°15	23°16	28°25	16°48	25°32	16° 1	8°31	7°51	14°45	4°31	T 19
F 20	0 20 18	3° 7'41	28° 2	27°48	27°39	3°51	23°11	28°30	16°48	25°31	16° 2	8°17	7°48	14°52	4°28	F 20
S 21	0 24 14	4° 7'01	10♎27	28°55	28°53	4°26	23° 7	28°35	16°48	25°29	16° 2	8° 3	7°45	14°59	4°25	S 21
S 22	0 28 11	5° 6'24	23° 4	0♏ 0	0♏ 7	5° 1	23° 3	28°40	16°48	25°28	16° 3	7°50	7°41	15° 5	4°22	S 22
M23	0 32 7	6° 5'49	5♏51	1° 3	1°21	5°36	22°59	28°45	16°47	25°27	16° 3	7°38	7°38	15°12	4°19	M23
T 24	0 36 4	7° 5'15	18°50	2° 3	2°35	6°11	22°55	28°50	16°47	25°26	16° 4	7°29	7°35	15°19	4°17	T 24
W25	0 40 0	8° 4'44	2♐ 0	3° 0	3°49	6°46	22°52	28°56	16°46	25°25	16° 4	7°23	7°32	15°25	4°14	W25
T 26	0 43 57	9° 4'14	15°22	3°54	5° 3	7°20	22°49	29° 1	16°46	25°24	16° 5	7°20	7°29	15°32	4°11	T 26
F 27	0 47 53	10° 3'47	28°56	4°45	6°17	7°55	22°45	29° 6	16°45	25°23	16° 5	7°19	7°26	15°39	4° 8	F 27
S 28	0 51 50	11° 3'21	12♑45	5°32	7°31	8°30	22°43	29°12	16°45	25°22	16° 5	7°19	7°22	15°46	4° 6	S 28
S 29	0 55 46	12° 2'57	26°48	6°16	8°45	9° 4	22°40	29°17	16°44	25°21	16° 6	7°18	7°19	15°52	4° 3	S 29
M30	0 59 43	13♎ 2'34	11♒ 6	6♏55	9♏59	9♌38	22♒37	29♏23	16♊44	25♒20	16♋ 6	7♑16	7♑16	15♌59	4♈ 0	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n 9	21s55	0n35	1s 1	0s12	0s49	0n56	22n35	0n56	14s33	1s24	17s57	1n42	22n56	0n 3	13s39	0s46	24n10	1n34	23s 9	23s15	14n18	4n51	2n58
M 2	5 46	18 10	1 50	1 44	0 20	1 20	0 54	22 30	0 57	14 35	1 24	17 58	1 42	22 56	0 3	13 39	0 46	24 10	1 34	23 9	23 15	14 15	4 50	2 58
T 3	5 23	13 12	2 59	2 27	0 28	1 52	0 52	22 24	0 58	14 38	1 23	17 59	1 42	22 56	0 3	13 40	0 46	24 10	1 34	23 10	23 15	14 12	4 49	2 58
W 4	5 0	7 24	3 57	3 10	0 35	2 23	0 50	22 19	0 58	14 40	1 23	18 0	1 42	22 56	0 3	13 40	0 46	24 10	1 35	23 10	23 16	14 10	4 48	2 58
T 5	4 37	1 10	4 38	3 52	0 43	2 54	0 48	22 13	0 59	14 42	1 23	18 1	1 41	22 56	0 3	13 41	0 46	24 10	1 35	23 11	23 16	14 7	4 47	2 58
F 6	4 14	5n 3	4 59	4 33	0 50	3 25	0 46	22 7	1 0	14 44	1 23	18 2	1 41	22 56	0 3	13 41	0 46	24 10	1 35	23 11	23 16	14 5	4 46	2 58
S 7	3 51	10 52	5 0	5 14	0 58	3 56	0 44	22 1	1 1	14 46	1 23	18 3	1 41	22 56	0 3	13 42	0 46	24 10	1 35	23 12	23 16	14 2	4 45	2 58
S 8	3 28	15 56	4 43	5 55	1 5	4 27	0 42	21 55	1 2	14 48	1 23	18 4	1 41	22 56	0 3	13 42	0 46	24 10	1 35	23 13	23 17	14 0	4 43	2 58
M 9	3 4	20 0	4 10	6 35	1 13	4 58	0 39	21 49	1 2	14 50	1 23	18 6	1 41	22 56	0 3	13 43	0 46	24 10	1 35	23 13	23 17	13 57	4 42	2 58
T 10	2 41	22 53	3 24	7 14	1 21	5 29	0 37	21 42	1 3	14 52	1 23	18 7	1 40	22 56	0 3	13 43	0 46	24 10	1 35	23 14	23 17	13 54	4 41	2 58
W11	2 18	24 28	2 29	7 53	1 28	6 0	0 35	21 36	1 4	14 54	1 23	18 8	1 40	22 56	0 3	13 44	0 46	24 10	1 35	23 14	23 17	13 52	4 40	2 58
T 12	1 54	24 47	1 28	8 31	1 35	6 31	0 32	21 29	1 5	14 56	1 23	18 9	1 40	22 56	0 3	13 44	0 46	24 10	1 35	23 14	23 17	13 49	4 39	2 58
F 13	1 31	23 53	0 25	9 8	1 43	7 1	0 30	21 22	1 6	14 58	1 23	18 10	1 40	22 56	0 3	13 45	0 46	24 10	1 36	23 14	23 18	13 47	4 38	2 58
S 14	1 7	21 54	0s39	9 44	1 50	7 32	0 27	21 15	1 6	14 59	1 23	18 11	1 40	22 56	0 3	13 45	0 46	24 10	1 36	23 14	23 18	13 44	4 37	2 58
S 15	0 43	19 0	1 40	10 20	1 57	8 2	0 25	21 8	1 7	15 1	1 23	18 13	1 39	22 57	0 3	13 45	0 46	24 10	1 36	23 14	23 18	13 41	4 36	2 58
M16	0 20	15 20	2 36	10 55	2 4	8 32	0 22	21 1	1 8	15 3	1 23	18 14	1 39	22 57	0 3	13 46	0 46	24 10	1 36	23 14	23 18	13 39	4 34	2 58
T 17	0s 4	11 4	3 26	11 28	2 11	9 2	0 20	20 54	1 9	15 4	1 22	18 15	1 39	22 57	0 3	13 46	0 46	24 10	1 36	23 15	23 18	13 36	4 33	2 58
W18	0 28	6 21	4 7	12 1	2 17	9 31	0 17	20 47	1 10	15 6	1 22	18 16	1 39	22 57	0 3	13 47	0 46	24 10	1 36	23 15	23 18	13 34	4 32	2 58
T 19	0 51	1 22	4 37	12 33	2 24	10 1	0 15	20 39	1 11	15 7	1 22	18 18	1 39	22 57	0 3	13 47	0 46	24 10	1 36	23 16	23 19	13 31	4 31	2 58
F 20	1 15	3s43	4 55	13 4	2 30	10 30	0 12	20 32	1 11	15 8	1 22	18 19	1 38	22 57	0 3	13 48	0 46	24 10	1 36	23 17	23 19	13 28	4 30	2 58
S 21	1 39	8 44	5 0	13 34	2 36	10 59	0 9	20 24	1 12	15 10	1 22	18 20	1 38	22 57	0 3	13 48	0 46	24 10	1 36	23 18	23 19	13 26	4 29	2 58
S 22	2 2	13 29	4 49	14 2	2 41	11 28	0 7	20 17	1 13	15 11	1 22	18 21	1 38	22 56	0 3	13 48	0 46	24 10	1 36	23 19	23 19	13 23	4 27	2 58
M23	2 26	17 41	4 25	14 29	2 46	11 56	0 4	20 9	1 14	15 12	1 22	18 23	1 38	22 56	0 3	13 49	0 46	24 10	1 37	23 19	23 19	13 21	4 26	2 57
T 24	2 50	21 7	3 46	14 55	2 51	12 24	0 1	20 1	1 15	15 13	1 22	18 24	1 38	22 56	0 3	13 49	0 46	24 10	1 37	23 20	23 20	13 18	4 25	2 57
W25	3 13	23 30	2 55	15 19	2 56	12 52	0s 2	19 53	1 16	15 14	1 21	18 25	1 38	22 56	0 3	13 49	0 46	24 10	1 37	23 20	23 20	13 15	4 24	2 57
T 26	3 37	24 37	1 53	15 41	3 0	13 20	0 4	19 45	1 17	15 15	1 21	18 27	1 37	22 56	0 3	13 50	0 46	24 10	1 37	23 20	23 20	13 13	4 23	2 57
F 27	4 0	24 17	0 44	16 2	3 3	13 47	0 7	19 37	1 17	15 16	1 21	18 28	1 37	22 56	0 3	13 50	0 46	24 11	1 37	23 21	23 20	13 10	4 22	2 57
S 28	4 24	22 27	0n29	16 21	3 6	14 14	0 10	19 29	1 18	15 17	1 21	18 29	1 37	22 56	0 3	13 51	0 46	24 11	1 37	23 21	23 20	13 8	4 20	2 57
S 29	4 47	19 14	1 41	16 38	3 9	14 41	0 13	19 20	1 19	15 18	1 21	18 31	1 37	22 56	0 3	13 51	0 46	24 11	1 37	23 21	23 20	13 5	4 19	2 57
M30	5s10	14s49	2n48	16s53	3s11	15s 7	0s16	19n12	1n20	15s18	1s21	18s32	1n37	22n56	0n 3	13s51	0s46	24n11	1n37	23s21	23s21	13n 2	4n18	2n57

Julian Day Number = 2156313.5, Delta T = 13m39s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'09, Lahiri = 12°35'10 Julian Calendar 1 Sept. 1191 == Greg. Calendar 8 Sept. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

OCTOBER 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 3 40	14♎ 2'13	25♒37	7♏28	11♏13	10♌13	22°R35	29♏28	16°R43	25°R19	16♋ 6	7°R12	7♉13	16♌ 6	3°R57	T 1
W 2	1 7 36	15° 1'54	10♓16	7°57	12°27	10°47	22♒33	29°34	16♊42	25♒18	16° 6	7♉ 4	7°10	16°12	3♈55	W 2
T 3	1 11 33	16° 1'37	24°57	8°20	13°41	11°21	22°31	29°40	16°41	25°17	16° 7	6°54	7° 6	16°19	3°52	T 3
F 4	1 15 29	17° 1'22	9♈33	8°36	14°54	11°55	22°29	29°46	16°40	25°16	16° 7	6°43	7° 3	16°26	3°49	F 4
S 5	1 19 26	18° 1'08	23°57	8°46	16° 8	12°28	22°28	29°51	16°39	25°15	16° 7	6°31	7° 0	16°32	3°47	S 5
S 6	1 23 22	19° 0'57	8♉ 1	8°R47	17°22	13° 2	22°26	29°57	16°38	25°14	16° 7	6°20	6°57	16°39	3°44	S 6
M 7	1 27 19	20° 0'48	21°42	8°41	18°36	13°36	22°25	0♐ 3	16°37	25°13	16° 7	6°11	6°54	16°46	3°41	M 7
T 8	1 31 15	21° 0'41	4♊57	8°26	19°50	14° 9	22°24	0° 9	16°36	25°13	16° 7	6° 5	6°51	16°52	3°39	T 8
W 9	1 35 12	22° 0'36	17°48	8° 2	21° 3	14°43	22°23	0°15	16°35	25°12	16° 7	6° 1	6°47	16°59	3°36	W 9
T 10	1 39 9	23° 0'34	0♋16	7°29	22°17	15°16	22°23	0°21	16°34	25°11	16° 7	6° 0	6°44	17° 6	3°33	T 10
F 11	1 43 5	24° 0'33	12°27	6°46	23°31	15°49	22°23	0°27	16°33	25°11	16°R 7	6°D 0	6°41	17°12	3°31	F 11
S 12	1 47 2	25° 0'35	24°25	5°55	24°45	16°22	22°D22	0°33	16°31	25°10	16° 7	6°R 0	6°38	17°19	3°28	S 12
S 13	1 50 58	26° 0'39	6♌15	4°55	25°58	16°55	22°22	0°40	16°30	25° 9	16° 7	6° 0	6°35	17°26	3°26	S 13
M14	1 54 55	27° 0'45	18° 4	3°48	27°12	17°28	22°23	0°46	16°29	25° 9	16° 7	5°58	6°32	17°32	3°23	M14
T 15	1 58 51	28° 0'53	29°56	2°35	28°26	18° 0	22°23	0°52	16°27	25° 8	16° 7	5°53	6°28	17°39	3°21	T 15
W16	2 2 48	29° 1'04	11♍56	1°18	29°39	18°33	22°24	0°58	16°26	25° 8	16° 7	5°46	6°25	17°46	3°18	W16
T 17	2 6 44	0♏ 1'16	24° 7	29♎59	0♐53	19° 5	22°25	1° 5	16°24	25° 7	16° 7	5°36	6°22	17°52	3°16	T 17
F 18	2 10 41	1° 1'30	6♎32	28°42	2° 7	19°38	22°26	1°11	16°23	25° 7	16° 7	5°25	6°19	17°59	3°14	F 18
S 19	2 14 38	2° 1'46	19°12	27°27	3°20	20°10	22°27	1°18	16°21	25° 6	16° 7	5°13	6°16	18° 6	3°11	S 19
S 20	2 18 34	3° 2'04	2♏ 7	26°18	4°34	20°42	22°29	1°24	16°19	25° 6	16° 6	5° 1	6°12	18°12	3° 9	S 20
M21	2 22 31	4° 2'24	15°15	25°17	5°48	21°14	22°30	1°31	16°18	25° 6	16° 6	4°51	6° 9	18°19	3° 7	M21
T 22	2 26 27	5° 2'46	28°37	24°25	7° 1	21°45	22°32	1°37	16°16	25° 5	16° 6	4°44	6° 6	18°26	3° 4	T 22
W23	2 30 24	6° 3'10	12♐ 9	23°44	8°15	22°17	22°34	1°44	16°14	25° 5	16° 6	4°39	6° 3	18°32	3° 2	W23
T 24	2 34 20	7° 3'34	25°50	23°15	9°28	22°48	22°37	1°50	16°12	25° 5	16° 5	4°36	6° 0	18°39	3° 0	T 24
F 25	2 38 17	8° 4'01	9♑40	22°57	10°42	23°20	22°39	1°57	16°11	25° 5	16° 5	4°D36	5°57	18°46	2°58	F 25
S 26	2 42 13	9° 4'29	23°36	22°D50	11°55	23°51	22°42	2° 4	16° 9	25° 4	16° 5	4°37	5°53	18°52	2°56	S 26
S 27	2 46 10	10° 4'58	7♒38	22°55	13° 9	24°22	22°45	2°11	16° 7	25° 4	16° 4	4°R38	5°50	18°59	2°54	S 27
M28	2 50 7	11° 5'28	21°47	23°10	14°22	24°53	22°48	2°17	16° 5	25° 4	16° 4	4°37	5°47	19° 6	2°51	M28
T 29	2 54 3	12° 6'00	5♓59	23°35	15°36	25°23	22°51	2°24	16° 3	25° 4	16° 3	4°35	5°44	19°13	2°49	T 29
W30	2 58 0	13° 6'32	20°14	24° 9	16°49	25°54	22°55	2°31	16° 1	25° 4	16° 3	4°30	5°41	19°19	2°48	W30
T 31	3 1 56	14♏ 7'06	4♈28	24♎51	18♐ 3	26♌24	22♒58	2♐38	15♊59	25°D 4	16♋ 2	4♉23	5♉38	19♌26	2♈46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s34	9s30	3n46	17s 5	3s12	15s33	0s19	19n 4	1n21	15s19	1s21	18s33	1n37	22n56	0n 3	13s52	0s46	24n11	1n37	23s21	23s21	13n 0	4n17	2n57
W 2	5 57	3 36	4 29	17 14	3 12	15 59	0 21	18 55	1 22	15 19	1 20	18 35	1 36	22 56	0 3	13 52	0 46	24 11	1 38	23 21	23 21	12 57	4 16	2 57
T 3	6 20	2n29	4 54	17 21	3 11	16 24	0 24	18 46	1 23	15 20	1 20	18 36	1 36	22 56	0 3	13 52	0 46	24 11	1 38	23 22	23 21	12 54	4 15	2 57
F 4	6 43	8 24	5 0	17 25	3 9	16 49	0 27	18 38	1 23	15 20	1 20	18 37	1 36	22 56	0 3	13 52	0 46	24 11	1 38	23 22	23 21	12 52	4 13	2 56
S 5	7 6	13 46	4 47	17 25	3 6	17 13	0 30	18 29	1 24	15 21	1 20	18 39	1 36	22 56	0 4	13 53	0 46	24 11	1 38	23 23	23 22	12 49	4 12	2 56
S 6	7 29	18 17	4 17	17 21	3 1	17 37	0 33	18 20	1 25	15 21	1 20	18 40	1 36	22 56	0 4	13 53	0 46	24 11	1 38	23 24	23 22	12 47	4 11	2 56
M 7	7 51	21 41	3 32	17 14	2 56	18 0	0 36	18 11	1 26	15 21	1 20	18 42	1 36	22 56	0 4	13 53	0 46	24 11	1 38	23 24	23 22	12 44	4 10	2 56
T 8	8 14	23 47	2 37	17 2	2 48	18 23	0 38	18 3	1 27	15 21	1 19	18 43	1 35	22 56	0 4	13 53	0 46	24 11	1 38	23 24	23 22	12 41	4 9	2 56
W 9	8 37	24 34	1 35	16 46	2 40	18 46	0 41	17 54	1 28	15 21	1 19	18 44	1 35	22 55	0 4	13 54	0 46	24 12	1 38	23 24	23 22	12 39	4 8	2 56
T 10	8 59	24 3	0 30	16 25	2 29	19 8	0 44	17 45	1 29	15 21	1 19	18 46	1 35	22 55	0 4	13 54	0 46	24 12	1 38	23 24	23 22	12 36	4 6	2 56
F 11	9 21	22 23	0s34	15 59	2 17	19 29	0 47	17 36	1 30	15 21	1 19	18 47	1 35	22 55	0 4	13 54	0 46	24 12	1 38	23 24	23 22	12 33	4 5	2 56
S 12	9 43	19 45	1 36	15 28	2 2	19 50	0 50	17 27	1 31	15 21	1 19	18 49	1 35	22 55	0 4	13 54	0 46	24 12	1 39	23 24	23 23	12 31	4 4	2 56
S 13	10 5	16 19	2 34	14 53	1 47	20 11	0 52	17 17	1 32	15 21	1 19	18 50	1 35	22 55	0 4	13 55	0 46	24 12	1 39	23 24	23 23	12 28	4 3	2 55
M14	10 27	12 15	3 24	14 14	1 29	20 31	0 55	17 8	1 33	15 21	1 18	18 51	1 35	22 55	0 4	13 55	0 46	24 12	1 39	23 25	23 23	12 25	4 2	2 55
T 15	10 49	7 42	4 6	13 31	1 10	20 50	0 58	16 59	1 34	15 21	1 18	18 53	1 35	22 55	0 4	13 55	0 46	24 12	1 39	23 25	23 23	12 23	4 1	2 55
W16	11 10	2 50	4 38	12 46	0 50	21 9	1 0	16 50	1 35	15 20	1 18	18 54	1 34	22 55	0 4	13 55	0 46	24 12	1 39	23 25	23 23	12 20	4 0	2 55
T 17	11 32	2s12	4 57	11 59	0 30	21 27	1 3	16 41	1 35	15 20	1 18	18 56	1 34	22 54	0 4	13 55	0 46	24 12	1 39	23 26	23 23	12 17	3 59	2 55
F 18	11 53	7 14	5 3	11 12	0 9	21 45	1 6	16 31	1 36	15 19	1 18	18 57	1 34	22 54	0 4	13 55	0 46	24 13	1 39	23 26	23 24	12 15	3 57	2 55
S 19	12 14	12 4	4 54	10 26	0n11	22 2	1 8	16 22	1 37	15 19	1 17	18 59	1 34	22 54	0 4	13 55	0 46	24 13	1 39	23 26	23 24	12 12	3 56	2 55
S 20	12 35	16 29	4 30	9 43	0 31	22 18	1 11	16 13	1 38	15 18	1 17	19 0	1 34	22 54	0 4	13 56	0 46	24 13	1 39	23 27	23 24	12 9	3 55	2 54
M21	12 55	20 10	3 52	9 3	0 50	22 34	1 13	16 3	1 39	15 17	1 17	19 1	1 34	22 54	0 4	13 56	0 46	24 13	1 40	23 27	23 24	12 7	3 54	2 54
T 22	13 16	22 52	3 0	8 28	1 7	22 50	1 16	15 54	1 40	15 16	1 17	19 3	1 34	22 54	0 4	13 56	0 45	24 13	1 40	23 28	23 24	12 4	3 53	2 54
W23	13 36	24 17	1 57	7 58	1 23	23 4	1 18	15 44	1 41	15 15	1 17	19 4	1 34	22 53	0 4	13 56	0 45	24 13	1 40	23 28	23 24	12 1	3 52	2 54
T 24	13 56	24 15	0 47	7 35	1 37	23 18	1 21	15 35	1 42	15 15	1 17	19 6	1 33	22 53	0 4	13 56	0 45	24 13	1 40	23 28	23 24	11 59	3 51	2 54
F 25	14 16	22 44	0n27	7 17	1 48	23 31	1 23	15 26	1 43	15 14	1 16	19 7	1 33	22 53	0 4	13 56	0 45	24 14	1 40	23 28	23 25	11 56	3 50	2 54
S 26	14 35	19 50	1 40	7 5	1 58	23 44	1 26	15 16	1 44	15 12	1 16	19 9	1 33	22 53	0 4	13 56	0 45	24 14	1 40	23 28	23 25	11 53	3 49	2 53
S 27	14 54	15 44	2 48	6 59	2 7	23 56	1 28	15 7	1 45	15 11	1 16	19 10	1 33	22 53	0 4	13 56	0 45	24 14	1 40	23 28	23 25	11 51	3 48	2 53
M28	15 13	10 45	3 45	6 59	2 13	24 7	1 30	14 57	1 46	15 10	1 16	19 11	1 33	22 53	0 4	13 56	0 45	24 14	1 40	23 28	23 25	11 48	3 47	2 53
T 29	15 32	5 11	4 30	7 4	2 18	24 18	1 33	14 48	1 47	15 9	1 16	19 13	1 33	22 52	0 4	13 56	0 45	24 14	1 40	23 28	23 25	11 45	3 46	2 53
W30	15 51	0n40	4 57	7 14	2 21	24 28	1 35	14 38	1 48	15 8	1 15	19 14	1 33	22 52	0 4	13 56	0 45	24 14	1 41	23 28	23 25	11 43	3 45	2 53
T 31	16s 9	6n28	5n 7	7s27	2n23	24s37	1s37	14n29	1n49	15s 6	1s15	19s16	1n33	22n52	0n 4	13s56	0s45	24n14	1n41	23s28	23s25	11n40	3n44	2n53

Julian Day Number = 2156343.5, Delta T = 13m39s
Ecliptic obliquity = 23°32'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'14, Lahiri = 12°35'14 Julian Calendar 1 Oct. 1191 == Greg. Calendar 8 Oct. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

NOVEMBER 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 5 53	15♏ 7'42	18♈36	25♎41	19♐16	26♌54	23♒ 2	2♐44	15°R57	25♒ 4	16°R 2	4°R15	5♑34	19♌33	2°R44	F 1
S 2	3 9 49	16° 8'19	2♉34	26°36	20°29	27°24	23° 6	2°51	15♊55	25° 4	16♋ 1	4♑ 7	5°31	19°39	2♈42	S 2
S 3	3 13 46	17° 8'57	16°17	27°37	21°43	27°54	23°11	2°58	15°53	25° 4	16° 1	3°59	5°28	19°46	2°40	S 3
M 4	3 17 42	18° 9'37	29°43	28°42	22°56	28°24	23°15	3° 5	15°50	25° 4	16° 0	3°53	5°25	19°53	2°38	M 4
T 5	3 21 39	19°10'18	12♊48	29°52	24° 9	28°53	23°20	3°12	15°48	25° 4	16° 0	3°48	5°22	19°59	2°37	T 5
W 6	3 25 36	20°11'01	25°34	1♏ 5	25°22	29°23	23°24	3°19	15°46	25° 5	15°59	3°46	5°18	20° 6	2°35	W 6
T 7	3 29 32	21°11'45	8♋ 1	2°21	26°35	29°52	23°29	3°26	15°44	25° 5	15°58	3°D46	5°15	20°13	2°33	T 7
F 8	3 33 29	22°12'31	20°12	3°40	27°49	0♍21	23°35	3°33	15°41	25° 5	15°58	3°47	5°12	20°19	2°32	F 8
S 9	3 37 25	23°13'18	2♌11	5° 1	29° 2	0°49	23°40	3°40	15°39	25° 5	15°57	3°49	5° 9	20°26	2°30	S 9
S 10	3 41 22	24°14'07	14° 3	6°24	0♑15	1°18	23°45	3°47	15°37	25° 6	15°56	3°50	5° 6	20°33	2°29	S 10
M11	3 45 18	25°14'58	25°53	7°49	1°28	1°46	23°51	3°54	15°34	25° 6	15°55	3°R51	5° 3	20°39	2°27	M11
T 12	3 49 15	26°15'49	7♍46	9°14	2°41	2°15	23°57	4° 1	15°32	25° 6	15°55	3°50	4°59	20°46	2°26	T 12
W13	3 53 11	27°16'43	19°47	10°41	3°54	2°43	24° 3	4° 8	15°30	25° 7	15°54	3°47	4°56	20°53	2°25	W13
T 14	3 57 8	28°17'37	2♎ 1	12° 9	5° 7	3°10	24° 9	4°15	15°27	25° 7	15°53	3°43	4°53	20°59	2°23	T 14
F 15	4 1 5	29°18'33	14°30	13°38	6°20	3°38	24°16	4°22	15°25	25° 8	15°52	3°38	4°50	21° 6	2°22	F 15
S 16	4 5 1	0♐19'30	27°18	15° 7	7°33	4° 5	24°22	4°29	15°22	25° 8	15°51	3°32	4°47	21°13	2°21	S 16
S 17	4 8 58	1°20'29	10♏26	16°37	8°45	4°32	24°29	4°36	15°20	25° 9	15°51	3°26	4°43	21°20	2°20	S 17
M18	4 12 54	2°21'28	23°54	18° 8	9°58	4°59	24°36	4°43	15°17	25°10	15°50	3°21	4°40	21°26	2°19	M18
T 19	4 16 51	3°22'29	7♐38	19°39	11°11	5°26	24°43	4°50	15°15	25°10	15°49	3°18	4°37	21°33	2°18	T 19
W20	4 20 47	4°23'31	21°37	21°10	12°24	5°52	24°50	4°57	15°12	25°11	15°48	3°16	4°34	21°40	2°17	W20
T 21	4 24 44	5°24'33	5♑46	22°41	13°36	6°18	24°57	5° 4	15°10	25°12	15°47	3°D15	4°31	21°46	2°16	T 21
F 22	4 28 40	6°25'37	20° 2	24°13	14°49	6°44	25° 5	5°12	15° 7	25°12	15°46	3°16	4°28	21°53	2°15	F 22
S 23	4 32 37	7°26'40	4♒19	25°45	16° 1	7° 9	25°13	5°19	15° 5	25°13	15°45	3°17	4°24	22° 0	2°14	S 23
S 24	4 36 34	8°27'45	18°36	27°17	17°14	7°35	25°20	5°26	15° 2	25°14	15°44	3°19	4°21	22° 6	2°13	S 24
M25	4 40 30	9°28'49	2♓49	28°49	18°26	8° 0	25°28	5°33	15° 0	25°15	15°43	3°R20	4°18	22°13	2°13	M25
T 26	4 44 27	10°29'55	16°56	0♐22	19°39	8°25	25°36	5°40	14°57	25°16	15°42	3°20	4°15	22°20	2°12	T 26
W27	4 48 23	11°31'00	0♈56	1°54	20°51	8°49	25°45	5°47	14°55	25°16	15°41	3°19	4°12	22°26	2°11	W27
T 28	4 52 20	12°32'06	14°47	3°27	22° 3	9°13	25°53	5°54	14°52	25°17	15°40	3°17	4° 9	22°33	2°11	T 28
F 29	4 56 16	13°33'12	28°28	5° 0	23°15	9°37	26° 2	6° 1	14°50	25°18	15°39	3°14	4° 5	22°40	2°10	F 29
S 30	5 0 13	14♐34'19	11♑57	6♐33	24♑27	10♍ 1	26♒10	6♐ 8	14♊47	25♒19	15♋38	3♑11	4♑ 2	22♌47	2♈10	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s27	11n54	4n57	7s45	2n23	24s45	1s39	14n20	1n50	15s 5	1s15	19s17	1n33	22n52	0n 4	13s56	0s45	24n15	1n41	23s29	23s26	11n37	3n43	2n52
S 2	16 44	16 38	4 30	8 5	2 23	24 53	1 41	14 10	1 52	15 3	1 15	19 19	1 33	22 52	0 4	13 56	0 45	24 15	1 41	23 29	23 26	11 35	3 43	2 52
S 3	17 2	20 25	3 48	8 28	2 21	25 0	1 43	14 1	1 53	15 2	1 15	19 20	1 32	22 51	0 4	13 56	0 45	24 15	1 41	23 29	23 26	11 32	3 42	2 52
M 4	17 19	23 0	2 53	8 54	2 19	25 6	1 45	13 52	1 54	15 0	1 14	19 21	1 32	22 51	0 4	13 56	0 45	24 15	1 41	23 29	23 26	11 29	3 41	2 52
T 5	17 36	24 16	1 51	9 21	2 16	25 11	1 47	13 42	1 55	14 58	1 14	19 23	1 32	22 51	0 4	13 56	0 45	24 15	1 41	23 29	23 26	11 27	3 40	2 52
W 6	17 52	24 12	0 44	9 50	2 12	25 16	1 48	13 33	1 56	14 56	1 14	19 24	1 32	22 51	0 4	13 56	0 45	24 16	1 41	23 29	23 26	11 24	3 39	2 52
T 7	18 8	22 55	0s23	10 21	2 8	25 20	1 50	13 24	1 57	14 55	1 14	19 26	1 32	22 50	0 4	13 56	0 45	24 16	1 41	23 29	23 26	11 21	3 38	2 51
F 8	18 24	20 34	1 28	10 52	2 3	25 23	1 52	13 14	1 58	14 53	1 14	19 27	1 32	22 50	0 4	13 56	0 45	24 16	1 41	23 29	23 26	11 19	3 37	2 51
S 9	18 40	17 21	2 28	11 24	1 58	25 26	1 53	13 5	1 59	14 51	1 14	19 28	1 32	22 50	0 4	13 55	0 45	24 16	1 42	23 29	23 27	11 16	3 37	2 51
S 10	18 55	13 28	3 22	11 57	1 52	25 27	1 55	12 56	2 0	14 49	1 13	19 30	1 32	22 50	0 4	13 55	0 45	24 16	1 42	23 29	23 27	11 13	3 36	2 51
M11	19 10	9 5	4 6	12 30	1 46	25 28	1 56	12 47	2 1	14 47	1 13	19 31	1 32	22 50	0 4	13 55	0 45	24 16	1 42	23 29	23 27	11 11	3 35	2 51
T 12	19 24	4 22	4 40	13 4	1 40	25 29	1 58	12 38	2 3	14 45	1 13	19 33	1 32	22 49	0 4	13 55	0 45	24 17	1 42	23 29	23 27	11 8	3 34	2 50
W13	19 38	0s34	5 2	13 37	1 33	25 28	1 59	12 28	2 4	14 42	1 13	19 34	1 32	22 49	0 4	13 55	0 45	24 17	1 42	23 29	23 27	11 5	3 34	2 50
T 14	19 52	5 33	5 11	14 11	1 27	25 27	2 0	12 19	2 5	14 40	1 13	19 35	1 32	22 49	0 4	13 55	0 45	24 17	1 42	23 30	23 27	11 3	3 33	2 50
F 15	20 5	10 26	5 6	14 44	1 20	25 25	2 1	12 10	2 6	14 38	1 12	19 37	1 31	22 49	0 4	13 55	0 45	24 17	1 42	23 30	23 27	11 0	3 32	2 50
S 16	20 18	14 59	4 45	15 17	1 13	25 22	2 2	12 2	2 7	14 36	1 12	19 38	1 31	22 48	0 4	13 54	0 45	24 17	1 42	23 30	23 27	10 57	3 32	2 50
S 17	20 31	18 57	4 9	15 50	1 6	25 18	2 3	11 53	2 8	14 33	1 12	19 39	1 31	22 48	0 4	13 54	0 45	24 18	1 42	23 30	23 28	10 54	3 31	2 49
M18	20 43	22 2	3 19	16 22	0 59	25 14	2 4	11 44	2 10	14 31	1 12	19 41	1 31	22 48	0 4	13 54	0 45	24 18	1 42	23 30	23 28	10 52	3 30	2 49
T 19	20 55	23 55	2 16	16 54	0 52	25 9	2 5	11 35	2 11	14 28	1 12	19 42	1 31	22 47	0 4	13 54	0 45	24 18	1 43	23 30	23 28	10 49	3 30	2 49
W20	21 7	24 20	1 3	17 25	0 45	25 3	2 6	11 27	2 12	14 26	1 12	19 43	1 31	22 47	0 4	13 53	0 45	24 18	1 43	23 30	23 28	10 46	3 29	2 49
T 21	21 18	23 11	0n14	17 55	0 37	24 56	2 6	11 18	2 13	14 23	1 11	19 45	1 31	22 47	0 4	13 53	0 45	24 18	1 43	23 30	23 28	10 44	3 29	2 49
F 22	21 29	20 33	1 31	18 25	0 30	24 49	2 7	11 9	2 14	14 20	1 11	19 46	1 31	22 47	0 4	13 53	0 45	24 19	1 43	23 30	23 28	10 41	3 28	2 48
S 23	21 39	16 38	2 43	18 54	0 23	24 41	2 7	11 1	2 16	14 17	1 11	19 47	1 31	22 46	0 4	13 53	0 45	24 19	1 43	23 30	23 28	10 38	3 28	2 48
S 24	21 49	11 46	3 44	19 23	0 16	24 32	2 8	10 53	2 17	14 15	1 11	19 49	1 31	22 46	0 4	13 52	0 45	24 19	1 43	23 30	23 28	10 36	3 27	2 48
M25	21 58	6 18	4 31	19 50	0 9	24 23	2 8	10 44	2 18	14 12	1 11	19 50	1 31	22 46	0 4	13 52	0 45	24 19	1 43	23 30	23 28	10 33	3 27	2 48
T 26	22 7	0 33	5 2	20 17	0 2	24 13	2 8	10 36	2 19	14 9	1 11	19 51	1 31	22 46	0 4	13 52	0 45	24 20	1 43	23 30	23 29	10 30	3 26	2 47
W27	22 16	5n11	5 15	20 43	0s 5	24 2	2 8	10 28	2 21	14 6	1 11	19 52	1 31	22 45	0 4	13 51	0 45	24 20	1 43	23 30	23 29	10 27	3 26	2 47
T 28	22 24	10 35	5 9	21 8	0 12	23 50	2 8	10 20	2 22	14 3	1 10	19 54	1 31	22 45	0 4	13 51	0 45	24 20	1 43	23 30	23 29	10 25	3 25	2 47
F 29	22 32	15 24	4 45	21 32	0 19	23 38	2 8	10 12	2 23	14 0	1 10	19 55	1 31	22 45	0 4	13 51	0 45	24 20	1 44	23 30	23 29	10 22	3 25	2 47
S 30	22s39	19n23	4n 6	21s55	0s25	23s25	2s 8	10n 5	2n25	13s57	1s10	19s56	1n31	22n44	0n 4	13s50	0s45	24n20	1n44	23s30	23s29	10n19	3n25	2n47

Julian Day Number = 2156374.5, Delta T = 13m39s
Ecliptic obliquity = 23°32'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'18, Lahiri = 12°35'18 Julian Calendar 1 Nov. 1191 == Greg. Calendar 8 Nov. 1191

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ASTRODIENST EPHEMERIS for the year 1191
geocentric

DECEMBER 1191 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 4 9	15♐35'26	25♉13	8♐ 6	25♑39	10♍24	26♒19	6♐15	14°R44	25♒20	15°R37	3°R 8	3♑59	22♌53	2°R10	S 1
M 2	5 8 6	16°36'33	8♊16	9°40	26°51	10°47	26°28	6°22	14♊42	25°21	15♋36	3♑ 6	3°56	23° 0	2♈ 9	M 2
T 3	5 12 3	17°37'41	21° 3	11°13	28° 3	11°10	26°37	6°29	14°39	25°23	15°34	3° 5	3°53	23° 7	2° 9	T 3
W 4	5 15 59	18°38'50	3♋36	12°47	29°15	11°33	26°47	6°36	14°37	25°24	15°33	3°D 5	3°50	23°13	2° 9	W 4
T 5	5 19 56	19°39'59	15°56	14°21	0♒27	11°55	26°56	6°43	14°34	25°25	15°32	3° 5	3°46	23°20	2° 9	T 5
F 6	5 23 52	20°41'08	28° 4	15°55	1°38	12°16	27° 6	6°50	14°32	25°26	15°31	3° 6	3°43	23°27	2° 9	F 6
S 7	5 27 49	21°42'18	10♌ 2	17°29	2°50	12°38	27°15	6°57	14°29	25°27	15°30	3° 7	3°40	23°33	2°D 9	S 7
S 8	5 31 45	22°43'28	21°54	19° 4	4° 1	12°59	27°25	7° 4	14°26	25°29	15°29	3° 8	3°37	23°40	2° 9	S 8
M 9	5 35 42	23°44'39	3♍44	20°39	5°13	13°20	27°35	7°11	14°24	25°30	15°27	3° 9	3°34	23°47	2° 9	M 9
T 10	5 39 39	24°45'50	15°37	22°14	6°24	13°40	27°45	7°17	14°21	25°31	15°26	3°10	3°30	23°53	2° 9	T 10
W11	5 43 35	25°47'02	27°36	23°50	7°35	14° 0	27°55	7°24	14°19	25°32	15°25	3°R10	3°27	24° 0	2° 9	W11
T 12	5 47 32	26°48'14	9♎47	25°25	8°46	14°19	28° 5	7°31	14°16	25°34	15°24	3°10	3°24	24° 7	2° 9	T 12
F 13	5 51 28	27°49'26	22°15	27° 1	9°57	14°39	28°16	7°38	14°14	25°35	15°22	3° 9	3°21	24°13	2°10	F 13
S 14	5 55 25	28°50'39	5♏ 3	28°38	11° 8	14°57	28°26	7°45	14°11	25°37	15°21	3° 9	3°18	24°20	2°10	S 14
S 15	5 59 21	29°51'52	18°13	0♑14	12°19	15°16	28°37	7°51	14° 9	25°38	15°20	3° 8	3°15	24°27	2°11	S 15
M16	6 3 18	0♑53'05	1♐48	1°51	13°30	15°34	28°47	7°58	14° 7	25°40	15°19	3° 8	3°11	24°34	2°11	M16
T 17	6 7 14	1°54'18	15°47	3°29	14°40	15°51	28°58	8° 5	14° 4	25°41	15°17	3° 8	3° 8	24°40	2°12	T 17
W18	6 11 11	2°55'31	0♑ 6	5° 7	15°51	16° 8	29° 9	8°12	14° 2	25°43	15°16	3° 8	3° 5	24°47	2°12	W18
T 19	6 15 8	3°56'45	14°41	6°45	17° 1	16°25	29°20	8°18	13°59	25°44	15°15	3° 8	3° 2	24°54	2°13	T 19
F 20	6 19 4	4°57'58	29°26	8°23	18°11	16°41	29°31	8°25	13°57	25°46	15°14	3° 8	2°59	25° 0	2°14	F 20
S 21	6 23 1	5°59'10	14♒12	10° 2	19°21	16°57	29°43	8°31	13°55	25°47	15°12	3° 7	2°56	25° 7	2°14	S 21
S 22	6 26 57	7° 0'22	28°54	11°42	20°31	17°12	29°54	8°38	13°52	25°49	15°11	3° 7	2°52	25°14	2°15	S 22
M23	6 30 54	8° 1'34	13♓25	13°22	21°41	17°27	0♓ 6	8°44	13°50	25°51	15°10	3° 7	2°49	25°20	2°16	M23
T 24	6 34 50	9° 2'44	27°42	15° 2	22°51	17°41	0°17	8°51	13°48	25°52	15° 8	3° 6	2°46	25°27	2°17	T 24
W25	6 38 47	10° 3'54	11♈41	16°42	24° 0	17°55	0°29	8°57	13°46	25°54	15° 7	3°D 6	2°43	25°34	2°18	W25
T 26	6 42 43	11° 5'04	25°22	18°23	25°10	18° 8	0°40	9° 4	13°43	25°56	15° 6	3° 6	2°40	25°41	2°19	T 26
F 27	6 46 40	12° 6'12	8♉46	20° 4	26°19	18°21	0°52	9°10	13°41	25°57	15° 4	3° 7	2°36	25°47	2°20	F 27
S 28	6 50 37	13° 7'20	21°53	21°45	27°28	18°33	1° 4	9°16	13°39	25°59	15° 3	3° 8	2°33	25°54	2°21	S 28
S 29	6 54 33	14° 8'27	4♊46	23°27	28°37	18°45	1°16	9°22	13°37	26° 1	15° 2	3° 9	2°30	26° 1	2°22	S 29
M30	6 58 30	15° 9'34	17°25	25° 8	29°46	18°56	1°28	9°29	13°35	26° 3	15° 0	3°10	2°27	26° 7	2°24	M30
T 31	7 2 26	16♑10'40	29♊53	26♑50	0♓54	19♍ 6	1♓40	9♐35	13♊33	26♒ 5	14♋59	3°R10	2♑24	26♌14	2♈25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s46	22n18	3n14	22s17	0s32	23s11	2s 7	9n57	2n26	13s54	1s10	19s57	1n31	22n44	0n 4	13s50	0s45	24n21	1n44	23s30	23s29	10n17	3n24	2n46
M 2	22 52	23 58	2 13	22 37	0 38	22 57	2 7	9 49	2 27	13 50	1 10	19 59	1 31	22 44	0 4	13 50	0 45	24 21	1 44	23 30	23 29	10 14	3 24	2 46
T 3	22 58	24 20	1 6	22 57	0 44	22 42	2 6	9 42	2 29	13 47	1 10	20 0	1 31	22 44	0 4	13 49	0 45	24 21	1 44	23 30	23 29	10 11	3 24	2 46
W 4	23 3	23 27	0s 3	23 16	0 50	22 27	2 6	9 34	2 30	13 44	1 9	20 1	1 31	22 43	0 4	13 49	0 45	24 21	1 44	23 30	23 29	10 8	3 23	2 46
T 5	23 8	21 25	1 11	23 33	0 56	22 11	2 5	9 27	2 31	13 40	1 9	20 2	1 31	22 43	0 4	13 49	0 45	24 21	1 44	23 30	23 29	10 6	3 23	2 46
F 6	23 13	18 27	2 14	23 50	1 2	21 54	2 4	9 20	2 33	13 37	1 9	20 3	1 31	22 43	0 4	13 48	0 45	24 22	1 44	23 30	23 29	10 3	3 23	2 45
S 7	23 17	14 45	3 11	24 5	1 8	21 37	2 3	9 13	2 34	13 34	1 9	20 5	1 31	22 42	0 4	13 48	0 45	24 22	1 44	23 30	23 30	10 0	3 23	2 45
S 8	23 21	10 30	3 59	24 18	1 13	21 19	2 2	9 6	2 36	13 30	1 9	20 6	1 31	22 42	0 4	13 47	0 45	24 22	1 44	23 30	23 30	9 58	3 23	2 45
M 9	23 24	5 53	4 37	24 31	1 18	21 0	2 1	9 0	2 37	13 26	1 9	20 7	1 31	22 42	0 4	13 47	0 45	24 22	1 44	23 30	23 30	9 55	3 22	2 45
T 10	23 26	1 3	5 3	24 42	1 23	20 41	2 0	8 53	2 38	13 23	1 9	20 8	1 31	22 42	0 4	13 46	0 45	24 23	1 45	23 30	23 30	9 52	3 22	2 44
W11	23 29	3s52	5 16	24 52	1 28	20 22	1 59	8 47	2 40	13 19	1 8	20 9	1 31	22 41	0 4	13 46	0 45	24 23	1 45	23 30	23 30	9 49	3 22	2 44
T 12	23 30	8 43	5 15	25 1	1 33	20 2	1 57	8 40	2 41	13 16	1 8	20 10	1 30	22 41	0 4	13 45	0 45	24 23	1 45	23 30	23 30	9 47	3 22	2 44
F 13	23 32	13 20	5 0	25 8	1 37	19 41	1 56	8 34	2 43	13 12	1 8	20 11	1 30	22 41	0 4	13 45	0 45	24 23	1 45	23 30	23 30	9 44	3 22	2 44
S 14	23 32	17 29	4 30	25 13	1 41	19 20	1 54	8 28	2 44	13 8	1 8	20 13	1 30	22 40	0 4	13 44	0 45	24 24	1 45	23 30	23 30	9 41	3 22	2 44
S 15	23 33	20 55	3 44	25 18	1 45	18 58	1 52	8 23	2 46	13 4	1 8	20 14	1 30	22 40	0 4	13 44	0 45	24 24	1 45	23 30	23 30	9 39	3 22	2 43
M16	23 32	23 19	2 45	25 20	1 49	18 36	1 50	8 17	2 47	13 0	1 8	20 15	1 30	22 40	0 4	13 43	0 45	24 24	1 45	23 30	23 30	9 36	3 22	2 43
T 17	23 32	24 21	1 35	25 22	1 52	18 14	1 48	8 11	2 49	12 56	1 8	20 16	1 30	22 40	0 4	13 43	0 45	24 24	1 45	23 30	23 30	9 33	3 22	2 43
W18	23 31	23 49	0 17	25 21	1 55	17 51	1 46	8 6	2 50	12 52	1 8	20 17	1 30	22 39	0 4	13 42	0 45	24 24	1 45	23 30	23 30	9 30	3 22	2 43
T 19	23 29	21 40	1n 4	25 20	1 58	17 27	1 44	8 1	2 52	12 48	1 8	20 18	1 30	22 39	0 4	13 42	0 45	24 25	1 45	23 30	23 31	9 28	3 22	2 43
F 20	23 27	18 4	2 21	25 16	2 0	17 3	1 42	7 56	2 53	12 44	1 7	20 19	1 30	22 39	0 4	13 41	0 45	24 25	1 45	23 30	23 31	9 25	3 22	2 42
S 21	23 24	13 18	3 29	25 11	2 2	16 39	1 39	7 51	2 55	12 40	1 7	20 20	1 31	22 39	0 4	13 41	0 45	24 25	1 45	23 30	23 31	9 22	3 22	2 42
S 22	23 21	7 48	4 23	25 5	2 3	16 14	1 37	7 47	2 56	12 36	1 7	20 21	1 31	22 38	0 4	13 40	0 45	24 25	1 45	23 30	23 31	9 19	3 22	2 42
M23	23 18	1 57	4 59	24 56	2 5	15 49	1 34	7 43	2 58	12 32	1 7	20 22	1 31	22 38	0 4	13 40	0 45	24 26	1 46	23 30	23 31	9 17	3 23	2 42
T 24	23 14	3n54	5 16	24 46	2 6	15 24	1 31	7 38	3 0	12 28	1 7	20 23	1 31	22 38	0 4	13 39	0 45	24 26	1 46	23 30	23 31	9 14	3 23	2 41
W25	23 10	9 27	5 14	24 35	2 6	14 58	1 28	7 34	3 1	12 24	1 7	20 24	1 31	22 37	0 4	13 38	0 45	24 26	1 46	23 30	23 31	9 11	3 23	2 41
T 26	23 5	14 24	4 54	24 21	2 6	14 32	1 25	7 31	3 3	12 19	1 7	20 25	1 31	22 37	0 4	13 38	0 45	24 26	1 46	23 30	23 31	9 9	3 23	2 41
F 27	22 59	18 33	4 18	24 6	2 5	14 5	1 22	7 27	3 4	12 15	1 7	20 26	1 31	22 37	0 4	13 37	0 45	24 26	1 46	23 30	23 31	9 6	3 23	2 41
S 28	22 54	21 41	3 29	23 50	2 4	13 38	1 19	7 24	3 6	12 11	1 7	20 27	1 31	22 37	0 4	13 37	0 45	24 27	1 46	23 30	23 31	9 3	3 24	2 41
S 29	22 47	23 39	2 31	23 31	2 3	13 11	1 16	7 21	3 8	12 6	1 6	20 28	1 31	22 36	0 4	13 36	0 45	24 27	1 46	23 30	23 31	9 0	3 24	2 40
M30	22 41	24 23	1 26	23 11	2 1	12 44	1 12	7 18	3 9	12 2	1 6	20 29	1 31	22 36	0 4	13 35	0 45	24 27	1 46	23 30	23 31	8 58	3 24	2 40
T 31	22s34	23n51	0n18	22s49	1s58	12s16	1s 9	7n15	3n11	11s57	1s 6	20s29	1n31	22n36	0n 4	13s35	0s45	24n27	1n46	23s30	23s31	8n55	3n25	2n40

Julian Day Number = 2156404.5, Delta T = 13m39s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'22, Lahiri = 12°35'22 Julian Calendar 1 Dec. 1191 == Greg. Calendar 8 Dec. 1191

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

JANUARY 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 6 23	17♑11'45	12♋10	28♑31	2♓ 3	19♍16	1♓53	9♐41	13°R31	26♒ 7	14°R58	3°R10	2♑21	26♌21	2♈26	W 1
T 2	7 10 19	18°12'49	24°19	0♒13	3°11	19°26	2° 5	9°47	13♊29	26° 8	14♋57	3♑ 9	2°17	26°27	2°28	T 2
F 3	7 14 16	19°13'53	6♌20	1°53	4°19	19°34	2°18	9°53	13°27	26°10	14°55	3° 7	2°14	26°34	2°29	F 3
S 4	7 18 12	20°14'56	18°15	3°34	5°27	19°42	2°30	9°59	13°25	26°12	14°54	3° 5	2°11	26°41	2°31	S 4
S 5	7 22 9	21°15'58	0♍ 6	5°13	6°34	19°50	2°43	10° 5	13°23	26°14	14°53	3° 2	2° 8	26°48	2°32	S 5
M 6	7 26 6	22°16'59	11°57	6°52	7°41	19°57	2°55	10°11	13°21	26°16	14°51	2°59	2° 5	26°54	2°34	M 6
T 7	7 30 2	23°18'00	23°50	8°29	8°49	20° 3	3° 8	10°17	13°19	26°18	14°50	2°56	2° 1	27° 1	2°36	T 7
W 8	7 33 59	24°19'00	5♎48	10° 4	9°55	20° 9	3°21	10°22	13°18	26°20	14°49	2°54	1°58	27° 8	2°37	W 8
T 9	7 37 55	25°20'00	17°56	11°38	11° 2	20°13	3°34	10°28	13°16	26°22	14°47	2°52	1°55	27°14	2°39	T 9
F 10	7 41 52	26°20'59	0♏19	13° 8	12° 9	20°18	3°47	10°34	13°14	26°24	14°46	2°D52	1°52	27°21	2°41	F 10
S 11	7 45 48	27°21'57	13° 0	14°36	13°15	20°21	4° 0	10°39	13°12	26°26	14°45	2°53	1°49	27°28	2°43	S 11
S 12	7 49 45	28°22'54	26° 5	16° 0	14°21	20°24	4°13	10°45	13°11	26°28	14°44	2°54	1°46	27°34	2°45	S 12
M13	7 53 41	29°23'51	9♐35	17°19	15°26	20°26	4°26	10°50	13° 9	26°30	14°42	2°56	1°42	27°41	2°47	M13
T 14	7 57 38	0♒24'47	23°33	18°34	16°32	20°27	4°39	10°56	13° 8	26°32	14°41	2°57	1°39	27°48	2°49	T 14
W15	8 1 35	1°25'42	7♑57	19°42	17°37	20°R28	4°52	11° 1	13° 6	26°34	14°40	2°R57	1°36	27°55	2°51	W15
T 16	8 5 31	2°26'36	22°44	20°44	18°42	20°28	5° 6	11° 6	13° 5	26°37	14°38	2°56	1°33	28° 1	2°53	T 16
F 17	8 9 28	3°27'28	7♒48	21°39	19°47	20°27	5°19	11°12	13° 3	26°39	14°37	2°53	1°30	28° 8	2°55	F 17
S 18	8 13 24	4°28'20	22°58	22°25	20°51	20°25	5°32	11°17	13° 2	26°41	14°36	2°49	1°27	28°15	2°57	S 18
S 19	8 17 21	5°29'10	8♓ 6	23° 3	21°55	20°23	5°46	11°22	13° 1	26°43	14°35	2°44	1°23	28°21	3° 0	S 19
M20	8 21 17	6°29'58	23° 1	23°31	22°59	20°20	5°59	11°27	13° 0	26°45	14°34	2°40	1°20	28°28	3° 2	M20
T 21	8 25 14	7°30'45	7♈36	23°49	24° 2	20°16	6°13	11°32	12°58	26°47	14°32	2°35	1°17	28°35	3° 4	T 21
W22	8 29 10	8°31'31	21°46	23°R56	25° 5	20°11	6°27	11°37	12°57	26°49	14°31	2°32	1°14	28°41	3° 7	W22
T 23	8 33 7	9°32'14	5♉32	23°53	26° 8	20° 6	6°40	11°42	12°56	26°52	14°30	2°D31	1°11	28°48	3° 9	T 23
F 24	8 37 4	10°32'56	18°52	23°38	27°10	19°59	6°54	11°46	12°55	26°54	14°29	2°31	1° 7	28°55	3°11	F 24
S 25	8 41 0	11°33'37	1♊50	23°14	28°12	19°52	7° 8	11°51	12°54	26°56	14°28	2°33	1° 4	29° 2	3°14	S 25
S 26	8 44 57	12°34'15	14°29	22°39	29°13	19°44	7°22	11°56	12°53	26°58	14°27	2°34	1° 1	29° 8	3°16	S 26
M27	8 48 53	13°34'52	26°53	21°55	0♈14	19°36	7°35	12° 0	12°52	27° 1	14°25	2°R36	0°58	29°15	3°19	M27
T 28	8 52 50	14°35'27	9♋ 5	21° 4	1°15	19°26	7°49	12° 5	12°51	27° 3	14°24	2°35	0°55	29°22	3°22	T 28
W29	8 56 46	15°36'01	21° 9	20° 6	2°15	19°16	8° 3	12° 9	12°50	27° 5	14°23	2°34	0°52	29°28	3°24	W29
T 30	9 0 43	16°36'33	3♌ 7	19° 3	3°15	19° 5	8°17	12°13	12°50	27° 7	14°22	2°29	0°48	29°35	3°27	T 30
F 31	9 4 40	17♒37'03	15♌ 1	17♒56	4♈14	18♍54	8♓31	12♐17	12♊49	27♒ 9	14♋21	2♑23	0♑45	29♌42	3♈30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s26	22n10	0s50	22s25	1s55	11s48	1s 5	7n13	3n13	11s53	1s 6	20s30	1n31	22n36	0n 4	13s34	0s45	24n27	1n46	23s30	23s31	8n52	3n25	2n40
T 2	22 18	19 28	1 54	22 0	1 51	11 20	1 1	7 11	3 14	11 48	1 6	20 31	1 31	22 35	0 4	13 33	0 45	24 28	1 46	23 30	23 31	8 49	3 25	2 40
F 3	22 9	15 59	2 53	21 34	1 47	10 52	0 57	7 9	3 16	11 44	1 6	20 32	1 31	22 35	0 4	13 33	0 45	24 28	1 46	23 30	23 32	8 47	3 26	2 39
S 4	22 1	11 52	3 44	21 5	1 42	10 23	0 53	7 7	3 18	11 39	1 6	20 33	1 31	22 35	0 4	13 32	0 45	24 28	1 46	23 30	23 32	8 44	3 26	2 39
S 5	21 51	7 21	4 25	20 35	1 36	9 54	0 49	7 6	3 19	11 35	1 6	20 34	1 31	22 35	0 4	13 31	0 45	24 28	1 46	23 31	23 32	8 41	3 27	2 39
M 6	21 42	2 35	4 54	20 4	1 29	9 25	0 45	7 5	3 21	11 30	1 6	20 34	1 31	22 35	0 4	13 31	0 45	24 29	1 46	23 31	23 32	8 38	3 27	2 39
T 7	21 31	2s18	5 11	19 32	1 22	8 56	0 41	7 4	3 23	11 25	1 6	20 35	1 31	22 34	0 4	13 30	0 45	24 29	1 47	23 31	23 32	8 36	3 28	2 39
W 8	21 21	7 7	5 15	18 58	1 13	8 27	0 36	7 3	3 24	11 20	1 6	20 36	1 31	22 34	0 4	13 29	0 45	24 29	1 47	23 31	23 32	8 33	3 28	2 38
T 9	21 10	11 45	5 4	18 24	1 4	7 57	0 32	7 3	3 26	11 16	1 6	20 37	1 31	22 34	0 5	13 29	0 45	24 29	1 47	23 31	23 32	8 30	3 29	2 38
F 10	20 58	15 59	4 40	17 49	0 54	7 27	0 27	7 2	3 28	11 11	1 5	20 38	1 31	22 34	0 5	13 28	0 45	24 29	1 47	23 31	23 32	8 27	3 29	2 38
S 11	20 47	19 38	4 1	17 13	0 43	6 58	0 23	7 3	3 29	11 6	1 5	20 38	1 31	22 34	0 5	13 27	0 45	24 30	1 47	23 31	23 32	8 25	3 30	2 38
S 12	20 35	22 25	3 9	16 37	0 32	6 28	0 18	7 3	3 31	11 1	1 5	20 39	1 31	22 33	0 5	13 27	0 45	24 30	1 47	23 31	23 32	8 22	3 30	2 38
M13	20 22	24 3	2 5	16 1	0 19	5 58	0 13	7 4	3 33	10 56	1 5	20 40	1 31	22 33	0 5	13 26	0 45	24 30	1 47	23 31	23 32	8 19	3 31	2 37
T 14	20 9	24 15	0 51	15 25	0 6	5 27	0 8	7 5	3 34	10 51	1 5	20 40	1 31	22 33	0 5	13 25	0 45	24 30	1 47	23 31	23 32	8 17	3 32	2 37
W15	19 56	22 51	0n27	14 50	0n 8	4 57	0 3	7 6	3 36	10 47	1 5	20 41	1 31	22 33	0 5	13 25	0 45	24 30	1 47	23 31	23 32	8 14	3 32	2 37
T 16	19 42	19 52	1 46	14 17	0 23	4 27	0n 3	7 8	3 38	10 42	1 5	20 42	1 31	22 33	0 5	13 24	0 45	24 31	1 47	23 31	23 32	8 11	3 33	2 37
F 17	19 28	15 31	2 59	13 44	0 39	3 57	0 8	7 9	3 39	10 37	1 5	20 43	1 31	22 32	0 5	13 23	0 45	24 31	1 47	23 31	23 32	8 8	3 34	2 37
S 18	19 14	10 8	4 0	13 14	0 55	3 26	0 13	7 12	3 41	10 32	1 5	20 43	1 31	22 32	0 5	13 22	0 45	24 31	1 47	23 31	23 32	8 6	3 34	2 36
S 19	18 59	4 11	4 44	12 46	1 12	2 56	0 19	7 14	3 43	10 27	1 5	20 44	1 32	22 32	0 5	13 22	0 45	24 31	1 47	23 31	23 32	8 3	3 35	2 36
M20	18 44	1n55	5 7	12 21	1 29	2 26	0 24	7 17	3 44	10 21	1 5	20 44	1 32	22 32	0 5	13 21	0 45	24 31	1 47	23 31	23 32	8 0	3 36	2 36
T 21	18 28	7 47	5 11	11 59	1 46	1 55	0 30	7 20	3 46	10 16	1 5	20 45	1 32	22 32	0 5	13 20	0 45	24 32	1 47	23 31	23 32	7 57	3 37	2 36
W22	18 13	13 4	4 55	11 41	2 2	1 25	0 36	7 23	3 47	10 11	1 5	20 46	1 32	22 32	0 5	13 19	0 45	24 32	1 47	23 31	23 32	7 55	3 37	2 36
T 23	17 57	17 32	4 22	11 26	2 19	0 55	0 42	7 26	3 49	10 6	1 5	20 46	1 32	22 32	0 5	13 19	0 45	24 32	1 47	23 31	23 32	7 52	3 38	2 36
F 24	17 40	20 58	3 36	11 16	2 35	0 24	0 48	7 30	3 50	10 1	1 5	20 47	1 32	22 31	0 5	13 18	0 45	24 32	1 47	23 31	23 32	7 49	3 39	2 35
S 25	17 23	23 13	2 40	11 10	2 50	0n 6	0 54	7 34	3 52	9 56	1 5	20 47	1 32	22 31	0 5	13 17	0 45	24 32	1 48	23 31	23 32	7 46	3 40	2 35
S 26	17 6	24 15	1 37	11 8	3 3	0 36	1 0	7 39	3 53	9 51	1 5	20 48	1 32	22 31	0 5	13 16	0 45	24 32	1 48	23 31	23 32	7 44	3 41	2 35
M27	16 49	24 1	0 31	11 11	3 15	1 6	1 6	7 44	3 54	9 45	1 5	20 48	1 32	22 31	0 5	13 16	0 45	24 33	1 48	23 31	23 32	7 41	3 41	2 35
T 28	16 32	22 39	0s35	11 17	3 26	1 36	1 12	7 48	3 56	9 40	1 5	20 49	1 32	22 31	0 5	13 15	0 45	24 33	1 48	23 31	23 32	7 38	3 42	2 35
W29	16 14	20 15	1 39	11 28	3 34	2 6	1 19	7 54	3 57	9 35	1 4	20 49	1 32	22 31	0 5	13 14	0 45	24 33	1 48	23 31	23 32	7 35	3 43	2 35
T 30	15 56	16 59	2 38	11 41	3 40	2 36	1 25	7 59	3 58	9 30	1 4	20 50	1 32	22 31	0 5	13 13	0 45	24 33	1 48	23 31	23 33	7 33	3 44	2 34
F 31	15s37	13n 4	3s29	11s58	3n44	3n 5	1n31	8n 5	3n59	9s24	1s 4	20s50	1n32	22n31	0n 5	13s13	0s45	24n33	1n48	23s31	23s33	7n30	3n45	2n34

Julian Day Number = 2156435.5, Delta T = 13m39s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'26, Lahiri = 12°35'27 Julian Calendar 1 Jan. 1192 == Greg. Calendar 8 Jan. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

FEBRUARY 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 8 36	18♒37'31	26♌53	16°R49	5♈13	18°R41	8♓45	12♐22	12°R48	27♒12	14°R20	2°R15	0♉42	29♌48	3♈32	S 1
S 2	9 12 33	19°37'58	8♍45	15♒42	6°11	18♍28	8°59	12°26	12♊48	27°14	14♋19	2♉ 6	0°39	29°55	3°35	S 2
M 3	9 16 29	20°38'23	20°37	14°36	7° 9	18°14	9°14	12°30	12°47	27°16	14°18	1°56	0°36	0♍ 2	3°38	M 3
T 4	9 20 26	21°38'47	2♎33	13°34	8° 6	17°59	9°28	12°34	12°47	27°19	14°17	1°47	0°33	0° 9	3°41	T 4
W 5	9 24 22	22°39'09	14°34	12°37	9° 3	17°44	9°42	12°37	12°46	27°21	14°16	1°39	0°29	0°15	3°44	W 5
T 6	9 28 19	23°39'30	26°43	11°46	9°59	17°28	9°56	12°41	12°46	27°23	14°15	1°33	0°26	0°22	3°47	T 6
F 7	9 32 15	24°39'49	9♏ 4	11° 0	10°55	17°11	10°10	12°45	12°46	27°25	14°14	1°29	0°23	0°29	3°50	F 7
S 8	9 36 12	25°40'06	21°41	10°22	11°50	16°53	10°25	12°48	12°45	27°28	14°13	1°D28	0°20	0°35	3°53	S 8
S 9	9 40 8	26°40'23	4♐37	9°50	12°44	16°35	10°39	12°52	12°45	27°30	14°12	1°28	0°17	0°42	3°56	S 9
M10	9 44 5	27°40'37	17°58	9°26	13°38	16°17	10°53	12°55	12°45	27°32	14°11	1°29	0°13	0°49	3°59	M10
T 11	9 48 2	28°40'51	1♑45	9° 9	14°31	15°57	11° 8	12°59	12°45	27°34	14°10	1°R29	0°10	0°55	4° 2	T 11
W12	9 51 58	29°41'02	16° 1	8°59	15°23	15°38	11°22	13° 2	12°45	27°37	14° 9	1°29	0° 7	1° 2	4° 5	W12
T 13	9 55 55	0♓41'12	0♒43	8°D55	16°15	15°17	11°36	13° 5	12°D45	27°39	14° 8	1°25	0° 4	1° 9	4° 8	T 13
F 14	9 59 51	1°41'21	15°47	8°58	17° 6	14°56	11°51	13° 8	12°45	27°41	14° 8	1°20	0° 1	1°16	4°11	F 14
S 15	10 3 48	2°41'27	1♓ 4	9° 8	17°56	14°35	12° 5	13°11	12°45	27°44	14° 7	1°12	29♐58	1°22	4°14	S 15
S 16	10 7 44	3°41'31	16°24	9°23	18°45	14°13	12°20	13°14	12°45	27°46	14° 6	1° 2	29°54	1°29	4°18	S 16
M17	10 11 41	4°41'34	1♈34	9°43	19°34	13°51	12°34	13°17	12°45	27°48	14° 5	0°52	29°51	1°36	4°21	M17
T 18	10 15 37	5°41'34	16°26	10° 9	20°21	13°29	12°48	13°19	12°45	27°50	14° 4	0°44	29°48	1°42	4°24	T 18
W19	10 19 34	6°41'32	0♉51	10°39	21° 8	13° 6	13° 3	13°22	12°46	27°53	14° 4	0°37	29°45	1°49	4°27	W19
T 20	10 23 31	7°41'28	14°47	11°14	21°53	12°43	13°17	13°24	12°46	27°55	14° 3	0°32	29°42	1°56	4°31	T 20
F 21	10 27 27	8°41'22	28°13	11°53	22°38	12°20	13°32	13°27	12°46	27°57	14° 2	0°30	29°39	2° 3	4°34	F 21
S 22	10 31 24	9°41'14	11♊13	12°37	23°22	11°57	13°46	13°29	12°47	27°59	14° 2	0°D29	29°35	2° 9	4°37	S 22
S 23	10 35 20	10°41'03	23°49	13°23	24° 5	11°33	14° 1	13°31	12°47	28° 2	14° 1	0°R30	29°32	2°16	4°41	S 23
M24	10 39 17	11°40'50	6♋ 8	14°13	24°46	11°10	14°15	13°34	12°48	28° 4	14° 0	0°30	29°29	2°23	4°44	M24
T 25	10 43 13	12°40'35	18°13	15° 7	25°27	10°46	14°30	13°36	12°49	28° 6	14° 0	0°28	29°26	2°29	4°48	T 25
W26	10 47 10	13°40'17	0♌10	16° 3	26° 6	10°22	14°44	13°37	12°49	28° 8	13°59	0°24	29°23	2°36	4°51	W26
T 27	10 51 6	14°39'57	12° 2	17° 2	26°44	9°59	14°59	13°39	12°50	28°11	13°59	0°18	29°19	2°43	4°54	T 27
F 28	10 55 3	15°39'35	23°53	18° 4	27°20	9°36	15°13	13°41	12°51	28°13	13°58	0° 8	29°16	2°49	4°58	F 28
S 29	10 59 0	16♓39'11	5♍44	19♒ 8	27♈56	9♍12	15♓28	13♐43	12♊52	28♒15	13♋58	29♐56	29♐13	2♍56	5♈ 1	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s19	8n40	4s11	12s16	3n46	3n35	1n38	8n11	4n 1	9s19	1s 4	20s51	1n32	22n31	0n 5	13s12	0s45	24n33	1n48	23s31	23s33	7n27	3n46	2n34
S 2	15 0	3 58	4 42	12 37	3 45	4 4	1 45	8 17	4 2	9 14	1 4	20 51	1 33	22 31	0 5	13 11	0 45	24 34	1 48	23 32	23 33	7 24	3 47	2 34
M 3	14 41	0s52	5 1	12 59	3 42	4 33	1 51	8 24	4 3	9 8	1 4	20 52	1 33	22 30	0 5	13 10	0 45	24 34	1 48	23 32	23 33	7 22	3 48	2 34
T 4	14 21	5 42	5 6	13 21	3 37	5 2	1 58	8 30	4 4	9 3	1 4	20 52	1 33	22 30	0 5	13 9	0 45	24 34	1 48	23 32	23 33	7 19	3 49	2 34
W 5	14 1	10 21	4 59	13 43	3 31	5 31	2 5	8 37	4 5	8 57	1 4	20 53	1 33	22 30	0 5	13 9	0 45	24 34	1 48	23 32	23 33	7 16	3 50	2 33
T 6	13 42	14 39	4 38	14 6	3 22	6 0	2 12	8 44	4 5	8 52	1 4	20 53	1 33	22 30	0 5	13 8	0 45	24 34	1 48	23 32	23 33	7 13	3 51	2 33
F 7	13 21	18 25	4 3	14 27	3 13	6 28	2 19	8 52	4 6	8 47	1 4	20 53	1 33	22 30	0 5	13 7	0 45	24 34	1 48	23 32	23 33	7 10	3 52	2 33
S 8	13 1	21 26	3 17	14 48	3 2	6 56	2 26	8 59	4 7	8 41	1 4	20 54	1 33	22 30	0 5	13 6	0 45	24 34	1 48	23 32	23 33	7 8	3 53	2 33
S 9	12 41	23 26	2 19	15 8	2 50	7 24	2 33	9 7	4 8	8 36	1 4	20 54	1 33	22 30	0 5	13 6	0 45	24 35	1 48	23 32	23 33	7 5	3 54	2 33
M10	12 20	24 11	1 12	15 26	2 38	7 52	2 40	9 15	4 8	8 30	1 4	20 54	1 33	22 30	0 5	13 5	0 45	24 35	1 48	23 32	23 33	7 2	3 55	2 33
T 11	11 59	23 31	0n 1	15 43	2 25	8 19	2 47	9 22	4 9	8 25	1 4	20 55	1 33	22 30	0 5	13 4	0 45	24 35	1 48	23 32	23 33	6 59	3 56	2 33
W12	11 38	21 18	1 17	15 59	2 11	8 46	2 55	9 31	4 9	8 19	1 4	20 55	1 33	22 30	0 5	13 3	0 45	24 35	1 48	23 32	23 33	6 57	3 58	2 32
T 13	11 17	17 39	2 30	16 13	1 58	9 13	3 2	9 39	4 9	8 14	1 4	20 55	1 33	22 30	0 5	13 2	0 45	24 35	1 48	23 32	23 33	6 54	3 59	2 32
F 14	10 55	12 47	3 33	16 25	1 44	9 39	3 9	9 47	4 9	8 8	1 4	20 56	1 34	22 30	0 5	13 2	0 45	24 35	1 48	23 32	23 33	6 51	4 0	2 32
S 15	10 34	7 3	4 23	16 35	1 31	10 5	3 17	9 56	4 9	8 3	1 4	20 56	1 34	22 30	0 5	13 1	0 45	24 35	1 48	23 32	23 33	6 48	4 1	2 32
S 16	10 12	0 53	4 54	16 44	1 17	10 31	3 24	10 4	4 10	7 57	1 4	20 56	1 34	22 30	0 5	13 0	0 45	24 35	1 48	23 32	23 33	6 46	4 2	2 32
M17	9 50	5n16	5 3	16 52	1 4	10 57	3 31	10 13	4 9	7 52	1 4	20 56	1 34	22 30	0 5	12 59	0 45	24 36	1 48	23 32	23 33	6 43	4 3	2 32
T 18	9 28	10 59	4 52	16 57	0 51	11 22	3 39	10 21	4 9	7 46	1 4	20 57	1 34	22 30	0 5	12 59	0 45	24 36	1 48	23 33	23 33	6 40	4 4	2 32
W19	9 6	15 55	4 23	17 1	0 39	11 46	3 46	10 30	4 9	7 41	1 4	20 57	1 34	22 30	0 5	12 58	0 45	24 36	1 48	23 33	23 33	6 37	4 6	2 32
T 20	8 43	19 49	3 38	17 3	0 26	12 10	3 54	10 38	4 9	7 35	1 4	20 57	1 34	22 30	0 5	12 57	0 45	24 36	1 48	23 33	23 33	6 35	4 7	2 31
F 21	8 21	22 30	2 43	17 4	0 14	12 34	4 1	10 47	4 8	7 29	1 4	20 57	1 34	22 30	0 5	12 56	0 45	24 36	1 49	23 33	23 33	6 32	4 8	2 31
S 22	7 58	23 53	1 41	17 3	0 3	12 58	4 9	10 55	4 7	7 24	1 4	20 58	1 34	22 31	0 5	12 55	0 45	24 36	1 49	23 33	23 33	6 29	4 9	2 31
S 23	7 36	23 59	0 35	17 1	0s 8	13 21	4 16	11 4	4 7	7 18	1 4	20 58	1 34	22 31	0 5	12 55	0 45	24 36	1 49	23 33	23 33	6 26	4 11	2 31
M24	7 13	22 54	0s30	16 56	0 19	13 43	4 24	11 12	4 6	7 13	1 4	20 58	1 34	22 31	0 5	12 54	0 45	24 36	1 49	23 33	23 33	6 24	4 12	2 31
T 25	6 50	20 46	1 33	16 51	0 30	14 5	4 31	11 20	4 5	7 7	1 4	20 58	1 35	22 31	0 5	12 53	0 45	24 36	1 49	23 33	23 33	6 21	4 13	2 31
W26	6 27	17 45	2 30	16 43	0 40	14 26	4 39	11 28	4 4	7 1	1 4	20 58	1 35	22 31	0 5	12 52	0 45	24 36	1 49	23 33	23 33	6 18	4 14	2 31
T 27	6 4	14 2	3 21	16 35	0 49	14 47	4 46	11 36	4 3	6 56	1 4	20 58	1 35	22 31	0 5	12 52	0 45	24 36	1 49	23 33	23 33	6 15	4 16	2 31
F 28	5 41	9 48	4 3	16 24	0 58	15 8	4 53	11 44	4 2	6 50	1 4	20 58	1 35	22 31	0 5	12 51	0 45	24 37	1 49	23 33	23 33	6 13	4 17	2 30
S 29	5s17	5n12	4s34	16s12	1s 7	15n27	5n 1	11n52	4n 0	6s45	1s 4	20s59	1n35	22n31	0n 5	12s50	0s45	24n37	1n49	23s33	23s33	6n10	4n18	2n30

Julian Day Number = 2156466.5, Delta T = 13m38s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'30, Lahiri = 12°35'31 Julian Calendar 1 Feb. 1192 == Greg. Calendar 8 Feb. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

MARCH 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 56	17♓38'45	17♍37	20♒15	28♈30	8°R49	15♓42	13♐44	12♊52	28♒17	13°R57	29°R43	29♐10	3♍ 3	5♈ 5	S 1
M 2	11 6 53	18°38'16	29°34	21°24	29° 2	8♍27	15°57	13°46	12°53	28°19	13♋57	29♐29	29° 7	3°10	5° 8	M 2
T 3	11 10 49	19°37'46	11♎37	22°35	29°33	8° 4	16°11	13°47	12°54	28°21	13°56	29°15	29° 4	3°16	5°12	T 3
W 4	11 14 46	20°37'13	23°46	23°48	0♉ 3	7°42	16°26	13°48	12°55	28°24	13°56	29° 3	29° 0	3°23	5°15	W 4
T 5	11 18 42	21°36'39	6♏ 2	25° 3	0°30	7°20	16°40	13°50	12°57	28°26	13°55	28°54	28°57	3°30	5°19	T 5
F 6	11 22 39	22°36'03	18°29	26°20	0°57	6°58	16°55	13°51	12°58	28°28	13°55	28°47	28°54	3°36	5°22	F 6
S 7	11 26 35	23°35'25	1♐ 8	27°39	1°21	6°37	17° 9	13°52	12°59	28°30	13°55	28°43	28°51	3°43	5°26	S 7
S 8	11 30 32	24°34'45	14° 4	29° 0	1°44	6°17	17°24	13°52	13° 0	28°32	13°54	28°42	28°48	3°50	5°30	S 8
M 9	11 34 29	25°34'03	27°19	0♓22	2° 5	5°57	17°38	13°53	13° 1	28°34	13°54	28°42	28°44	3°57	5°33	M 9
T 10	11 38 25	26°33'20	10♑57	1°46	2°23	5°37	17°52	13°54	13° 3	28°36	13°54	28°41	28°41	4° 3	5°37	T 10
W11	11 42 22	27°32'35	25° 0	3°12	2°40	5°18	18° 7	13°54	13° 4	28°38	13°54	28°40	28°38	4°10	5°40	W11
T 12	11 46 18	28°31'48	9♒27	4°39	2°55	5° 0	18°21	13°55	13° 6	28°40	13°53	28°36	28°35	4°17	5°44	T 12
F 13	11 50 15	29°30'59	24°16	6° 8	3° 8	4°42	18°36	13°55	13° 7	28°42	13°53	28°30	28°32	4°23	5°47	F 13
S 14	11 54 11	0♈30'08	9♓22	7°38	3°19	4°25	18°50	13°56	13° 9	28°44	13°53	28°21	28°29	4°30	5°51	S 14
S 15	11 58 8	1°29'16	24°34	9°10	3°28	4° 8	19° 4	13°56	13°10	28°46	13°53	28°10	28°25	4°37	5°55	S 15
M16	12 2 4	2°28'21	9♈43	10°43	3°34	3°52	19°19	13°R56	13°12	28°48	13°53	27°58	28°22	4°44	5°58	M16
T 17	12 6 1	3°27'24	24°37	12°18	3°38	3°37	19°33	13°56	13°14	28°50	13°53	27°47	28°19	4°50	6° 2	T 17
W18	12 9 57	4°26'25	9♉ 8	13°55	3°R39	3°23	19°47	13°56	13°15	28°52	13°53	27°39	28°16	4°57	6° 6	W18
T 19	12 13 54	5°25'24	23°11	15°33	3°39	3° 9	20° 1	13°55	13°17	28°54	13°53	27°33	28°13	5° 4	6° 9	T 19
F 20	12 17 51	6°24'20	6♊45	17°12	3°35	2°56	20°16	13°55	13°19	28°56	13°D52	27°29	28°10	5°10	6°13	F 20
S 21	12 21 47	7°23'14	19°50	18°53	3°30	2°44	20°30	13°55	13°21	28°58	13°53	27°28	28° 6	5°17	6°16	S 21
S 22	12 25 44	8°22'06	2♋31	20°35	3°22	2°33	20°44	13°54	13°23	29° 0	13°53	27°28	28° 3	5°24	6°20	S 22
M23	12 29 40	9°20'56	14°51	22°19	3°11	2°22	20°58	13°54	13°25	29° 2	13°53	27°28	28° 0	5°31	6°24	M23
T 24	12 33 37	10°19'43	26°57	24° 5	2°58	2°13	21°12	13°53	13°27	29° 4	13°53	27°27	27°57	5°37	6°27	T 24
W25	12 37 33	11°18'28	8♌53	25°52	2°42	2° 4	21°26	13°52	13°29	29° 5	13°53	27°24	27°54	5°44	6°31	W25
T 26	12 41 30	12°17'10	20°44	27°40	2°24	1°56	21°40	13°51	13°31	29° 7	13°53	27°18	27°50	5°51	6°35	T 26
F 27	12 45 26	13°15'51	2♍34	29°30	2° 4	1°48	21°54	13°50	13°33	29° 9	13°53	27° 9	27°47	5°57	6°38	F 27
S 28	12 49 23	14°14'29	14°26	1♈22	1°41	1°42	22° 8	13°49	13°35	29°11	13°53	26°59	27°44	6° 4	6°42	S 28
S 29	12 53 20	15°13'05	26°24	3°15	1°16	1°36	22°22	13°48	13°37	29°12	13°53	26°46	27°41	6°11	6°45	S 29
M30	12 57 16	16°11'39	8♎28	5°10	0°49	1°31	22°36	13°47	13°39	29°14	13°54	26°33	27°38	6°18	6°49	M30
T 31	13 1 13	17♈10'11	20♎40	7♈ 6	0♉20	1♍26	22♓50	13♐45	13♊42	29♒16	13♋54	26♐21	27♐35	6♍24	6♈53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s54	0n25	4s53	15s59	1s15	15n47	5n 8	11n59	3n59	6s39	1s 4	20s59	1n35	22n31	0n 5	12s49	0s45	24n37	1n49	23s33	23s32	6n 7	4n19	2n30
M 2	4 31	4s25	5 0	15 44	1 23	16 5	5 15	12 6	3 58	6 33	1 5	20 59	1 35	22 31	0 5	12 49	0 45	24 37	1 49	23 33	23 32	6 4	4 21	2 30
T 3	4 7	9 6	4 53	15 28	1 30	16 23	5 23	12 14	3 56	6 28	1 5	20 59	1 35	22 32	0 5	12 48	0 45	24 37	1 49	23 33	23 32	6 2	4 22	2 30
W 4	3 44	13 29	4 33	15 10	1 37	16 40	5 30	12 20	3 54	6 22	1 5	20 59	1 35	22 32	0 5	12 47	0 45	24 37	1 49	23 32	23 32	5 59	4 23	2 30
T 5	3 20	17 22	4 0	14 51	1 43	16 57	5 37	12 27	3 53	6 17	1 5	20 59	1 35	22 32	0 5	12 47	0 45	24 37	1 49	23 32	23 32	5 56	4 25	2 30
F 6	2 57	20 32	3 15	14 30	1 49	17 12	5 44	12 33	3 51	6 11	1 5	20 59	1 36	22 32	0 5	12 46	0 45	24 37	1 49	23 32	23 32	5 53	4 26	2 30
S 7	2 33	22 46	2 20	14 8	1 55	17 27	5 50	12 40	3 49	6 5	1 5	20 59	1 36	22 32	0 5	12 45	0 45	24 37	1 49	23 32	23 32	5 51	4 27	2 30
S 8	2 10	23 51	1 17	13 45	2 0	17 42	5 57	12 46	3 47	6 0	1 5	20 59	1 36	22 32	0 5	12 44	0 45	24 37	1 49	23 32	23 32	5 48	4 29	2 30
M 9	1 46	23 38	0 7	13 20	2 4	17 55	6 3	12 51	3 45	5 54	1 5	20 59	1 36	22 32	0 5	12 44	0 45	24 37	1 49	23 32	23 32	5 45	4 30	2 30
T 10	1 23	22 1	1n 4	12 53	2 8	18 8	6 10	12 57	3 43	5 49	1 5	20 59	1 36	22 33	0 5	12 43	0 45	24 37	1 49	23 32	23 32	5 42	4 31	2 29
W11	0 59	19 2	2 14	12 26	2 12	18 19	6 16	13 2	3 41	5 43	1 5	20 59	1 36	22 33	0 5	12 42	0 45	24 37	1 49	23 32	23 32	5 40	4 33	2 29
T 12	0 35	14 48	3 17	11 57	2 15	18 30	6 22	13 6	3 39	5 37	1 5	20 59	1 36	22 33	0 5	12 42	0 45	24 37	1 49	23 32	23 32	5 37	4 34	2 29
F 13	0 12	9 34	4 9	11 26	2 18	18 40	6 27	13 11	3 36	5 32	1 5	20 59	1 36	22 33	0 5	12 41	0 45	24 37	1 49	23 32	23 32	5 34	4 35	2 29
S 14	0n12	3 42	4 44	10 54	2 20	18 49	6 33	13 15	3 34	5 26	1 5	20 59	1 36	22 33	0 5	12 40	0 45	24 37	1 49	23 32	23 32	5 31	4 37	2 29
S 15	0 36	2n25	5 0	10 21	2 22	18 57	6 38	13 19	3 32	5 21	1 5	20 59	1 36	22 34	0 5	12 39	0 45	24 38	1 49	23 32	23 32	5 28	4 38	2 29
M16	0 59	8 22	4 54	9 47	2 23	19 3	6 43	13 23	3 29	5 15	1 5	20 59	1 36	22 34	0 5	12 39	0 45	24 38	1 49	23 32	23 32	5 26	4 40	2 29
T 17	1 23	13 44	4 28	9 11	2 24	19 9	6 47	13 26	3 27	5 9	1 5	20 58	1 37	22 34	0 5	12 38	0 45	24 38	1 49	23 32	23 32	5 23	4 41	2 29
W18	1 46	18 10	3 46	8 34	2 24	19 13	6 51	13 29	3 24	5 4	1 5	20 58	1 37	22 34	0 5	12 37	0 45	24 38	1 49	23 31	23 32	5 20	4 42	2 29
T 19	2 10	21 24	2 51	7 56	2 24	19 17	6 55	13 32	3 22	4 58	1 5	20 58	1 37	22 34	0 5	12 37	0 45	24 38	1 49	23 31	23 32	5 17	4 44	2 29
F 20	2 33	23 18	1 47	7 17	2 23	19 19	6 58	13 34	3 19	4 53	1 6	20 58	1 37	22 35	0 5	12 36	0 45	24 38	1 49	23 31	23 32	5 15	4 45	2 29
S 21	2 57	23 49	0 40	6 36	2 22	19 19	7 1	13 36	3 17	4 47	1 6	20 58	1 37	22 35	0 5	12 36	0 45	24 38	1 49	23 31	23 32	5 12	4 47	2 29
S 22	3 20	23 4	0s27	5 54	2 20	19 19	7 4	13 38	3 14	4 42	1 6	20 58	1 37	22 35	0 5	12 35	0 45	24 38	1 49	23 31	23 32	5 9	4 48	2 29
M23	3 43	21 13	1 31	5 10	2 18	19 17	7 5	13 39	3 12	4 36	1 6	20 58	1 37	22 35	0 5	12 34	0 45	24 38	1 49	23 31	23 32	5 6	4 49	2 29
T 24	4 6	18 25	2 29	4 26	2 16	19 13	7 7	13 40	3 9	4 31	1 6	20 57	1 37	22 36	0 5	12 34	0 45	24 38	1 49	23 31	23 32	5 4	4 51	2 29
W25	4 30	14 53	3 21	3 40	2 12	19 8	7 7	13 41	3 6	4 25	1 6	20 57	1 37	22 36	0 5	12 33	0 45	24 38	1 49	23 31	23 32	5 1	4 52	2 28
T 26	4 53	10 49	4 3	2 54	2 9	19 2	7 7	13 41	3 4	4 20	1 6	20 57	1 37	22 36	0 5	12 32	0 46	24 38	1 49	23 31	23 32	4 58	4 53	2 28
F 27	5 16	6 20	4 34	2 6	2 4	18 54	7 7	13 42	3 1	4 14	1 6	20 57	1 37	22 36	0 5	12 32	0 46	24 38	1 49	23 31	23 32	4 55	4 55	2 28
S 28	5 38	1 38	4 54	1 17	2 0	18 45	7 6	13 42	2 58	4 9	1 6	20 57	1 38	22 37	0 5	12 31	0 46	24 38	1 49	23 31	23 31	4 53	4 56	2 28
S 29	6 1	3s10	5 1	0 27	1 54	18 34	7 4	13 41	2 56	4 3	1 6	20 56	1 38	22 37	0 5	12 31	0 46	24 38	1 49	23 30	23 31	4 50	4 58	2 28
M30	6 24	7 53	4 55	0n24	1 48	18 22	7 1	13 40	2 53	3 58	1 6	20 56	1 38	22 37	0 5	12 30	0 46	24 38	1 49	23 30	23 31	4 47	4 59	2 28
T 31	6n46	12s21	4s35	1n16	1s42	18n 8	6n57	13n40	2n50	3s52	1s 6	20s56	1n38	22n38	0n 5	12s30	0s46	24n38	1n49	23s30	23s31	4n44	5n 0	2n28

Julian Day Number = 2156495.5, Delta T = 13m38s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'34, Lahiri = 12°35'35 Julian Calendar 1 March 1192 == Greg. Calendar 8 March 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

APRIL 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 5 9	18♈ 8'41	3♏ 1	9♈ 4	29°R50	1°R23	23♓ 4	13°R44	13♊44	29♒17	13♋54	26°R10	27♐31	6♍31	6♈56	W 1
T 2	13 9 6	19° 7'09	15°32	11° 3	29♈17	1♍20	23°17	13♐42	13°46	29°19	13°55	26♐ 1	27°28	6°38	7° 0	T 2
F 3	13 13 2	20° 5'36	28°12	13° 4	28°43	1°18	23°31	13°40	13°49	29°21	13°55	25°56	27°25	6°44	7° 3	F 3
S 4	13 16 59	21° 4'00	11♐ 5	15° 6	28° 8	1°17	23°45	13°39	13°51	29°22	13°55	25°52	27°22	6°51	7° 7	S 4
S 5	13 20 55	22° 2'24	24°10	17°10	27°32	1°D17	23°58	13°37	13°54	29°24	13°56	25°D51	27°19	6°58	7°10	S 5
M 6	13 24 52	23° 0'45	7♑30	19°15	26°55	1°17	24°12	13°35	13°56	29°25	13°56	25°52	27°16	7° 5	7°14	M 6
T 7	13 28 49	23°59'05	21° 7	21°21	26°18	1°18	24°25	13°33	13°59	29°27	13°56	25°R52	27°12	7°11	7°17	T 7
W 8	13 32 45	24°57'23	5♒ 2	23°28	25°40	1°20	24°39	13°31	14° 1	29°28	13°57	25°52	27° 9	7°18	7°21	W 8
T 9	13 36 42	25°55'40	19°16	25°36	25° 2	1°23	24°52	13°29	14° 4	29°30	13°57	25°50	27° 6	7°25	7°24	T 9
F 10	13 40 38	26°53'55	3♓47	27°45	24°24	1°26	25° 6	13°26	14° 7	29°31	13°58	25°45	27° 3	7°31	7°28	F 10
S 11	13 44 35	27°52'09	18°31	29°54	23°47	1°30	25°19	13°24	14° 9	29°33	13°58	25°39	27° 0	7°38	7°31	S 11
S 12	13 48 31	28°50'21	3♈22	2♉ 3	23°10	1°34	25°32	13°22	14°12	29°34	13°59	25°31	26°56	7°45	7°35	S 12
M13	13 52 28	29°48'32	18°12	4°13	22°34	1°40	25°46	13°19	14°15	29°35	14° 0	25°22	26°53	7°52	7°38	M13
T 14	13 56 24	0♉46'40	2♉51	6°22	22° 0	1°46	25°59	13°17	14°18	29°37	14° 0	25°14	26°50	7°58	7°42	T 14
W15	14 0 21	1°44'48	17°13	8°30	21°26	1°52	26°12	13°14	14°20	29°38	14° 1	25° 7	26°47	8° 5	7°45	W15
T 16	14 4 18	2°42'53	1♊12	10°38	20°55	2° 0	26°25	13°11	14°23	29°39	14° 1	25° 2	26°44	8°12	7°48	T 16
F 17	14 8 14	3°40'57	14°46	12°44	20°25	2° 8	26°38	13° 8	14°26	29°41	14° 2	25° 0	26°41	8°18	7°52	F 17
S 18	14 12 11	4°38'58	27°54	14°49	19°56	2°16	26°51	13° 5	14°29	29°42	14° 3	24°D59	26°37	8°25	7°55	S 18
S 19	14 16 7	5°36'58	10♋38	16°52	19°30	2°25	27° 4	13° 2	14°32	29°43	14° 3	25° 0	26°34	8°32	7°58	S 19
M20	14 20 4	6°34'56	23° 2	18°54	19° 6	2°35	27°16	12°59	14°35	29°44	14° 4	25° 2	26°31	8°39	8° 2	M20
T 21	14 24 0	7°32'52	5♌11	20°53	18°43	2°46	27°29	12°56	14°38	29°45	14° 5	25°R 2	26°28	8°45	8° 5	T 21
W22	14 27 57	8°30'46	17° 9	22°49	18°23	2°57	27°42	12°53	14°41	29°46	14° 6	25° 2	26°25	8°52	8° 8	W22
T 23	14 31 53	9°28'38	29° 2	24°43	18° 6	3° 8	27°54	12°50	14°44	29°47	14° 7	25° 0	26°21	8°59	8°11	T 23
F 24	14 35 50	10°26'29	10♍53	26°34	17°51	3°21	28° 7	12°46	14°47	29°48	14° 7	24°56	26°18	9° 5	8°15	F 24
S 25	14 39 47	11°24'18	22°49	28°22	17°38	3°33	28°19	12°43	14°50	29°49	14° 8	24°50	26°15	9°12	8°18	S 25
S 26	14 43 43	12°22'05	4♎51	0♊ 7	17°28	3°47	28°32	12°40	14°53	29°50	14° 9	24°43	26°12	9°19	8°21	S 26
M27	14 47 40	13°19'50	17° 2	1°49	17°20	4° 0	28°44	12°36	14°57	29°51	14°10	24°36	26° 9	9°26	8°24	M27
T 28	14 51 36	14°17'34	29°25	3°28	17°14	4°15	28°56	12°32	15° 0	29°52	14°11	24°28	26° 6	9°32	8°27	T 28
W29	14 55 33	15°15'17	12♏ 0	5° 4	17°11	4°29	29° 8	12°29	15° 3	29°53	14°12	24°22	26° 2	9°39	8°30	W29
T 30	14 59 29	16♉12'58	24♏47	6♊36	17°D10	4♍45	29♓20	12♐25	15♊ 6	29♒54	14♋13	24♐17	25♐59	9♍46	8♈33	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 9	16s21	4s 2	2n 9	1s35	17n53	6n53	13n38	2n48	3s47	1s 7	20s56	1n38	22n38	0n 5	12s29	0s46	24n38	1n49	23s29	23s31	4n42	5n 2	2n28
T 2	7 31	19 42	3 17	3 3	1 28	17 37	6 48	13 37	2 45	3 42	1 7	20 55	1 38	22 38	0 5	12 28	0 46	24 38	1 49	23 29	23 31	4 39	5 3	2 28
F 3	7 53	22 9	2 21	3 57	1 20	17 19	6 42	13 35	2 42	3 36	1 7	20 55	1 38	22 38	0 5	12 28	0 46	24 38	1 49	23 29	23 31	4 36	5 5	2 28
S 4	8 15	23 29	1 18	4 52	1 12	17 0	6 36	13 33	2 40	3 31	1 7	20 55	1 38	22 39	0 5	12 27	0 46	24 38	1 49	23 29	23 31	4 33	5 6	2 28
S 5	8 37	23 34	0 9	5 48	1 3	16 40	6 28	13 31	2 37	3 26	1 7	20 55	1 38	22 39	0 5	12 27	0 46	24 38	1 49	23 29	23 31	4 31	5 7	2 28
M 6	8 59	22 18	1n 2	6 44	0 54	16 19	6 20	13 28	2 35	3 20	1 7	20 54	1 38	22 39	0 5	12 26	0 46	24 38	1 50	23 29	23 31	4 28	5 9	2 28
T 7	9 21	19 44	2 11	7 40	0 45	15 57	6 11	13 25	2 32	3 15	1 7	20 54	1 38	22 40	0 5	12 26	0 46	24 38	1 50	23 29	23 31	4 25	5 10	2 28
W 8	9 42	15 58	3 13	8 37	0 35	15 34	6 1	13 22	2 29	3 10	1 7	20 54	1 38	22 40	0 5	12 25	0 46	24 38	1 50	23 29	23 31	4 22	5 11	2 28
T 9	10 4	11 13	4 5	9 33	0 25	15 10	5 51	13 19	2 27	3 5	1 7	20 53	1 38	22 40	0 5	12 25	0 46	24 38	1 50	23 29	23 31	4 20	5 13	2 28
F 10	10 25	5 46	4 43	10 29	0 15	14 46	5 40	13 15	2 24	2 59	1 8	20 53	1 38	22 41	0 5	12 24	0 46	24 37	1 50	23 29	23 31	4 17	5 14	2 28
S 11	10 46	0n 5	5 2	11 25	0 4	14 21	5 29	13 12	2 22	2 54	1 8	20 53	1 39	22 41	0 5	12 24	0 46	24 37	1 50	23 28	23 31	4 14	5 16	2 28
S 12	11 7	5 57	5 2	12 21	0n 7	13 56	5 17	13 8	2 19	2 49	1 8	20 52	1 39	22 41	0 5	12 23	0 46	24 37	1 50	23 28	23 31	4 11	5 17	2 28
M13	11 27	11 29	4 41	13 15	0 17	13 31	5 4	13 3	2 17	2 44	1 8	20 52	1 39	22 42	0 5	12 23	0 46	24 37	1 50	23 28	23 30	4 9	5 18	2 28
T 14	11 48	16 18	4 2	14 8	0 28	13 6	4 51	12 59	2 14	2 39	1 8	20 52	1 39	22 42	0 5	12 23	0 46	24 37	1 50	23 27	23 30	4 6	5 20	2 28
W15	12 8	20 3	3 8	15 0	0 39	12 41	4 38	12 54	2 12	2 34	1 8	20 51	1 39	22 42	0 5	12 22	0 46	24 37	1 50	23 27	23 30	4 3	5 21	2 28
T 16	12 28	22 31	2 4	15 51	0 49	12 16	4 24	12 49	2 9	2 28	1 8	20 51	1 39	22 43	0 5	12 22	0 46	24 37	1 50	23 27	23 30	4 0	5 22	2 28
F 17	12 48	23 35	0 55	16 40	0 59	11 52	4 10	12 44	2 7	2 23	1 8	20 50	1 39	22 43	0 5	12 21	0 46	24 37	1 50	23 27	23 30	3 58	5 24	2 28
S 18	13 8	23 16	0s16	17 27	1 9	11 28	3 56	12 39	2 5	2 18	1 9	20 50	1 39	22 43	0 5	12 21	0 46	24 37	1 50	23 27	23 30	3 55	5 25	2 28
S 19	13 27	21 44	1 23	18 12	1 18	11 5	3 42	12 33	2 2	2 13	1 9	20 50	1 39	22 44	0 5	12 21	0 46	24 37	1 50	23 27	23 30	3 52	5 26	2 28
M20	13 46	19 11	2 25	18 55	1 27	10 42	3 27	12 28	2 0	2 8	1 9	20 49	1 39	22 44	0 5	12 20	0 46	24 37	1 50	23 27	23 30	3 49	5 28	2 28
T 21	14 5	15 50	3 19	19 36	1 36	10 20	3 13	12 22	1 58	2 3	1 9	20 49	1 39	22 44	0 5	12 20	0 46	24 37	1 50	23 27	23 30	3 47	5 29	2 28
W22	14 24	11 53	4 4	20 14	1 44	10 0	2 59	12 15	1 55	1 59	1 9	20 48	1 39	22 45	0 5	12 19	0 46	24 37	1 50	23 27	23 30	3 44	5 30	2 28
T 23	14 43	7 31	4 38	20 50	1 51	9 40	2 45	12 9	1 53	1 54	1 9	20 48	1 39	22 45	0 5	12 19	0 46	24 37	1 50	23 27	23 30	3 41	5 31	2 28
F 24	15 1	2 54	4 59	21 23	1 58	9 21	2 31	12 3	1 51	1 49	1 9	20 47	1 39	22 45	0 5	12 19	0 46	24 37	1 50	23 27	23 30	3 38	5 33	2 28
S 25	15 19	1s51	5 8	21 54	2 4	9 3	2 17	11 56	1 49	1 44	1 10	20 47	1 39	22 46	0 5	12 18	0 46	24 37	1 50	23 27	23 29	3 36	5 34	2 28
S 26	15 37	6 34	5 4	22 22	2 9	8 46	2 3	11 49	1 46	1 39	1 10	20 47	1 39	22 46	0 5	12 18	0 46	24 37	1 50	23 26	23 29	3 33	5 35	2 28
M27	15 55	11 6	4 45	22 48	2 13	8 31	1 49	11 42	1 44	1 34	1 10	20 46	1 39	22 46	0 5	12 18	0 47	24 37	1 50	23 26	23 29	3 30	5 36	2 28
T 28	16 12	15 16	4 14	23 11	2 17	8 17	1 36	11 35	1 42	1 30	1 10	20 46	1 39	22 47	0 5	12 18	0 47	24 36	1 50	23 26	23 29	3 27	5 38	2 28
W29	16 29	18 49	3 29	23 32	2 20	8 3	1 23	11 27	1 40	1 25	1 10	20 45	1 39	22 47	0 5	12 17	0 47	24 36	1 50	23 25	23 29	3 25	5 39	2 28
T 30	16n46	21s31	2s33	23n50	2n22	7n51	1n10	11n20	1n38	1s20	1s10	20s45	1n39	22n48	0n 5	12s17	0s47	24n36	1n50	23s25	23s29	3n22	5n40	2n28

Julian Day Number = 2156526.5, Delta T = 13m38s
Ecliptic obliquity = 23°32'39, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'39, Lahiri = 12°35'39 Julian Calendar 1 Apr. 1192 == Greg. Calendar 8 Apr. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

MAY 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 3 26	17♉10'37	7♐48	8♊ 4	17♈12	5♍ 1	29♓32	12°R21	15♊ 9	29♒55	14♋14	24°R14	25♐56	9♍52	8♈36	F 1
S 2	15 7 22	18° 8'16	21° 1	9°30	17°16	5°17	29°44	12♐18	15°13	29°56	14°15	24°D13	25°53	9°59	8°39	S 2
S 3	15 11 19	19° 5'54	4♑25	10°51	17°22	5°34	29°56	12°14	15°16	29°56	14°16	24♐14	25°50	10° 6	8°42	S 3
M 4	15 15 16	20° 3'30	18° 2	12° 9	17°30	5°51	0♈ 8	12°10	15°19	29°57	14°17	24°15	25°47	10°13	8°45	M 4
T 5	15 19 12	21° 1'05	1♒50	13°24	17°41	6° 9	0°19	12° 6	15°23	29°58	14°18	24°16	25°43	10°19	8°48	T 5
W 6	15 23 9	21°58'40	15°49	14°35	17°54	6°27	0°31	12° 2	15°26	29°59	14°19	24°R17	25°40	10°26	8°51	W 6
T 7	15 27 5	22°56'13	29°58	15°42	18° 8	6°45	0°42	11°58	15°29	29°59	14°20	24°17	25°37	10°33	8°54	T 7
F 8	15 31 2	23°53'46	14♓16	16°46	18°25	7° 4	0°54	11°54	15°33	29°59	14°21	24°16	25°34	10°39	8°56	F 8
S 9	15 34 58	24°51'17	28°40	17°45	18°43	7°24	1° 5	11°50	15°36	0♓ 0	14°22	24°13	25°31	10°46	8°59	S 9
S 10	15 38 55	25°48'48	13♈ 6	18°41	19° 4	7°43	1°16	11°46	15°39	0° 1	14°23	24°10	25°27	10°53	9° 2	S 10
M11	15 42 51	26°46'18	27°28	19°33	19°26	8° 4	1°27	11°42	15°43	0° 2	14°24	24° 6	25°24	11° 0	9° 5	M11
T 12	15 46 48	27°43'47	11♉41	20°21	19°50	8°24	1°38	11°37	15°46	0° 2	14°26	24° 2	25°21	11° 6	9° 7	T 12
W13	15 50 45	28°41'15	25°42	21° 5	20°15	8°45	1°49	11°33	15°50	0° 2	14°27	23°59	25°18	11°13	9°10	W13
T 14	15 54 41	29°38'42	9♊25	21°44	20°42	9° 7	2° 0	11°29	15°53	0° 3	14°28	23°57	25°15	11°20	9°12	T 14
F 15	15 58 38	0♊36'09	22°47	22°19	21°11	9°28	2°11	11°25	15°57	0° 3	14°29	23°D56	25°12	11°26	9°15	F 15
S 16	16 2 34	1°33'34	5♋50	22°50	21°41	9°51	2°21	11°20	16° 0	0° 4	14°31	23°57	25° 8	11°33	9°17	S 16
S 17	16 6 31	2°30'58	18°32	23°17	22°13	10°13	2°32	11°16	16° 4	0° 4	14°32	23°58	25° 5	11°40	9°20	S 17
M18	16 10 27	3°28'21	0♌57	23°39	22°45	10°36	2°42	11°12	16° 7	0° 4	14°33	24° 0	25° 2	11°47	9°22	M18
T 19	16 14 24	4°25'43	13° 7	23°56	23°20	10°59	2°53	11° 7	16°11	0° 4	14°34	24° 1	24°59	11°53	9°25	T 19
W20	16 18 20	5°23'03	25° 7	24° 9	23°55	11°23	3° 3	11° 3	16°14	0° 5	14°36	24° 2	24°56	12° 0	9°27	W20
T 21	16 22 17	6°20'23	7♍ 1	24°17	24°32	11°47	3°13	10°58	16°18	0° 5	14°37	24°R 2	24°53	12° 7	9°29	T 21
F 22	16 26 14	7°17'41	18°55	24°R21	25° 9	12°11	3°23	10°54	16°21	0° 5	14°38	24° 2	24°49	12°14	9°32	F 22
S 23	16 30 10	8°14'59	0♎51	24°20	25°48	12°35	3°33	10°50	16°25	0° 5	14°40	24° 1	24°46	12°20	9°34	S 23
S 24	16 34 7	9°12'16	12°56	24°15	26°28	13° 0	3°42	10°45	16°28	0° 5	14°41	23°59	24°43	12°27	9°36	S 24
M25	16 38 3	10° 9'31	25°12	24° 5	27° 9	13°25	3°52	10°41	16°32	0° 5	14°42	23°57	24°40	12°34	9°38	M25
T 26	16 42 0	11° 6'46	7♏42	23°51	27°51	13°51	4° 1	10°36	16°36	0°R 5	14°44	23°55	24°37	12°40	9°40	T 26
W27	16 45 56	12° 4'00	20°29	23°33	28°34	14°16	4°11	10°32	16°39	0° 5	14°45	23°54	24°33	12°47	9°43	W27
T 28	16 49 53	13° 1'14	3♐33	23°12	29°18	14°42	4°20	10°27	16°43	0° 5	14°47	23°53	24°30	12°54	9°45	T 28
F 29	16 53 49	13°58'27	16°54	22°47	0♑ 3	15° 9	4°29	10°23	16°46	0° 5	14°48	23°52	24°27	13° 1	9°47	F 29
S 30	16 57 46	14°55'40	0♑31	22°20	0°48	15°35	4°38	10°19	16°50	0° 5	14°49	23°D52	24°24	13° 7	9°48	S 30
S 31	17 1 43	15♊52'52	14♑22	21♊49	1♑35	16♍ 2	4♈47	10♐14	16♊53	0♓ 5	14♋51	23♐53	24♐21	13♍14	9♈50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 2	23s 9	1s28	24n 6	2n23	7n40	0n58	11n12	1n36	1s16	1s10	20s44	1n39	22n48	0n 5	12s17	0s47	24n36	1n50	23s25	23s29	3n19	5n41	2n28
S 2	17 18	23 32	0 17	24 20	2 23	7 31	0 46	11 4	1 34	1 11	1 11	20 44	1 39	22 48	0 5	12 16	0 47	24 36	1 50	23 25	23 29	3 16	5 43	2 28
S 3	17 34	22 33	0n55	24 32	2 23	7 22	0 34	10 56	1 32	1 6	1 11	20 43	1 39	22 49	0 5	12 16	0 47	24 36	1 50	23 25	23 29	3 14	5 44	2 28
M 4	17 50	20 14	2 6	24 41	2 21	7 15	0 23	10 48	1 30	1 2	1 11	20 43	1 39	22 49	0 5	12 16	0 47	24 36	1 50	23 25	23 29	3 11	5 45	2 28
T 5	18 5	16 44	3 11	24 49	2 19	7 9	0 12	10 39	1 28	0 57	1 11	20 42	1 39	22 49	0 5	12 16	0 47	24 36	1 50	23 25	23 28	3 8	5 46	2 28
W 6	18 20	12 16	4 5	24 54	2 16	7 4	0 1	10 31	1 26	0 53	1 11	20 42	1 39	22 50	0 5	12 16	0 47	24 36	1 50	23 25	23 28	3 5	5 47	2 28
T 7	18 35	7 5	4 45	24 58	2 12	7 0	0s10	10 22	1 24	0 49	1 11	20 41	1 39	22 50	0 5	12 15	0 47	24 36	1 50	23 25	23 28	3 3	5 48	2 28
F 8	18 50	1 29	5 8	24 59	2 7	6 57	0 20	10 13	1 22	0 44	1 12	20 41	1 39	22 51	0 5	12 15	0 47	24 36	1 50	23 25	23 28	3 0	5 50	2 28
S 9	19 4	4n14	5 12	25 0	2 1	6 55	0 29	10 4	1 20	0 40	1 12	20 40	1 39	22 51	0 5	12 15	0 47	24 36	1 50	23 25	23 28	2 57	5 51	2 28
S 10	19 18	9 44	4 56	24 58	1 55	6 54	0 39	9 55	1 18	0 36	1 12	20 39	1 39	22 51	0 5	12 15	0 47	24 35	1 50	23 25	23 28	2 55	5 52	2 28
M11	19 31	14 40	4 21	24 55	1 47	6 54	0 48	9 45	1 16	0 31	1 12	20 39	1 39	22 52	0 5	12 15	0 47	24 35	1 50	23 25	23 28	2 52	5 53	2 28
T 12	19 44	18 45	3 31	24 50	1 39	6 55	0 57	9 36	1 14	0 27	1 12	20 38	1 39	22 52	0 5	12 15	0 47	24 35	1 50	23 25	23 28	2 49	5 54	2 28
W13	19 57	21 40	2 29	24 44	1 30	6 57	1 5	9 26	1 12	0 23	1 13	20 38	1 39	22 52	0 5	12 14	0 47	24 35	1 50	23 24	23 28	2 46	5 55	2 28
T 14	20 10	23 16	1 19	24 37	1 20	6 59	1 13	9 17	1 11	0 19	1 13	20 37	1 39	22 53	0 5	12 14	0 47	24 35	1 50	23 24	23 27	2 44	5 56	2 28
F 15	20 22	23 27	0 6	24 28	1 9	7 3	1 21	9 7	1 9	0 15	1 13	20 37	1 39	22 53	0 5	12 14	0 47	24 35	1 50	23 24	23 27	2 41	5 57	2 28
S 16	20 34	22 20	1s 5	24 18	0 57	7 7	1 28	8 57	1 7	0 11	1 13	20 36	1 39	22 54	0 5	12 14	0 47	24 35	1 51	23 24	23 27	2 38	5 58	2 28
S 17	20 45	20 5	2 11	24 7	0 45	7 13	1 35	8 47	1 5	0 7	1 13	20 36	1 39	22 54	0 5	12 14	0 47	24 35	1 51	23 24	23 27	2 35	5 59	2 28
M18	20 56	16 57	3 10	23 55	0 32	7 18	1 42	8 36	1 4	0 3	1 14	20 35	1 39	22 54	0 5	12 14	0 47	24 35	1 51	23 24	23 27	2 33	6 0	2 29
T 19	21 7	13 8	3 59	23 42	0 18	7 25	1 49	8 26	1 2	0n 1	1 14	20 35	1 39	22 55	0 5	12 14	0 47	24 35	1 51	23 24	23 27	2 30	6 1	2 29
W20	21 18	8 52	4 36	23 28	0 3	7 32	1 55	8 15	1 0	0 5	1 14	20 34	1 39	22 55	0 5	12 14	0 47	24 34	1 51	23 25	23 27	2 27	6 2	2 29
T 21	21 28	4 18	5 2	23 13	0s12	7 40	2 1	8 5	0 58	0 9	1 14	20 33	1 39	22 55	0 5	12 14	0 47	24 34	1 51	23 25	23 27	2 24	6 3	2 29
F 22	21 37	0s25	5 14	22 58	0 28	7 49	2 7	7 54	0 57	0 13	1 14	20 33	1 39	22 56	0 5	12 14	0 47	24 34	1 51	23 25	23 27	2 22	6 4	2 29
S 23	21 47	5 8	5 13	22 42	0 44	7 58	2 12	7 43	0 55	0 16	1 15	20 32	1 39	22 56	0 5	12 14	0 47	24 34	1 51	23 24	23 26	2 19	6 5	2 29
S 24	21 56	9 42	4 59	22 25	1 0	8 8	2 17	7 32	0 54	0 20	1 15	20 32	1 39	22 57	0 5	12 14	0 48	24 34	1 51	23 24	23 26	2 16	6 6	2 29
M25	22 4	13 58	4 30	22 8	1 17	8 18	2 22	7 21	0 52	0 24	1 15	20 31	1 39	22 57	0 5	12 14	0 48	24 34	1 51	23 24	23 26	2 14	6 7	2 29
T 26	22 12	17 44	3 48	21 50	1 34	8 29	2 26	7 9	0 50	0 27	1 15	20 31	1 38	22 57	0 5	12 14	0 48	24 34	1 51	23 24	23 26	2 11	6 8	2 29
W27	22 20	20 45	2 54	21 33	1 51	8 40	2 31	6 58	0 49	0 31	1 15	20 30	1 38	22 58	0 5	12 14	0 48	24 34	1 51	23 24	23 26	2 8	6 9	2 29
T 28	22 28	22 45	1 50	21 15	2 8	8 52	2 35	6 47	0 47	0 34	1 16	20 30	1 38	22 58	0 5	12 14	0 48	24 34	1 51	23 24	23 26	2 5	6 9	2 29
F 29	22 35	23 32	0 38	20 57	2 24	9 4	2 39	6 35	0 46	0 38	1 16	20 29	1 38	22 58	0 5	12 14	0 48	24 33	1 51	23 24	23 26	2 3	6 10	2 29
S 30	22 41	22 56	0n37	20 39	2 40	9 16	2 42	6 23	0 44	0 41	1 16	20 28	1 38	22 59	0 5	12 14	0 48	24 33	1 51	23 24	23 25	2 0	6 11	2 29
S 31	22n47	20s55	1n51	20n22	2s56	9n29	2s46	6n11	0n43	0n44	1s16	20s28	1n38	22n59	0n 5	12s14	0s48	24n33	1n51	23s24	23s25	1n57	6n12	2n29

Julian Day Number = 2156556.5, Delta T = 13m38s
Ecliptic obliquity = 23°32'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'43, Lahiri = 12°35'43 Julian Calendar 1 May 1192 == Greg. Calendar 8 May 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

JUNE 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 5 39	16♊50'03	28♉23	21°R17	2♉22	16♍29	4♈56	10°R10	16♊57	0°R 5	14♋52	23♐53	24♐18	13♍21	9♈52	M 1
T 2	17 9 36	17°47'15	12♒33	20♊44	3°10	16°56	5° 4	10♐ 6	17° 1	0♓ 5	14°54	23°54	24°14	13°27	9°54	T 2
W 3	17 13 32	18°44'26	26°47	20° 9	3°59	17°24	5°13	10° 1	17° 4	0° 4	14°55	23°54	24°11	13°34	9°56	W 3
T 4	17 17 29	19°41'38	11♓ 2	19°34	4°49	17°52	5°21	9°57	17° 8	0° 4	14°57	23°54	24° 8	13°41	9°57	T 4
F 5	17 21 25	20°38'49	25°17	19° 0	5°39	18°20	5°29	9°53	17°11	0° 4	14°58	23°R54	24° 5	13°48	9°59	F 5
S 6	17 25 22	21°36'00	9♈28	18°26	6°30	18°48	5°37	9°48	17°15	0° 3	15° 0	23°54	24° 2	13°54	10° 1	S 6
S 7	17 29 18	22°33'11	23°33	17°54	7°21	19°17	5°45	9°44	17°19	0° 3	15° 1	23°54	23°59	14° 1	10° 2	S 7
M 8	17 33 15	23°30'23	7♉30	17°23	8°13	19°46	5°53	9°40	17°22	0° 3	15° 3	23°D54	23°55	14° 8	10° 4	M 8
T 9	17 37 12	24°27'34	21°16	16°56	9° 6	20°15	6° 1	9°35	17°26	0° 2	15° 4	23°54	23°52	14°15	10° 5	T 9
W10	17 41 8	25°24'46	4♊49	16°31	9°59	20°44	6° 8	9°31	17°29	0° 2	15° 6	23°54	23°49	14°21	10° 7	W10
T 11	17 45 5	26°21'57	18° 9	16°10	10°53	21°14	6°16	9°27	17°33	0° 1	15° 8	23°R54	23°46	14°28	10° 8	T 11
F 12	17 49 1	27°19'09	1♋13	15°52	11°47	21°44	6°23	9°23	17°36	0° 1	15° 9	23°54	23°43	14°35	10° 9	F 12
S 13	17 52 58	28°16'20	14° 2	15°39	12°42	22°14	6°30	9°19	17°40	0° 0	15°11	23°54	23°39	14°41	10°11	S 13
S 14	17 56 54	29°13'31	26°36	15°30	13°38	22°44	6°37	9°15	17°43	29♒59	15°12	23°54	23°36	14°48	10°12	S 14
M15	18 0 51	0♋10'42	8♌56	15°D26	14°33	23°14	6°44	9°11	17°47	29°59	15°14	23°53	23°33	14°55	10°13	M15
T 16	18 4 47	1° 7'53	21° 4	15°26	15°30	23°45	6°50	9° 7	17°50	29°58	15°15	23°52	23°30	15° 2	10°14	T 16
W17	18 8 44	2° 5'04	3♍ 4	15°32	16°26	24°16	6°57	9° 3	17°54	29°58	15°17	23°51	23°27	15° 8	10°15	W17
T 18	18 12 41	3° 2'15	14°58	15°43	17°24	24°47	7° 3	8°59	17°57	29°57	15°19	23°50	23°24	15°15	10°16	T 18
F 19	18 16 37	3°59'25	26°51	15°58	18°21	25°18	7° 9	8°55	18° 1	29°56	15°20	23°50	23°20	15°22	10°17	F 19
S 20	18 20 34	4°56'35	8♎47	16°19	19°19	25°50	7°15	8°52	18° 4	29°56	15°22	23°D50	23°17	15°28	10°18	S 20
S 21	18 24 30	5°53'46	20°52	16°45	20°17	26°21	7°21	8°48	18° 8	29°55	15°23	23°50	23°14	15°35	10°19	S 21
M22	18 28 27	6°50'56	3♏ 8	17°16	21°16	26°53	7°27	8°44	18°11	29°54	15°25	23°51	23°11	15°42	10°20	M22
T 23	18 32 23	7°48'06	15°41	17°53	22°15	27°25	7°32	8°41	18°15	29°53	15°27	23°52	23° 8	15°49	10°21	T 23
W24	18 36 20	8°45'17	28°34	18°34	23°15	27°58	7°37	8°37	18°18	29°52	15°28	23°53	23° 5	15°55	10°21	W24
T 25	18 40 16	9°42'28	11♐48	19°21	24°14	28°30	7°42	8°34	18°22	29°52	15°30	23°54	23° 1	16° 2	10°22	T 25
F 26	18 44 13	10°39'39	25°25	20°13	25°14	29° 3	7°47	8°30	18°25	29°51	15°32	23°R54	22°58	16° 9	10°23	F 26
S 27	18 48 10	11°36'50	9♉23	21° 9	26°15	29°35	7°52	8°27	18°28	29°50	15°33	23°54	22°55	16°16	10°23	S 27
S 28	18 52 6	12°34'02	23°39	22°11	27°16	0♎ 8	7°57	8°24	18°32	29°49	15°35	23°53	22°52	16°22	10°24	S 28
M29	18 56 3	13°31'14	8♒ 8	23°17	28°17	0°41	8° 1	8°21	18°35	29°48	15°36	23°50	22°49	16°29	10°24	M29
T 30	18 59 59	14♋28'27	22♒45	24♊28	29♉18	1♎15	8♈ 6	8♐17	18♊38	29♒47	15♋38	23♐48	22♐45	16♍36	10♈25	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n53	17s38	3n 0	20n 5	3s11	9n42	2s49	5n59	0n41	0n48	1s17	20s27	1n38	22n59	0n 5	12s14	0s48	24n33	1n51	23s24	23s25	1n55	6n13	2n29
T 2	22 59	13 18	3 58	19 49	3 24	9 56	2 52	5 47	0 40	0 51	1 17	20 27	1 38	23 0	0 5	12 14	0 48	24 33	1 51	23 24	23 25	1 52	6 13	2 29
W 3	23 4	8 13	4 42	19 34	3 37	10 10	2 54	5 35	0 38	0 54	1 17	20 26	1 38	23 0	0 5	12 14	0 48	24 33	1 51	23 24	23 25	1 49	6 14	2 29
T 4	23 8	2 42	5 9	19 19	3 49	10 24	2 57	5 23	0 37	0 57	1 17	20 26	1 38	23 0	0 5	12 15	0 48	24 33	1 51	23 24	23 25	1 46	6 15	2 29
F 5	23 13	2n58	5 17	19 6	4 0	10 39	2 59	5 11	0 36	1 0	1 18	20 25	1 38	23 1	0 5	12 15	0 48	24 33	1 51	23 24	23 25	1 44	6 16	2 30
S 6	23 17	8 26	5 5	18 54	4 9	10 53	3 1	4 58	0 34	1 3	1 18	20 25	1 37	23 1	0 5	12 15	0 48	24 32	1 51	23 24	23 24	1 41	6 16	2 30
S 7	23 20	13 27	4 36	18 43	4 17	11 8	3 3	4 46	0 33	1 6	1 18	20 24	1 37	23 2	0 5	12 15	0 48	24 32	1 51	23 24	23 24	1 38	6 17	2 30
M 8	23 23	17 41	3 50	18 34	4 24	11 23	3 5	4 33	0 31	1 9	1 18	20 24	1 37	23 2	0 5	12 15	0 48	24 32	1 51	23 24	23 24	1 35	6 18	2 30
T 9	23 26	20 54	2 51	18 27	4 29	11 39	3 7	4 20	0 30	1 12	1 19	20 23	1 37	23 2	0 5	12 15	0 48	24 32	1 52	23 24	23 24	1 33	6 18	2 30
W10	23 28	22 54	1 44	18 21	4 32	11 54	3 8	4 7	0 29	1 15	1 19	20 23	1 37	23 3	0 6	12 16	0 48	24 32	1 52	23 24	23 24	1 30	6 19	2 30
T 11	23 30	23 32	0 32	18 17	4 34	12 10	3 9	3 55	0 27	1 17	1 19	20 22	1 37	23 3	0 6	12 16	0 48	24 32	1 52	23 24	23 24	1 27	6 20	2 30
F 12	23 31	22 52	0s40	18 14	4 35	12 25	3 10	3 42	0 26	1 20	1 19	20 22	1 37	23 3	0 6	12 16	0 48	24 32	1 52	23 24	23 24	1 25	6 20	2 30
S 13	23 32	20 59	1 49	18 14	4 34	12 41	3 11	3 28	0 25	1 22	1 20	20 21	1 37	23 4	0 6	12 16	0 48	24 32	1 52	23 24	23 23	1 22	6 21	2 30
S 14	23 32	18 7	2 51	18 15	4 32	12 57	3 12	3 15	0 23	1 25	1 20	20 21	1 37	23 4	0 6	12 16	0 48	24 31	1 52	23 24	23 23	1 19	6 21	2 30
M15	23 33	14 30	3 44	18 18	4 28	13 13	3 12	3 2	0 22	1 27	1 20	20 20	1 36	23 4	0 6	12 17	0 48	24 31	1 52	23 24	23 23	1 17	6 22	2 30
T 16	23 32	10 20	4 26	18 23	4 23	13 29	3 13	2 49	0 21	1 30	1 20	20 20	1 36	23 5	0 6	12 17	0 48	24 31	1 52	23 24	23 23	1 14	6 22	2 30
W17	23 32	5 50	4 56	18 29	4 17	13 45	3 13	2 35	0 19	1 32	1 21	20 19	1 36	23 5	0 6	12 17	0 48	24 31	1 52	23 24	23 23	1 11	6 23	2 30
T 18	23 31	1 9	5 13	18 37	4 10	14 1	3 13	2 22	0 18	1 34	1 21	20 19	1 36	23 5	0 6	12 18	0 48	24 31	1 52	23 24	23 23	1 8	6 23	2 30
F 19	23 29	3s34	5 16	18 47	4 2	14 17	3 13	2 8	0 17	1 37	1 21	20 18	1 36	23 6	0 6	12 18	0 48	24 31	1 52	23 24	23 23	1 6	6 24	2 31
S 20	23 27	8 11	5 6	18 58	3 54	14 33	3 13	1 54	0 16	1 39	1 21	20 18	1 36	23 6	0 6	12 18	0 48	24 31	1 52	23 24	23 22	1 3	6 24	2 31
S 21	23 25	12 31	4 42	19 10	3 44	14 48	3 12	1 41	0 15	1 41	1 22	20 17	1 36	23 6	0 6	12 18	0 49	24 30	1 52	23 24	23 22	1 0	6 25	2 31
M22	23 22	16 27	4 5	19 23	3 33	15 4	3 12	1 27	0 13	1 43	1 22	20 17	1 35	23 7	0 6	12 19	0 49	24 30	1 52	23 24	23 22	0 58	6 25	2 31
T 23	23 19	19 44	3 16	19 38	3 22	15 20	3 11	1 13	0 12	1 45	1 22	20 17	1 35	23 7	0 6	12 19	0 49	24 30	1 52	23 24	23 22	0 55	6 25	2 31
W24	23 15	22 8	2 15	19 53	3 11	15 36	3 10	0 59	0 11	1 46	1 22	20 16	1 35	23 7	0 6	12 19	0 49	24 30	1 52	23 24	23 22	0 52	6 26	2 31
T 25	23 11	23 24	1 6	20 9	2 59	15 51	3 9	0 45	0 10	1 48	1 23	20 16	1 35	23 7	0 6	12 20	0 49	24 30	1 52	23 24	23 22	0 50	6 26	2 31
F 26	23 7	23 19	0n 8	20 25	2 46	16 7	3 8	0 31	0 9	1 50	1 23	20 16	1 35	23 8	0 6	12 20	0 49	24 30	1 52	23 24	23 21	0 47	6 26	2 31
S 27	23 2	21 48	1 24	20 42	2 33	16 22	3 7	0 17	0 8	1 52	1 23	20 15	1 35	23 8	0 6	12 20	0 49	24 30	1 52	23 24	23 21	0 44	6 27	2 31
S 28	22 57	18 53	2 37	20 59	2 19	16 37	3 6	0 3	0 6	1 53	1 24	20 15	1 34	23 8	0 6	12 21	0 49	24 30	1 53	23 24	23 21	0 41	6 27	2 31
M29	22 51	14 46	3 40	21 17	2 6	16 52	3 5	0s12	0 5	1 55	1 24	20 14	1 34	23 9	0 6	12 21	0 49	24 29	1 53	23 24	23 21	0 39	6 27	2 31
T 30	22n45	9s45	4n30	21n34	1s52	17n 7	3s 3	0s26	0n 4	1n56	1s24	20s14	1n34	23n 9	0n 6	12s22	0s49	24n29	1n53	23s24	23s21	0n36	6n27	2n31

Julian Day Number = 2156587.5, Delta T = 13m38s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'47, Lahiri = 12°35'47 Julian Calendar 1 June 1192 == Greg. Calendar 8 June 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

JULY 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 3 56	15♋25'40	7♓22	25♊44	0♊20	1♎48	8♈10	8°R14	18♊42	29°R46	15♋40	23°R45	22♐42	16♍42	10♈25	W 1
T 2	19 7 52	16°22'54	21°54	27° 4	1°22	2°22	8°14	8♐11	18°45	29♒45	15°41	23♐43	22°39	16°49	10°25	T 2
F 3	19 11 49	17°20'09	6♈16	28°29	2°24	2°55	8°17	8° 8	18°48	29°43	15°43	23°42	22°36	16°56	10°26	F 3
S 4	19 15 46	18°17'25	20°24	29°58	3°27	3°29	8°21	8° 6	18°51	29°42	15°45	23°D41	22°33	17° 3	10°26	S 4
S 5	19 19 42	19°14'42	4♉18	1♋32	4°29	4° 4	8°24	8° 3	18°55	29°41	15°46	23°42	22°30	17° 9	10°26	S 5
M 6	19 23 39	20°12'00	17°57	3° 9	5°32	4°38	8°28	8° 0	18°58	29°40	15°48	23°43	22°26	17°16	10°26	M 6
T 7	19 27 35	21° 9'19	1♊21	4°50	6°36	5°12	8°31	7°57	19° 1	29°39	15°49	23°45	22°23	17°23	10°R26	T 7
W 8	19 31 32	22° 6'40	14°30	6°35	7°39	5°47	8°34	7°55	19° 4	29°38	15°51	23°46	22°20	17°30	10°26	W 8
T 9	19 35 28	23° 4'01	27°26	8°24	8°43	6°22	8°36	7°52	19° 7	29°36	15°53	23°R46	22°17	17°36	10°26	T 9
F 10	19 39 25	24° 1'23	10♋10	10°15	9°47	6°56	8°39	7°50	19°10	29°35	15°54	23°45	22°14	17°43	10°26	F 10
S 11	19 43 21	24°58'45	22°43	12° 9	10°51	7°32	8°41	7°48	19°13	29°34	15°56	23°42	22°11	17°50	10°26	S 11
S 12	19 47 18	25°56'09	5♌ 4	14° 6	11°56	8° 7	8°43	7°45	19°17	29°33	15°58	23°38	22° 7	17°56	10°25	S 12
M13	19 51 15	26°53'34	17°16	16° 5	13° 1	8°42	8°45	7°43	19°20	29°31	15°59	23°33	22° 4	18° 3	10°25	M13
T 14	19 55 11	27°50'59	29°19	18° 5	14° 5	9°18	8°46	7°41	19°23	29°30	16° 1	23°27	22° 1	18°10	10°25	T 14
W15	19 59 8	28°48'25	11♍16	20° 7	15°10	9°53	8°48	7°39	19°25	29°29	16° 2	23°21	21°58	18°17	10°24	W15
T 16	20 3 4	29°45'52	23° 8	22°10	16°16	10°29	8°49	7°37	19°28	29°27	16° 4	23°15	21°55	18°23	10°24	T 16
F 17	20 7 1	0♌43'20	5♎ 0	24°14	17°21	11° 5	8°50	7°36	19°31	29°26	16° 6	23°11	21°51	18°30	10°23	F 17
S 18	20 10 57	1°40'48	16°54	26°18	18°27	11°41	8°51	7°34	19°34	29°25	16° 7	23° 8	21°48	18°37	10°23	S 18
S 19	20 14 54	2°38'18	28°56	28°23	19°33	12°17	8°52	7°32	19°37	29°23	16° 9	23°D 7	21°45	18°43	10°22	S 19
M20	20 18 50	3°35'48	11♏10	0♌27	20°39	12°54	8°52	7°31	19°40	29°22	16°10	23° 7	21°42	18°50	10°21	M20
T 21	20 22 47	4°33'19	23°41	2°31	21°45	13°30	8°53	7°29	19°43	29°20	16°12	23° 8	21°39	18°57	10°21	T 21
W22	20 26 44	5°30'51	6♐32	4°35	22°51	14° 7	8°R53	7°28	19°45	29°19	16°14	23°10	21°36	19° 4	10°20	W22
T 23	20 30 40	6°28'24	19°48	6°37	23°58	14°44	8°53	7°27	19°48	29°17	16°15	23°R11	21°32	19°10	10°19	T 23
F 24	20 34 37	7°25'58	3♑31	8°39	25° 4	15°20	8°53	7°26	19°51	29°16	16°17	23°10	21°29	19°17	10°18	F 24
S 25	20 38 33	8°23'33	17°41	10°40	26°11	15°57	8°52	7°24	19°54	29°14	16°18	23° 8	21°26	19°24	10°17	S 25
S 26	20 42 30	9°21'10	2♒15	12°39	27°18	16°35	8°51	7°24	19°56	29°13	16°20	23° 4	21°23	19°31	10°16	S 26
M27	20 46 26	10°18'47	17° 6	14°38	28°26	17°12	8°50	7°23	19°59	29°11	16°21	22°58	21°20	19°37	10°15	M27
T 28	20 50 23	11°16'26	2♓ 8	16°35	29°33	17°49	8°49	7°22	20° 1	29°10	16°23	22°51	21°17	19°44	10°14	T 28
W29	20 54 19	12°14'06	17°10	18°31	0♋40	18°27	8°48	7°21	20° 4	29° 8	16°24	22°44	21°13	19°51	10°13	W29
T 30	20 58 16	13°11'48	2♈ 3	20°25	1°48	19° 4	8°47	7°21	20° 6	29° 7	16°26	22°37	21°10	19°57	10°12	T 30
F 31	21 2 13	14♌ 9'31	16♈40	22♌18	2♋56	19♎42	8♈45	7♐20	20♊ 9	29♒ 5	16♋27	22♐32	21♐ 7	20♍ 4	10♈11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n39	4s11	5n 2	21n50	1s38	17n21	3s 1	0s40	0n 3	1n58	1s24	20s14	1n34	23n 9	0n 6	12s22	0s49	24n29	1n53	23s24	23s21	0n33	6n28	2n31
T 2	22 32	1n35	5 14	22 6	1 24	17 35	3 0	0 55	0 2	1 59	1 25	20 14	1 34	23 10	0 6	12 22	0 49	24 29	1 53	23 24	23 20	0 31	6 28	2 32
F 3	22 25	7 11	5 7	22 21	1 11	17 49	2 58	1 9	0 1	2 0	1 25	20 13	1 34	23 10	0 6	12 23	0 49	24 29	1 53	23 24	23 20	0 28	6 28	2 32
S 4	22 17	12 20	4 41	22 36	0 57	18 3	2 56	1 24	0s 0	2 1	1 25	20 13	1 33	23 10	0 6	12 23	0 49	24 29	1 53	23 24	23 20	0 25	6 28	2 32
S 5	22 9	16 45	3 59	22 49	0 43	18 17	2 54	1 38	0 1	2 2	1 26	20 13	1 33	23 10	0 6	12 24	0 49	24 29	1 53	23 24	23 20	0 23	6 28	2 32
M 6	22 1	20 12	3 4	23 0	0 30	18 30	2 52	1 53	0 2	2 3	1 26	20 12	1 33	23 11	0 6	12 24	0 49	24 29	1 53	23 24	23 20	0 20	6 28	2 32
T 7	21 52	22 28	2 0	23 10	0 17	18 43	2 50	2 8	0 3	2 4	1 26	20 12	1 33	23 11	0 6	12 25	0 49	24 28	1 53	23 24	23 19	0 17	6 28	2 32
W 8	21 43	23 29	0 51	23 18	0 4	18 56	2 48	2 22	0 4	2 5	1 26	20 12	1 33	23 11	0 6	12 25	0 49	24 28	1 53	23 24	23 19	0 15	6 29	2 32
T 9	21 34	23 11	0s20	23 24	0n 8	19 8	2 45	2 37	0 5	2 6	1 27	20 12	1 33	23 12	0 6	12 25	0 49	24 28	1 53	23 24	23 19	0 12	6 29	2 32
F 10	21 24	21 41	1 29	23 28	0 19	19 20	2 43	2 52	0 7	2 7	1 27	20 12	1 32	23 12	0 6	12 26	0 49	24 28	1 53	23 24	23 19	0 9	6 29	2 32
S 11	21 14	19 8	2 32	23 29	0 30	19 31	2 40	3 7	0 8	2 7	1 27	20 11	1 32	23 12	0 6	12 26	0 49	24 28	1 53	23 24	23 19	0 7	6 29	2 32
S 12	21 3	15 45	3 26	23 28	0 41	19 43	2 38	3 22	0 9	2 8	1 28	20 11	1 32	23 12	0 6	12 27	0 49	24 28	1 53	23 23	23 18	0 4	6 29	2 32
M13	20 52	11 45	4 11	23 25	0 51	19 54	2 35	3 37	0 10	2 8	1 28	20 11	1 32	23 13	0 6	12 27	0 49	24 28	1 54	23 23	23 18	0 1	6 28	2 32
T 14	20 41	7 20	4 44	23 18	1 0	20 4	2 32	3 52	0 11	2 9	1 28	20 11	1 32	23 13	0 6	12 28	0 49	24 28	1 54	23 23	23 18	0s 1	6 28	2 32
W15	20 29	2 42	5 4	23 9	1 8	20 14	2 30	4 7	0 11	2 9	1 29	20 11	1 31	23 13	0 6	12 28	0 49	24 27	1 54	23 23	23 18	0 4	6 28	2 32
T 16	20 17	2s 1	5 10	22 57	1 15	20 24	2 27	4 22	0 12	2 9	1 29	20 11	1 31	23 13	0 6	12 29	0 49	24 27	1 54	23 22	23 18	0 7	6 28	2 33
F 17	20 5	6 38	5 4	22 42	1 22	20 33	2 24	4 37	0 13	2 9	1 29	20 11	1 31	23 14	0 6	12 29	0 49	24 27	1 54	23 22	23 18	0 10	6 28	2 33
S 18	19 52	11 2	4 44	22 25	1 28	20 42	2 21	4 52	0 14	2 9	1 29	20 10	1 31	23 14	0 6	12 30	0 49	24 27	1 54	23 22	23 17	0 12	6 28	2 33
S 19	19 39	15 4	4 12	22 5	1 33	20 50	2 18	5 7	0 15	2 9	1 30	20 10	1 31	23 14	0 6	12 30	0 49	24 27	1 54	23 22	23 17	0 15	6 28	2 33
M20	19 26	18 32	3 28	21 43	1 37	20 58	2 15	5 22	0 16	2 9	1 30	20 10	1 30	23 14	0 6	12 31	0 49	24 27	1 54	23 22	23 17	0 18	6 28	2 33
T 21	19 12	21 14	2 33	21 19	1 40	21 6	2 12	5 37	0 17	2 9	1 30	20 10	1 30	23 15	0 6	12 31	0 49	24 27	1 54	23 22	23 17	0 20	6 27	2 33
W22	18 58	22 57	1 29	20 52	1 43	21 13	2 8	5 52	0 18	2 9	1 31	20 10	1 30	23 15	0 6	12 32	0 49	24 27	1 54	23 22	23 17	0 23	6 27	2 33
T 23	18 44	23 27	0 18	20 23	1 45	21 19	2 5	6 7	0 19	2 9	1 31	20 10	1 30	23 15	0 6	12 33	0 49	24 26	1 54	23 22	23 16	0 25	6 27	2 33
F 24	18 30	22 34	0n56	19 53	1 46	21 25	2 2	6 22	0 20	2 8	1 31	20 10	1 30	23 15	0 6	12 33	0 49	24 26	1 54	23 22	23 16	0 28	6 26	2 33
S 25	18 15	20 15	2 8	19 21	1 46	21 31	1 58	6 37	0 21	2 8	1 31	20 10	1 29	23 15	0 6	12 34	0 49	24 26	1 55	23 22	23 16	0 31	6 26	2 33
S 26	17 59	16 35	3 15	18 47	1 46	21 36	1 55	6 53	0 22	2 7	1 32	20 10	1 29	23 16	0 6	12 34	0 49	24 26	1 55	23 22	23 16	0 33	6 26	2 33
M27	17 44	11 49	4 9	18 12	1 45	21 40	1 52	7 8	0 23	2 7	1 32	20 10	1 29	23 16	0 6	12 35	0 49	24 26	1 55	23 21	23 16	0 36	6 26	2 33
T 28	17 28	6 17	4 47	17 35	1 44	21 44	1 48	7 23	0 23	2 6	1 32	20 11	1 29	23 16	0 6	12 35	0 49	24 26	1 55	23 21	23 15	0 39	6 25	2 33
W29	17 12	0 24	5 5	16 58	1 42	21 48	1 45	7 38	0 24	2 5	1 33	20 11	1 29	23 16	0 6	12 36	0 50	24 26	1 55	23 21	23 15	0 41	6 25	2 33
T 30	16 56	5n26	5 3	16 19	1 39	21 51	1 41	7 53	0 25	2 4	1 33	20 11	1 28	23 16	0 6	12 36	0 50	24 26	1 55	23 20	23 15	0 44	6 24	2 33
F 31	16n39	10n53	4n40	15n39	1n36	21n53	1s38	8s 8	0s26	2n 4	1s33	20s11	1n28	23n17	0n 6	12s37	0s50	24n26	1n55	23s20	23s15	0s47	6n24	2n33

Julian Day Number = 2156617.5, Delta T = 13m38s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'51, Lahiri = 12°35'52 Julian Calendar 1 July 1192 == Greg. Calendar 8 July 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

AUGUST 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 9	15♌ 7'16	0♉56	24♌10	4♋ 4	20♎20	8°R43	7°R20	20♊11	29°R 4	16♋29	22°R30	21♐ 4	20♍11	10°R 9	S 1
S 2	21 10 6	16° 5'03	14°49	26° 0	5°12	20°58	8♈41	7♐19	20°13	29♒ 2	16°30	22°D29	21° 1	20°18	10♈ 8	S 2
M 3	21 14 2	17° 2'52	28°20	27°49	6°20	21°36	8°39	7°19	20°16	29° 0	16°32	22♐29	20°57	20°24	10° 7	M 3
T 4	21 17 59	18° 0'42	11♊31	29°37	7°29	22°14	8°36	7°19	20°18	28°59	16°33	22°30	20°54	20°31	10° 5	T 4
W 5	21 21 55	18°58'35	24°25	1♍23	8°37	22°53	8°34	7°D19	20°20	28°57	16°34	22°R30	20°51	20°38	10° 4	W 5
T 6	21 25 52	19°56'29	7♋ 4	3° 8	9°46	23°31	8°31	7°19	20°23	28°55	16°36	22°29	20°48	20°45	10° 2	T 6
F 7	21 29 48	20°54'25	19°30	4°52	10°55	24°10	8°28	7°19	20°25	28°54	16°37	22°26	20°45	20°51	10° 1	F 7
S 8	21 33 45	21°52'22	1♌47	6°34	12° 4	24°48	8°25	7°20	20°27	28°52	16°39	22°20	20°42	20°58	9°59	S 8
S 9	21 37 42	22°50'22	13°57	8°15	13°13	25°27	8°21	7°20	20°29	28°51	16°40	22°12	20°38	21° 5	9°58	S 9
M10	21 41 38	23°48'22	25°59	9°54	14°22	26° 6	8°18	7°20	20°31	28°49	16°41	22° 1	20°35	21°11	9°56	M10
T 11	21 45 35	24°46'25	7♍57	11°33	15°32	26°45	8°14	7°21	20°33	28°47	16°43	21°49	20°32	21°18	9°54	T 11
W12	21 49 31	25°44'29	19°50	13°10	16°41	27°24	8°10	7°22	20°35	28°46	16°44	21°37	20°29	21°25	9°52	W12
T 13	21 53 28	26°42'35	1♎41	14°46	17°51	28° 4	8° 6	7°22	20°37	28°44	16°45	21°26	20°26	21°32	9°51	T 13
F 14	21 57 24	27°40'42	13°32	16°20	19° 0	28°43	8° 1	7°23	20°39	28°42	16°47	21°17	20°22	21°38	9°49	F 14
S 15	22 1 21	28°38'51	25°26	17°54	20°10	29°23	7°57	7°24	20°41	28°41	16°48	21° 9	20°19	21°45	9°47	S 15
S 16	22 5 17	29°37'01	7♏27	19°26	21°20	0♏ 2	7°52	7°25	20°42	28°39	16°49	21° 5	20°16	21°52	9°45	S 16
M17	22 9 14	0♍35'13	19°38	20°56	22°30	0°42	7°47	7°26	20°44	28°37	16°51	21° 2	20°13	21°58	9°43	M17
T 18	22 13 11	1°33'26	2♐ 4	22°26	23°40	1°22	7°42	7°28	20°46	28°36	16°52	21°D 2	20°10	22° 5	9°41	T 18
W19	22 17 7	2°31'41	14°50	23°54	24°51	2° 2	7°37	7°29	20°47	28°34	16°53	21°R 2	20° 7	22°12	9°39	W19
T 20	22 21 4	3°29'58	28° 1	25°21	26° 1	2°42	7°32	7°30	20°49	28°32	16°54	21° 2	20° 3	22°19	9°37	T 20
F 21	22 25 0	4°28'16	11♑41	26°47	27°11	3°22	7°26	7°32	20°51	28°31	16°55	21° 0	20° 0	22°25	9°35	F 21
S 22	22 28 57	5°26'36	25°50	28°12	28°22	4° 2	7°21	7°34	20°52	28°29	16°57	20°57	19°57	22°32	9°32	S 22
S 23	22 32 53	6°24'57	10♒27	29°35	29°33	4°43	7°15	7°35	20°54	28°28	16°58	20°50	19°54	22°39	9°30	S 23
M24	22 36 50	7°23'20	25°27	0♎57	0♌44	5°23	7° 9	7°37	20°55	28°26	16°59	20°42	19°51	22°46	9°28	M24
T 25	22 40 46	8°21'45	10♓43	2°17	1°55	6° 4	7° 3	7°39	20°56	28°24	17° 0	20°31	19°48	22°52	9°26	T 25
W26	22 44 43	9°20'12	26° 2	3°36	3° 6	6°44	6°57	7°41	20°58	28°23	17° 1	20°21	19°44	22°59	9°23	W26
T 27	22 48 39	10°18'40	11♈13	4°54	4°17	7°25	6°50	7°43	20°59	28°21	17° 2	20°11	19°41	23° 6	9°21	T 27
F 28	22 52 36	11°17'11	26° 7	6°10	5°28	8° 6	6°44	7°45	21° 0	28°20	17° 3	20° 3	19°38	23°12	9°19	F 28
S 29	22 56 33	12°15'44	10♉36	7°24	6°39	8°47	6°37	7°48	21° 1	28°18	17° 4	19°58	19°35	23°19	9°16	S 29
S 30	23 0 29	13°14'20	24°38	8°37	7°51	9°28	6°31	7°50	21° 2	28°16	17° 5	19°55	19°32	23°26	9°14	S 30
M31	23 4 26	14♍12'57	8♊12	9♎48	9♌ 2	10♏ 9	6♈24	7♐52	21♊ 3	28♒15	17♋ 6	19♐54	19♐28	23♍33	9♈11	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n22	15n36	4n 1	14n59	1n33	21n55	1s34	8s23	0s27	2n 3	1s33	20s11	1n28	23n17	0n 6	12s38	0s50	24n26	1n55	23s20	23s14	0s49	6n23	2n34
S 2	16 5	19 21	3 8	14 18	1 29	21 56	1 31	8 39	0 28	2 1	1 34	20 11	1 28	23 17	0 6	12 38	0 50	24 25	1 55	23 20	23 14	0 52	6 23	2 34
M 3	15 48	21 55	2 6	13 36	1 25	21 57	1 27	8 54	0 28	2 0	1 34	20 11	1 28	23 17	0 6	12 39	0 50	24 25	1 55	23 20	23 14	0 55	6 22	2 34
T 4	15 30	23 14	0 59	12 54	1 20	21 57	1 23	9 9	0 29	1 59	1 34	20 11	1 27	23 17	0 6	12 39	0 50	24 25	1 55	23 20	23 14	0 57	6 22	2 34
W 5	15 12	23 15	0s10	12 12	1 15	21 56	1 20	9 24	0 30	1 58	1 34	20 12	1 27	23 18	0 6	12 40	0 50	24 25	1 55	23 20	23 14	1 0	6 21	2 34
T 6	14 54	22 4	1 17	11 29	1 9	21 55	1 16	9 39	0 31	1 56	1 35	20 12	1 27	23 18	0 6	12 40	0 50	24 25	1 56	23 20	23 13	1 3	6 21	2 34
F 7	14 35	19 49	2 19	10 45	1 4	21 53	1 12	9 54	0 32	1 55	1 35	20 12	1 27	23 18	0 6	12 41	0 50	24 25	1 56	23 20	23 13	1 5	6 20	2 34
S 8	14 17	16 42	3 14	10 2	0 58	21 51	1 9	10 9	0 32	1 54	1 35	20 12	1 26	23 18	0 6	12 42	0 50	24 25	1 56	23 19	23 13	1 8	6 20	2 34
S 9	13 58	12 54	3 59	9 18	0 51	21 48	1 5	10 24	0 33	1 52	1 35	20 13	1 26	23 18	0 6	12 42	0 50	24 25	1 56	23 19	23 13	1 11	6 19	2 34
M10	13 39	8 38	4 32	8 35	0 45	21 45	1 1	10 39	0 34	1 50	1 36	20 13	1 26	23 18	0 6	12 43	0 50	24 25	1 56	23 18	23 12	1 13	6 18	2 34
T 11	13 19	4 5	4 54	7 51	0 38	21 41	0 58	10 54	0 35	1 49	1 36	20 13	1 26	23 19	0 6	12 43	0 50	24 25	1 56	23 17	23 12	1 16	6 18	2 34
W12	13 0	0s35	5 2	7 7	0 31	21 36	0 54	11 9	0 35	1 47	1 36	20 14	1 26	23 19	0 6	12 44	0 50	24 25	1 56	23 17	23 12	1 18	6 17	2 34
T 13	12 40	5 13	4 58	6 24	0 24	21 31	0 50	11 24	0 36	1 45	1 36	20 14	1 25	23 19	0 6	12 45	0 50	24 25	1 56	23 16	23 12	1 21	6 16	2 34
F 14	12 20	9 40	4 40	5 40	0 17	21 25	0 47	11 39	0 37	1 43	1 37	20 14	1 25	23 19	0 6	12 45	0 50	24 25	1 56	23 15	23 12	1 24	6 16	2 34
S 15	12 0	13 46	4 11	4 57	0 9	21 19	0 43	11 53	0 38	1 41	1 37	20 15	1 25	23 19	0 6	12 46	0 50	24 24	1 56	23 15	23 11	1 26	6 15	2 34
S 16	11 39	17 21	3 30	4 14	0 1	21 12	0 40	12 8	0 38	1 39	1 37	20 15	1 25	23 19	0 6	12 46	0 50	24 24	1 57	23 15	23 11	1 29	6 14	2 34
M17	11 19	20 16	2 39	3 31	0s 6	21 4	0 36	12 23	0 39	1 37	1 37	20 15	1 25	23 19	0 6	12 47	0 50	24 24	1 57	23 14	23 11	1 32	6 14	2 34
T 18	10 58	22 17	1 39	2 48	0 14	20 56	0 32	12 37	0 40	1 35	1 38	20 16	1 24	23 20	0 6	12 47	0 50	24 24	1 57	23 14	23 11	1 34	6 13	2 34
W19	10 37	23 13	0 33	2 5	0 22	20 47	0 29	12 52	0 41	1 32	1 38	20 16	1 24	23 20	0 6	12 48	0 50	24 24	1 57	23 14	23 10	1 37	6 12	2 34
T 20	10 16	22 55	0n37	1 23	0 30	20 38	0 25	13 6	0 41	1 30	1 38	20 17	1 24	23 20	0 6	12 49	0 50	24 24	1 57	23 14	23 10	1 39	6 11	2 34
F 21	9 55	21 15	1 47	0 42	0 38	20 28	0 22	13 21	0 42	1 28	1 38	20 17	1 24	23 20	0 6	12 49	0 50	24 24	1 57	23 14	23 10	1 42	6 10	2 34
S 22	9 33	18 14	2 53	0 1	0 47	20 17	0 18	13 35	0 43	1 25	1 38	20 18	1 24	23 20	0 6	12 50	0 50	24 24	1 57	23 14	23 10	1 45	6 10	2 34
S 23	9 12	14 0	3 50	0s40	0 55	20 6	0 15	13 50	0 43	1 23	1 39	20 18	1 23	23 20	0 6	12 50	0 50	24 24	1 57	23 14	23 9	1 47	6 9	2 34
M24	8 50	8 49	4 32	1 20	1 3	19 54	0 11	14 4	0 44	1 20	1 39	20 19	1 23	23 20	0 6	12 51	0 50	24 24	1 57	23 13	23 9	1 50	6 8	2 34
T 25	8 28	3 1	4 56	2 0	1 11	19 42	0 8	14 18	0 45	1 18	1 39	20 19	1 23	23 20	0 6	12 52	0 50	24 24	1 57	23 12	23 9	1 53	6 7	2 34
W26	8 6	2n59	4 59	2 39	1 20	19 29	0 4	14 32	0 45	1 15	1 39	20 20	1 23	23 20	0 6	12 52	0 50	24 24	1 58	23 11	23 9	1 55	6 6	2 34
T 27	7 44	8 46	4 41	3 18	1 28	19 16	0 1	14 46	0 46	1 12	1 39	20 20	1 23	23 21	0 6	12 53	0 50	24 24	1 58	23 11	23 8	1 58	6 5	2 34
F 28	7 22	13 54	4 4	3 56	1 36	19 2	0n 3	15 0	0 47	1 10	1 39	20 21	1 22	23 21	0 6	12 53	0 50	24 24	1 58	23 10	23 8	2 0	6 4	2 34
S 29	6 59	18 6	3 12	4 33	1 44	18 47	0 6	15 14	0 47	1 7	1 40	20 21	1 22	23 21	0 7	12 54	0 50	24 24	1 58	23 10	23 8	2 3	6 3	2 34
S 30	6 37	21 6	2 9	5 9	1 52	18 32	0 9	15 28	0 48	1 4	1 40	20 22	1 22	23 21	0 7	12 54	0 50	24 24	1 58	23 10	23 8	2 6	6 2	2 34
M31	6n14	22n47	1n 1	5s44	2s 0	18n17	0n12	15s41	0s48	1n 1	1s40	20s22	1n22	23n21	0n 7	12s55	0s50	24n24	1n58	23s 9	23s 7	2s 8	6n 1	2n34

Julian Day Number = 2156648.5, Delta T = 13m37s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°28'55, Lahiri = 12°35'56 Julian Calendar 1 Aug. 1192 == Greg. Calendar 8 Aug. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

SEPTEMBER 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 22	15♍11'37	21♊20	10♎57	10♌14	10♏50	6°R17	7♐55	21♊ 4	28°R13	17♋ 7	19°R54	19♐25	23♍39	9°R 9	T 1
W 2	23 12 19	16°10'20	4♋ 8	12° 4	11°26	11°32	6♈10	7°58	21° 5	28♒12	17° 8	19♐53	19°22	23°46	9♈ 7	W 2
T 3	23 16 15	17° 9'04	16°37	13° 9	12°37	12°13	6° 2	8° 0	21° 6	28°10	17° 9	19°51	19°19	23°53	9° 4	T 3
F 4	23 20 12	18° 7'51	28°54	14°12	13°49	12°54	5°55	8° 3	21° 7	28° 9	17°10	19°47	19°16	24° 0	9° 1	F 4
S 5	23 24 8	19° 6'40	11♌ 1	15°12	15° 1	13°36	5°48	8° 6	21° 8	28° 7	17°11	19°40	19°13	24° 6	8°59	S 5
S 6	23 28 5	20° 5'31	23° 1	16°10	16°13	14°18	5°40	8° 9	21° 9	28° 6	17°12	19°29	19° 9	24°13	8°56	S 6
M 7	23 32 2	21° 4'24	4♍56	17° 5	17°25	15° 0	5°33	8°12	21° 9	28° 4	17°13	19°17	19° 6	24°20	8°54	M 7
T 8	23 35 58	22° 3'19	16°49	17°57	18°38	15°42	5°25	8°15	21°10	28° 3	17°14	19° 2	19° 3	24°26	8°51	T 8
W 9	23 39 55	23° 2'17	28°41	18°46	19°50	16°23	5°17	8°19	21°11	28° 1	17°14	18°48	19° 0	24°33	8°48	W 9
T 10	23 43 51	24° 1'16	10♎34	19°31	21° 2	17° 6	5°10	8°22	21°11	28° 0	17°15	18°34	18°57	24°40	8°46	T 10
F 11	23 47 48	25° 0'18	22°27	20°13	22°15	17°48	5° 2	8°25	21°12	27°58	17°16	18°22	18°54	24°47	8°43	F 11
S 12	23 51 44	25°59'21	4♏25	20°50	23°28	18°30	4°54	8°29	21°12	27°57	17°17	18°13	18°50	24°53	8°40	S 12
S 13	23 55 41	26°58'26	16°28	21°23	24°40	19°12	4°46	8°32	21°13	27°55	17°17	18° 6	18°47	25° 0	8°38	S 13
M14	23 59 37	27°57'34	28°40	21°51	25°53	19°55	4°38	8°36	21°13	27°54	17°18	18° 3	18°44	25° 7	8°35	M14
T 15	0 3 34	28°56'43	11♐ 6	22°14	27° 6	20°37	4°30	8°40	21°13	27°53	17°19	18° 1	18°41	25°13	8°32	T 15
W16	0 7 31	29°55'54	23°49	22°30	28°19	21°20	4°22	8°44	21°13	27°51	17°19	18° 1	18°38	25°20	8°29	W16
T 17	0 11 27	0♎55'07	6♑55	22°41	29°32	22° 3	4°14	8°48	21°14	27°50	17°20	18° 1	18°34	25°27	8°27	T 17
F 18	0 15 24	1°54'21	20°25	22°R45	0♍45	22°45	4° 6	8°52	21°14	27°49	17°21	18° 0	18°31	25°34	8°24	F 18
S 19	0 19 20	2°53'38	4♒24	22°41	1°58	23°28	3°58	8°56	21°14	27°47	17°21	17°57	18°28	25°40	8°21	S 19
S 20	0 23 17	3°52'56	18°52	22°30	3°11	24°11	3°50	9° 0	21°R14	27°46	17°22	17°51	18°25	25°47	8°18	S 20
M21	0 27 13	4°52'15	3♓45	22°11	4°24	24°54	3°42	9° 4	21°14	27°45	17°22	17°43	18°22	25°54	8°16	M21
T 22	0 31 10	5°51'37	18°56	21°44	5°37	25°37	3°34	9° 8	21°14	27°44	17°23	17°33	18°19	26° 1	8°13	T 22
W23	0 35 6	6°51'01	4♈16	21° 9	6°51	26°21	3°25	9°13	21°14	27°43	17°23	17°22	18°15	26° 7	8°10	W23
T 24	0 39 3	7°50'27	19°33	20°25	8° 4	27° 4	3°17	9°17	21°13	27°41	17°24	17°13	18°12	26°14	8° 7	T 24
F 25	0 42 59	8°49'55	4♉36	19°34	9°18	27°47	3° 9	9°22	21°13	27°40	17°24	17° 5	18° 9	26°21	8° 4	F 25
S 26	0 46 56	9°49'25	19°16	18°35	10°31	28°31	3° 1	9°26	21°13	27°39	17°25	17° 0	18° 6	26°27	8° 2	S 26
S 27	0 50 53	10°48'57	3♊28	17°30	11°45	29°14	2°53	9°31	21°12	27°38	17°25	16°57	18° 3	26°34	7°59	S 27
M28	0 54 49	11°48'32	17°11	16°21	12°58	29°58	2°46	9°36	21°12	27°37	17°25	16°D56	17°59	26°41	7°56	M28
T 29	0 58 46	12°48'10	0♋26	15° 8	14°12	0♐41	2°38	9°40	21°12	27°36	17°26	16°56	17°56	26°48	7°53	T 29
W30	1 2 42	13♎47'49	13♋15	13♎53	15♍26	1♐25	2♈30	9♐45	21♊11	27♒35	17♋26	16°R57	17♐53	26♍54	7♈50	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n52	23n 8	0s 8	6s19	2s 8	18n 0	0n16	15s55	0s49	0n58	1s40	20s23	1n22	23n21	0n 7	12s55	0s50	24n24	1n58	23s 9	23s 7	2s11	6n 0	2n34
W 2	5 29	22 14	1 14	6 52	2 16	17 44	0 19	16 9	0 50	0 55	1 40	20 24	1 21	23 21	0 7	12 56	0 50	24 24	1 58	23 9	23 7	2 13	5 59	2 34
T 3	5 6	20 15	2 16	7 25	2 24	17 27	0 22	16 22	0 50	0 52	1 40	20 24	1 21	23 21	0 7	12 56	0 50	24 24	1 58	23 9	23 7	2 16	5 58	2 34
F 4	4 43	17 22	3 10	7 56	2 31	17 9	0 25	16 35	0 51	0 49	1 40	20 25	1 21	23 21	0 7	12 57	0 50	24 24	1 59	23 9	23 6	2 19	5 57	2 34
S 5	4 20	13 47	3 55	8 27	2 38	16 51	0 28	16 48	0 51	0 46	1 41	20 26	1 21	23 21	0 7	12 58	0 50	24 24	1 59	23 8	23 6	2 21	5 56	2 34
S 6	3 56	9 40	4 29	8 55	2 45	16 32	0 31	17 2	0 52	0 43	1 41	20 26	1 21	23 21	0 7	12 58	0 50	24 24	1 59	23 8	23 6	2 24	5 55	2 34
M 7	3 33	5 14	4 50	9 23	2 52	16 13	0 34	17 14	0 53	0 40	1 41	20 27	1 20	23 21	0 7	12 59	0 50	24 24	1 59	23 7	23 6	2 26	5 54	2 34
T 8	3 10	0 38	4 59	9 49	2 58	15 53	0 37	17 27	0 53	0 37	1 41	20 28	1 20	23 22	0 7	12 59	0 50	24 24	1 59	23 5	23 5	2 29	5 53	2 34
W 9	2 47	3s59	4 55	10 13	3 4	15 33	0 40	17 40	0 54	0 34	1 41	20 28	1 20	23 22	0 7	13 0	0 50	24 24	1 59	23 4	23 5	2 32	5 52	2 34
T 10	2 23	8 27	4 38	10 36	3 10	15 13	0 42	17 53	0 54	0 31	1 41	20 29	1 20	23 22	0 7	13 0	0 50	24 24	1 59	23 3	23 5	2 34	5 51	2 34
F 11	2 0	12 37	4 9	10 56	3 15	14 52	0 45	18 5	0 55	0 28	1 41	20 30	1 20	23 22	0 7	13 1	0 50	24 24	1 59	23 2	23 5	2 37	5 50	2 34
S 12	1 36	16 19	3 29	11 15	3 20	14 31	0 48	18 18	0 55	0 25	1 41	20 30	1 19	23 22	0 7	13 1	0 50	24 24	1 59	23 1	23 4	2 39	5 49	2 34
S 13	1 12	19 22	2 39	11 31	3 24	14 9	0 50	18 30	0 56	0 21	1 41	20 31	1 19	23 22	0 7	13 2	0 50	24 24	2 0	23 1	23 4	2 42	5 48	2 34
M14	0 49	21 35	1 40	11 45	3 27	13 46	0 53	18 42	0 56	0 18	1 41	20 32	1 19	23 22	0 7	13 2	0 50	24 24	2 0	23 0	23 4	2 44	5 46	2 34
T 15	0 25	22 49	0 37	11 56	3 30	13 24	0 55	18 54	0 57	0 15	1 41	20 33	1 19	23 22	0 7	13 3	0 50	24 24	2 0	23 0	23 4	2 47	5 45	2 34
W16	0 2	22 53	0n31	12 4	3 32	13 1	0 58	19 6	0 57	0 12	1 41	20 33	1 19	23 22	0 7	13 3	0 50	24 24	2 0	23 0	23 3	2 50	5 44	2 34
T 17	0s22	21 44	1 38	12 9	3 32	12 37	1 0	19 17	0 58	0 8	1 41	20 34	1 19	23 22	0 7	13 3	0 50	24 24	2 0	23 0	23 3	2 52	5 43	2 34
F 18	0 46	19 18	2 43	12 10	3 32	12 14	1 2	19 29	0 58	0 5	1 41	20 35	1 18	23 22	0 7	13 4	0 50	24 24	2 0	23 0	23 3	2 55	5 42	2 34
S 19	1 9	15 41	3 39	12 7	3 31	11 50	1 5	19 40	0 59	0 2	1 41	20 36	1 18	23 22	0 7	13 4	0 50	24 24	2 0	23 0	23 2	2 57	5 41	2 34
S 20	1 33	11 3	4 24	12 0	3 28	11 25	1 7	19 51	0 59	0s 1	1 41	20 37	1 18	23 22	0 7	13 5	0 50	24 24	2 0	22 59	23 2	3 0	5 40	2 34
M21	1 57	5 38	4 53	11 49	3 24	11 0	1 9	20 2	1 0	0 4	1 41	20 37	1 18	23 22	0 7	13 5	0 50	24 24	2 0	22 58	23 2	3 2	5 38	2 34
T 22	2 20	0n14	5 2	11 34	3 18	10 35	1 11	20 13	1 0	0 8	1 41	20 38	1 18	23 22	0 7	13 6	0 50	24 24	2 1	22 57	23 2	3 5	5 37	2 34
W23	2 44	6 7	4 49	11 13	3 10	10 10	1 13	20 24	1 1	0 11	1 41	20 39	1 17	23 22	0 7	13 6	0 50	24 24	2 1	22 56	23 1	3 8	5 36	2 34
T 24	3 7	11 37	4 16	10 48	3 1	9 44	1 15	20 35	1 1	0 14	1 41	20 40	1 17	23 22	0 7	13 6	0 50	24 24	2 1	22 56	23 1	3 10	5 35	2 34
F 25	3 31	16 19	3 25	10 18	2 50	9 18	1 16	20 45	1 1	0 17	1 41	20 41	1 17	23 22	0 7	13 7	0 50	24 24	2 1	22 55	23 1	3 13	5 34	2 33
S 26	3 54	19 53	2 21	9 44	2 37	8 51	1 18	20 55	1 2	0 20	1 41	20 42	1 17	23 22	0 7	13 7	0 50	24 24	2 1	22 54	23 0	3 15	5 33	2 33
S 27	4 18	22 6	1 11	9 5	2 22	8 25	1 20	21 5	1 2	0 23	1 41	20 43	1 17	23 22	0 7	13 8	0 50	24 24	2 1	22 54	23 0	3 18	5 31	2 33
M28	4 41	22 54	0s 1	8 23	2 5	7 58	1 21	21 15	1 3	0 26	1 41	20 43	1 17	23 22	0 7	13 8	0 50	24 24	2 1	22 54	23 0	3 20	5 30	2 33
T 29	5 5	22 21	1 11	7 38	1 47	7 31	1 23	21 25	1 3	0 29	1 41	20 44	1 16	23 22	0 7	13 8	0 50	24 24	2 1	22 54	23 0	3 23	5 29	2 33
W30	5s28	20n38	2s16	6s51	1s28	7n 4	1n24	21s34	1s 3	0s33	1s41	20s45	1n16	23n22	0n 7	13s 9	0s50	24n25	2n 1	22s54	22s59	3s25	5n28	2n33

Julian Day Number = 2156679.5, Delta T = 13m37s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'00, Lahiri = 12°36'00 Julian Calendar 1 Sept. 1192 == Greg. Calendar 8 Sept. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

OCTOBER 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 39	14♎47'31	25♋45	12°R40	16♍40	2♐ 9	2°R22	9♐50	21°R10	27°R34	17♋26	16°R56	17♐50	27♍ 1	7°R48	T 1
F 2	1 10 35	15°47'15	7♌58	11♎29	17°54	2°53	2♈15	9°55	21♊10	27♒33	17°27	16♐54	17°47	27° 8	7♈45	F 2
S 3	1 14 32	16°47'01	20° 1	10°24	19° 8	3°37	2° 7	10° 0	21° 9	27°32	17°27	16°49	17°44	27°14	7°42	S 3
S 4	1 18 28	17°46'50	1♍57	9°26	20°22	4°21	1°59	10° 6	21° 8	27°31	17°27	16°41	17°40	27°21	7°39	S 4
M 5	1 22 25	18°46'40	13°49	8°36	21°36	5° 5	1°52	10°11	21° 8	27°30	17°27	16°31	17°37	27°28	7°37	M 5
T 6	1 26 22	19°46'33	25°40	7°57	22°50	5°49	1°45	10°16	21° 7	27°29	17°27	16°21	17°34	27°35	7°34	T 6
W 7	1 30 18	20°46'28	7♎33	7°29	24° 4	6°33	1°37	10°21	21° 6	27°28	17°27	16° 9	17°31	27°41	7°31	W 7
T 8	1 34 15	21°46'25	19°29	7°12	25°18	7°18	1°30	10°27	21° 5	27°28	17°28	15°58	17°28	27°48	7°29	T 8
F 9	1 38 11	22°46'24	1♏29	7°D 6	26°33	8° 2	1°23	10°32	21° 4	27°27	17°28	15°49	17°25	27°55	7°26	F 9
S 10	1 42 8	23°46'25	13°35	7°12	27°47	8°47	1°16	10°38	21° 3	27°26	17°28	15°42	17°21	28° 2	7°23	S 10
S 11	1 46 4	24°46'28	25°48	7°28	29° 1	9°31	1°10	10°43	21° 2	27°25	17°28	15°38	17°18	28° 8	7°21	S 11
M12	1 50 1	25°46'32	8♐11	7°55	0♎16	10°16	1° 3	10°49	21° 1	27°25	17°R28	15°35	17°15	28°15	7°18	M12
T 13	1 53 57	26°46'39	20°44	8°31	1°30	11° 0	0°56	10°55	21° 0	27°24	17°28	15°D35	17°12	28°22	7°15	T 13
W14	1 57 54	27°46'46	3♑33	9°15	2°45	11°45	0°50	11° 0	20°59	27°23	17°28	15°36	17° 9	28°28	7°13	W14
T 15	2 1 51	28°46'56	16°38	10° 7	3°59	12°30	0°44	11° 6	20°57	27°23	17°28	15°38	17° 5	28°35	7°10	T 15
F 16	2 5 47	29°47'07	0♒ 5	11° 5	5°14	13°15	0°38	11°12	20°56	27°22	17°27	15°R38	17° 2	28°42	7° 8	F 16
S 17	2 9 44	0♏47'20	13°54	12°10	6°29	14° 0	0°32	11°18	20°55	27°22	17°27	15°37	16°59	28°49	7° 5	S 17
S 18	2 13 40	1°47'34	28° 6	13°19	7°43	14°45	0°26	11°24	20°53	27°21	17°27	15°35	16°56	28°55	7° 3	S 18
M19	2 17 37	2°47'49	12♓40	14°33	8°58	15°30	0°20	11°30	20°52	27°21	17°27	15°30	16°53	29° 2	7° 0	M19
T 20	2 21 33	3°48'06	27°33	15°51	10°13	16°15	0°15	11°36	20°50	27°20	17°27	15°24	16°50	29° 9	6°58	T 20
W21	2 25 30	4°48'25	12♈35	17°12	11°27	17° 0	0° 9	11°42	20°49	27°20	17°27	15°18	16°46	29°15	6°55	W21
T 22	2 29 26	5°48'45	27°39	18°36	12°42	17°45	0° 4	11°48	20°47	27°20	17°26	15°12	16°43	29°22	6°53	T 22
F 23	2 33 23	6°49'07	12♉35	20° 2	13°57	18°31	29♓59	11°54	20°46	27°19	17°26	15° 7	16°40	29°29	6°51	F 23
S 24	2 37 20	7°49'31	27°14	21°29	15°12	19°16	29°54	12° 0	20°44	27°19	17°26	15° 4	16°37	29°36	6°48	S 24
S 25	2 41 16	8°49'56	11♊30	22°59	16°27	20° 1	29°50	12° 7	20°42	27°19	17°25	15°D 3	16°34	29°42	6°46	S 25
M26	2 45 13	9°50'24	25°19	24°29	17°42	20°47	29°45	12°13	20°41	27°18	17°25	15° 3	16°31	29°49	6°44	M26
T 27	2 49 9	10°50'53	8♋41	26° 1	18°56	21°32	29°41	12°19	20°39	27°18	17°25	15° 4	16°27	29°56	6°42	T 27
W28	2 53 6	11°51'24	21°37	27°34	20°11	22°18	29°37	12°26	20°37	27°18	17°24	15° 6	16°24	0♎ 2	6°40	W28
T 29	2 57 2	12°51'57	4♌12	29° 7	21°26	23° 4	29°33	12°32	20°35	27°18	17°24	15° 7	16°21	0° 9	6°37	T 29
F 30	3 0 59	13°52'31	16°29	0♏40	22°41	23°49	29°29	12°39	20°33	27°18	17°23	15°R 8	16°18	0°16	6°35	F 30
S 31	3 4 55	14♏53'08	28♌32	2♏14	23♎57	24♐35	29♓25	12♐45	20♊31	27♒18	17♋23	15♐ 7	16♐15	0♎23	6♈33	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s51	17n57	3s11	6s 4	1s 8	6n36	1n26	21s43	1s 4	0s36	1s41	20s46	1n16	23n22	0n 7	13s 9	0s50	24n25	2n 2	22s54	22s59	3s28	5n27	2n33
F 2	6 14	14 32	3 57	5 17	0 47	6 8	1 27	21 53	1 4	0 38	1 41	20 47	1 16	23 22	0 7	13 9	0 50	24 25	2 2	22 54	22 59	3 31	5 26	2 33
S 3	6 37	10 34	4 32	4 33	0 27	5 40	1 28	22 1	1 5	0 41	1 40	20 48	1 16	23 22	0 7	13 10	0 50	24 25	2 2	22 53	22 58	3 33	5 24	2 33
S 4	7 0	6 15	4 54	3 51	0 6	5 12	1 29	22 10	1 5	0 44	1 40	20 49	1 16	23 22	0 7	13 10	0 50	24 25	2 2	22 52	22 58	3 36	5 23	2 33
M 5	7 23	1 43	5 4	3 14	0n13	4 44	1 30	22 19	1 5	0 47	1 40	20 50	1 15	23 22	0 7	13 10	0 50	24 25	2 2	22 51	22 58	3 38	5 22	2 33
T 6	7 46	2s52	5 0	2 41	0 32	4 15	1 31	22 27	1 6	0 50	1 40	20 51	1 15	23 22	0 7	13 10	0 50	24 25	2 2	22 50	22 58	3 41	5 21	2 33
W 7	8 9	7 21	4 44	2 14	0 49	3 46	1 32	22 35	1 6	0 53	1 40	20 51	1 15	23 22	0 7	13 11	0 50	24 25	2 2	22 49	22 57	3 43	5 20	2 32
T 8	8 31	11 35	4 14	1 53	1 4	3 18	1 33	22 43	1 6	0 55	1 40	20 52	1 15	23 22	0 7	13 11	0 50	24 25	2 2	22 48	22 57	3 46	5 19	2 32
F 9	8 54	15 23	3 34	1 38	1 18	2 49	1 34	22 50	1 7	0 58	1 40	20 53	1 15	23 22	0 7	13 11	0 50	24 25	2 3	22 47	22 57	3 48	5 17	2 32
S 10	9 16	18 35	2 43	1 29	1 30	2 20	1 34	22 58	1 7	1 1	1 39	20 54	1 15	23 22	0 7	13 12	0 50	24 26	2 3	22 46	22 56	3 51	5 16	2 32
S 11	9 38	20 59	1 44	1 26	1 41	1 50	1 35	23 5	1 7	1 3	1 39	20 55	1 15	23 21	0 7	13 12	0 50	24 26	2 3	22 46	22 56	3 53	5 15	2 32
M12	10 0	22 25	0 40	1 28	1 50	1 21	1 35	23 12	1 8	1 6	1 39	20 56	1 14	23 21	0 7	13 12	0 50	24 26	2 3	22 46	22 56	3 56	5 14	2 32
T 13	10 22	22 45	0n28	1 36	1 57	0 52	1 36	23 19	1 8	1 8	1 39	20 57	1 14	23 21	0 7	13 12	0 50	24 26	2 3	22 46	22 55	3 58	5 13	2 32
W14	10 44	21 54	1 35	1 48	2 3	0 22	1 36	23 25	1 8	1 11	1 39	20 58	1 14	23 21	0 7	13 12	0 50	24 26	2 3	22 46	22 55	4 1	5 12	2 32
T 15	11 5	19 52	2 40	2 5	2 7	0s 7	1 37	23 31	1 9	1 13	1 39	20 59	1 14	23 21	0 7	13 13	0 50	24 26	2 3	22 46	22 55	4 3	5 11	2 32
F 16	11 27	16 41	3 37	2 25	2 10	0 36	1 37	23 38	1 9	1 15	1 38	21 0	1 14	23 21	0 7	13 13	0 50	24 26	2 3	22 46	22 55	4 6	5 9	2 31
S 17	11 48	12 31	4 23	2 48	2 12	1 6	1 37	23 43	1 9	1 17	1 38	21 1	1 14	23 21	0 7	13 13	0 50	24 26	2 4	22 46	22 54	4 8	5 8	2 31
S 18	12 9	7 34	4 55	3 15	2 12	1 36	1 37	23 49	1 9	1 19	1 38	21 2	1 14	23 21	0 7	13 13	0 49	24 27	2 4	22 46	22 54	4 11	5 7	2 31
M19	12 30	2 5	5 9	3 44	2 12	2 5	1 37	23 54	1 10	1 22	1 38	21 3	1 13	23 21	0 7	13 13	0 49	24 27	2 4	22 45	22 54	4 14	5 6	2 31
T 20	12 50	3n38	5 2	4 15	2 11	2 35	1 37	23 59	1 10	1 24	1 38	21 4	1 13	23 21	0 7	13 13	0 49	24 27	2 4	22 44	22 53	4 16	5 5	2 31
W21	13 11	9 13	4 35	4 48	2 9	3 4	1 37	24 4	1 10	1 25	1 37	21 5	1 13	23 21	0 7	13 13	0 49	24 27	2 4	22 44	22 53	4 19	5 4	2 31
T 22	13 31	14 14	3 49	5 22	2 6	3 34	1 36	24 9	1 10	1 27	1 37	21 6	1 13	23 21	0 7	13 14	0 49	24 27	2 4	22 43	22 53	4 21	5 3	2 31
F 23	13 51	18 20	2 47	5 58	2 3	4 3	1 36	24 13	1 10	1 29	1 37	21 7	1 13	23 21	0 7	13 14	0 49	24 27	2 4	22 43	22 52	4 24	5 2	2 30
S 24	14 11	21 10	1 35	6 34	1 59	4 32	1 36	24 17	1 11	1 31	1 37	21 7	1 13	23 20	0 7	13 14	0 49	24 27	2 4	22 42	22 52	4 26	5 1	2 30
S 25	14 30	22 35	0 19	7 12	1 55	5 2	1 35	24 21	1 11	1 32	1 36	21 8	1 13	23 20	0 7	13 14	0 49	24 28	2 4	22 42	22 52	4 29	5 0	2 30
M26	14 50	22 32	0s56	7 49	1 50	5 31	1 35	24 24	1 11	1 34	1 36	21 9	1 13	23 20	0 7	13 14	0 49	24 28	2 5	22 42	22 51	4 31	4 59	2 30
T 27	15 9	21 10	2 5	8 28	1 45	6 0	1 34	24 27	1 11	1 36	1 36	21 10	1 12	23 20	0 7	13 14	0 49	24 28	2 5	22 42	22 51	4 34	4 58	2 30
W28	15 27	18 44	3 6	9 6	1 40	6 29	1 34	24 30	1 11	1 37	1 36	21 11	1 12	23 20	0 7	13 14	0 49	24 28	2 5	22 42	22 51	4 36	4 57	2 30
T 29	15 46	15 27	3 57	9 44	1 34	6 58	1 33	24 33	1 12	1 38	1 35	21 12	1 12	23 20	0 7	13 14	0 49	24 28	2 5	22 43	22 50	4 39	4 56	2 30
F 30	16 4	11 36	4 35	10 23	1 28	7 26	1 32	24 36	1 12	1 40	1 35	21 13	1 12	23 20	0 7	13 14	0 49	24 28	2 5	22 43	22 50	4 41	4 55	2 29
S 31	16s22	7n21	5s 0	11s 1	1n22	7s55	1n31	24s38	1s12	1s41	1s35	21s14	1n12	23n20	0n 7	13s14	0s49	24n29	2n 5	22s42	22s50	4s43	4n54	2n29

Julian Day Number = 2156709.5, Delta T = 13m37s
Ecliptic obliquity = 23°32'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'04, Lahiri = 12°36'04 Julian Calendar 1 Oct. 1192 == Greg. Calendar 8 Oct. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

NOVEMBER 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 52	15♏53'46	10♍28	3♏49	25♎12	25♐21	29°R22	12♐52	20°R29	27°D18	17°R22	15°R 4	16♐11	0♎29	6°R31	S 1
M 2	3 12 49	16°54'26	22°19	5°23	26°27	26° 7	29♓19	12°58	20♊27	27♒18	17♋22	15♐ 1	16° 8	0°36	6♈29	M 2
T 3	3 16 45	17°55'07	4♎11	6°58	27°42	26°53	29°16	13° 5	20°25	27°18	17°21	14°56	16° 5	0°43	6°27	T 3
W 4	3 20 42	18°55'50	16° 6	8°32	28°57	27°39	29°13	13°11	20°23	27°18	17°21	14°51	16° 2	0°50	6°25	W 4
T 5	3 24 38	19°56'35	28° 7	10° 7	0♏12	28°25	29°11	13°18	20°21	27°18	17°20	14°47	15°59	0°56	6°24	T 5
F 6	3 28 35	20°57'21	10♏16	11°42	1°27	29°11	29° 8	13°25	20°19	27°18	17°20	14°43	15°56	1° 3	6°22	F 6
S 7	3 32 31	21°58'09	22°34	13°17	2°43	29°57	29° 6	13°31	20°17	27°18	17°19	14°40	15°52	1°10	6°20	S 7
S 8	3 36 28	22°58'57	5♐ 3	14°51	3°58	0♑43	29° 4	13°38	20°15	27°18	17°18	14°39	15°49	1°16	6°18	S 8
M 9	3 40 24	23°59'48	17°43	16°26	5°13	1°29	29° 2	13°45	20°13	27°19	17°18	14°D38	15°46	1°23	6°17	M 9
T 10	3 44 21	25° 0'39	0♑35	18° 0	6°28	2°15	29° 1	13°52	20°10	27°19	17°17	14°39	15°43	1°30	6°15	T 10
W11	3 48 18	26° 1'31	13°40	19°35	7°44	3° 2	28°59	13°59	20° 8	27°19	17°16	14°40	15°40	1°37	6°13	W11
T 12	3 52 14	27° 2'25	26°58	21° 9	8°59	3°48	28°58	14° 5	20° 6	27°20	17°15	14°42	15°36	1°43	6°12	T 12
F 13	3 56 11	28° 3'19	10♒31	22°44	10°14	4°34	28°57	14°12	20° 3	27°20	17°15	14°43	15°33	1°50	6°10	F 13
S 14	4 0 7	29° 4'14	24°19	24°18	11°29	5°21	28°57	14°19	20° 1	27°20	17°14	14°R43	15°30	1°57	6° 9	S 14
S 15	4 4 4	0♐ 5'09	8♓22	25°52	12°45	6° 7	28°56	14°26	19°59	27°21	17°13	14°43	15°27	2° 3	6° 8	S 15
M16	4 8 0	1° 6'06	22°39	27°27	14° 0	6°54	28°56	14°33	19°56	27°21	17°12	14°43	15°24	2°10	6° 6	M16
T 17	4 11 57	2° 7'03	7♈ 7	29° 1	15°15	7°40	28°D56	14°40	19°54	27°22	17°11	14°41	15°21	2°17	6° 5	T 17
W18	4 15 53	3° 8'01	21°42	0♐35	16°31	8°27	28°56	14°47	19°51	27°22	17°10	14°40	15°17	2°24	6° 4	W18
T 19	4 19 50	4° 8'59	6♉19	2° 9	17°46	9°13	28°56	14°54	19°49	27°23	17° 9	14°38	15°14	2°30	6° 3	T 19
F 20	4 23 47	5° 9'59	20°51	3°44	19° 1	10° 0	28°57	15° 1	19°47	27°24	17° 9	14°37	15°11	2°37	6° 1	F 20
S 21	4 27 43	6°10'59	5♊13	5°18	20°17	10°47	28°58	15° 8	19°44	27°24	17° 8	14°37	15° 8	2°44	6° 0	S 21
S 22	4 31 40	7°12'00	19°18	6°52	21°32	11°33	28°58	15°15	19°42	27°25	17° 7	14°D37	15° 5	2°50	5°59	S 22
M23	4 35 36	8°13'02	3♋ 3	8°26	22°48	12°20	29° 0	15°22	19°39	27°26	17° 6	14°37	15° 2	2°57	5°58	M23
T 24	4 39 33	9°14'05	16°25	10° 1	24° 3	13° 7	29° 1	15°29	19°37	27°27	17° 5	14°38	14°58	3° 4	5°57	T 24
W25	4 43 29	10°15'09	29°25	11°35	25°18	13°54	29° 3	15°36	19°34	27°27	17° 4	14°38	14°55	3°11	5°57	W25
T 26	4 47 26	11°16'13	12♌ 4	13°10	26°34	14°41	29° 4	15°43	19°32	27°28	17° 3	14°39	14°52	3°17	5°56	T 26
F 27	4 51 22	12°17'19	24°26	14°45	27°49	15°27	29° 6	15°50	19°29	27°29	17° 2	14°39	14°49	3°24	5°55	F 27
S 28	4 55 19	13°18'25	6♍33	16°20	29° 5	16°14	29° 9	15°57	19°26	27°30	17° 1	14°39	14°46	3°31	5°54	S 28
S 29	4 59 16	14°19'32	18°30	17°55	0♐20	17° 1	29°11	16° 4	19°24	27°31	17° 0	14°39	14°42	3°37	5°54	S 29
M30	5 3 12	15♐20'40	0♎22	19♐30	1♐36	17♑48	29♓14	16♐11	19♊21	27♒32	16♋58	14♐39	14♐39	3♎44	5♈53	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s40	2n52	5s12	11s39	1n16	8s23	1n30	24s40	1s12	1s42	1s35	21s15	1n12	23n20	0n 7	13s14	0s49	24n29	2n 5	22s42	22s49	4s46	4n53	2n29
M 2	16 58	1s41	5 10	12 17	1 9	8 52	1 29	24 41	1 12	1 43	1 34	21 16	1 12	23 19	0 8	13 14	0 49	24 29	2 5	22 42	22 49	4 48	4 52	2 29
T 3	17 15	6 11	4 56	12 55	1 2	9 20	1 28	24 43	1 12	1 44	1 34	21 17	1 12	23 19	0 8	13 14	0 49	24 29	2 6	22 41	22 49	4 51	4 51	2 29
W 4	17 32	10 29	4 28	13 32	0 56	9 48	1 27	24 44	1 12	1 45	1 34	21 18	1 12	23 19	0 8	13 14	0 49	24 29	2 6	22 41	22 48	4 53	4 50	2 29
T 5	17 48	14 24	3 48	14 8	0 49	10 15	1 26	24 45	1 13	1 45	1 33	21 19	1 11	23 19	0 8	13 14	0 49	24 30	2 6	22 40	22 48	4 56	4 49	2 28
F 6	18 4	17 46	2 58	14 44	0 42	10 42	1 25	24 45	1 13	1 46	1 33	21 20	1 11	23 19	0 8	13 14	0 49	24 30	2 6	22 40	22 48	4 58	4 48	2 28
S 7	18 20	20 24	1 59	15 20	0 35	11 10	1 23	24 45	1 13	1 47	1 33	21 21	1 11	23 19	0 8	13 14	0 49	24 30	2 6	22 39	22 47	5 1	4 47	2 28
S 8	18 36	22 6	0 53	15 55	0 28	11 37	1 22	24 45	1 13	1 47	1 33	21 22	1 11	23 19	0 8	13 14	0 49	24 30	2 6	22 39	22 47	5 3	4 47	2 28
M 9	18 51	22 41	0n17	16 29	0 22	12 3	1 21	24 45	1 13	1 48	1 32	21 22	1 11	23 18	0 8	13 14	0 49	24 30	2 6	22 39	22 47	5 6	4 46	2 28
T 10	19 6	22 6	1 27	17 2	0 15	12 29	1 19	24 44	1 13	1 48	1 32	21 23	1 11	23 18	0 8	13 13	0 49	24 31	2 6	22 39	22 46	5 8	4 45	2 28
W11	19 21	20 18	2 33	17 35	0 8	12 55	1 18	24 44	1 13	1 48	1 32	21 24	1 11	23 18	0 8	13 13	0 49	24 31	2 6	22 39	22 46	5 11	4 44	2 27
T 12	19 35	17 22	3 33	18 7	0 1	13 21	1 16	24 42	1 13	1 48	1 31	21 25	1 11	23 18	0 8	13 13	0 49	24 31	2 7	22 40	22 46	5 13	4 43	2 27
F 13	19 49	13 28	4 22	18 38	0s 6	13 47	1 14	24 41	1 13	1 48	1 31	21 26	1 11	23 18	0 8	13 13	0 49	24 31	2 7	22 40	22 45	5 16	4 43	2 27
S 14	20 2	8 48	4 57	19 8	0 12	14 12	1 13	24 39	1 13	1 48	1 31	21 27	1 11	23 18	0 8	13 13	0 49	24 31	2 7	22 40	22 45	5 18	4 42	2 27
S 15	20 15	3 36	5 14	19 37	0 19	14 36	1 11	24 37	1 13	1 48	1 30	21 28	1 11	23 17	0 8	13 13	0 49	24 32	2 7	22 40	22 45	5 21	4 41	2 27
M16	20 28	1n52	5 13	20 5	0 25	15 1	1 9	24 35	1 13	1 48	1 30	21 29	1 10	23 17	0 8	13 13	0 49	24 32	2 7	22 40	22 44	5 23	4 40	2 26
T 17	20 40	7 19	4 52	20 33	0 32	15 24	1 7	24 32	1 13	1 48	1 30	21 30	1 10	23 17	0 8	13 12	0 49	24 32	2 7	22 40	22 44	5 25	4 40	2 26
W18	20 52	12 24	4 13	20 59	0 38	15 48	1 6	24 30	1 13	1 48	1 30	21 30	1 10	23 17	0 8	13 12	0 49	24 32	2 7	22 39	22 44	5 28	4 39	2 26
T 19	21 4	16 46	3 17	21 25	0 44	16 11	1 4	24 26	1 13	1 47	1 29	21 31	1 10	23 17	0 8	13 12	0 49	24 32	2 7	22 39	22 43	5 30	4 38	2 26
F 20	21 15	20 6	2 8	21 49	0 51	16 34	1 2	24 23	1 13	1 47	1 29	21 32	1 10	23 17	0 8	13 12	0 49	24 33	2 7	22 39	22 43	5 33	4 38	2 26
S 21	21 26	22 7	0 52	22 12	0 57	16 56	1 0	24 19	1 13	1 46	1 29	21 33	1 10	23 16	0 8	13 11	0 49	24 33	2 8	22 39	22 43	5 35	4 37	2 26
S 22	21 36	22 41	0s26	22 34	1 2	17 18	0 58	24 15	1 13	1 46	1 28	21 34	1 10	23 16	0 8	13 11	0 49	24 33	2 8	22 39	22 42	5 38	4 37	2 25
M23	21 46	21 50	1 40	22 56	1 8	17 39	0 56	24 11	1 13	1 45	1 28	21 35	1 10	23 16	0 8	13 11	0 49	24 33	2 8	22 39	22 42	5 40	4 36	2 25
T 24	21 56	19 45	2 47	23 16	1 13	18 0	0 54	24 7	1 13	1 44	1 28	21 36	1 10	23 16	0 8	13 11	0 49	24 34	2 8	22 39	22 42	5 42	4 36	2 25
W25	22 5	16 43	3 44	23 34	1 19	18 20	0 51	24 2	1 13	1 43	1 27	21 36	1 10	23 16	0 8	13 10	0 49	24 34	2 8	22 39	22 41	5 45	4 35	2 25
T 26	22 14	12 58	4 28	23 52	1 24	18 40	0 49	23 57	1 13	1 42	1 27	21 37	1 10	23 15	0 8	13 10	0 49	24 34	2 8	22 39	22 41	5 47	4 35	2 25
F 27	22 22	8 45	4 58	24 8	1 29	19 0	0 47	23 51	1 13	1 41	1 27	21 38	1 10	23 15	0 8	13 10	0 49	24 34	2 8	22 39	22 40	5 50	4 34	2 24
S 28	22 30	4 17	5 14	24 23	1 34	19 19	0 45	23 46	1 13	1 40	1 26	21 39	1 10	23 15	0 8	13 9	0 49	24 35	2 8	22 39	22 40	5 52	4 34	2 24
S 29	22 37	0s17	5 17	24 37	1 38	19 37	0 43	23 40	1 13	1 39	1 26	21 40	1 9	23 15	0 8	13 9	0 49	24 35	2 8	22 39	22 40	5 55	4 33	2 24
M30	22s44	4s49	5s 6	24s49	1s42	19s55	0n40	23s33	1s13	1s37	1s26	21s40	1n 9	23n15	0n 8	13s 9	0s49	24n35	2n 8	22s39	22s39	5s57	4n33	2n24

Julian Day Number = 2156740.5, Delta T = 13m37s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'08, Lahiri = 12°36'08 Julian Calendar 1 Nov. 1192 == Greg. Calendar 8 Nov. 1192

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ASTRODIENST EPHEMERIS for the year 1192
geocentric

DECEMBER 1192 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 9	16♐21'49	12♎14	21♐ 6	2♐51	18♑35	29♓16	16♐18	19°R19	27♒33	16°R57	14♐39	14♐36	3♎51	5°R53	T 1
W 2	5 11 5	17°22'59	24°11	22°41	4° 6	19°22	29°19	16°26	19♊16	27°34	16♋56	14°39	14°33	3°58	5♈52	W 2
T 3	5 15 2	18°24'09	6♏15	24°17	5°22	20° 9	29°22	16°33	19°14	27°35	16°55	14°40	14°30	4° 4	5°52	T 3
F 4	5 18 58	19°25'20	18°31	25°53	6°37	20°56	29°26	16°40	19°11	27°36	16°54	14°40	14°27	4°11	5°51	F 4
S 5	5 22 55	20°26'31	1♐ 1	27°29	7°53	21°43	29°29	16°47	19° 8	27°37	16°53	14°41	14°23	4°18	5°51	S 5
S 6	5 26 51	21°27'43	13°46	29° 5	9° 8	22°30	29°33	16°54	19° 6	27°38	16°52	14°R41	14°20	4°24	5°51	S 6
M 7	5 30 48	22°28'55	26°47	0♑42	10°24	23°18	29°37	17° 1	19° 3	27°39	16°51	14°41	14°17	4°31	5°51	M 7
T 8	5 34 45	23°30'08	10♑ 4	2°18	11°39	24° 5	29°41	17° 8	19° 1	27°41	16°49	14°40	14°14	4°38	5°50	T 8
W 9	5 38 41	24°31'20	23°34	3°55	12°55	24°52	29°46	17°15	18°58	27°42	16°48	14°39	14°11	4°45	5°50	W 9
T 10	5 42 38	25°32'33	7♒18	5°32	14°10	25°39	29°50	17°22	18°56	27°43	16°47	14°38	14° 8	4°51	5°D50	T 10
F 11	5 46 34	26°33'45	21°11	7° 9	15°26	26°26	29°55	17°29	18°53	27°44	16°46	14°36	14° 4	4°58	5°50	F 11
S 12	5 50 31	27°34'57	5♓13	8°46	16°41	27°13	29°59	17°36	18°50	27°46	16°44	14°35	14° 1	5° 5	5°51	S 12
S 13	5 54 27	28°36'09	19°20	10°23	17°57	28° 1	0♈ 5	17°43	18°48	27°47	16°43	14°34	13°58	5°11	5°51	S 13
M14	5 58 24	29°37'21	3♈30	11°59	19°12	28°48	0°10	17°50	18°45	27°48	16°42	14°D34	13°55	5°18	5°51	M14
T 15	6 2 21	0♑38'32	17°41	13°36	20°27	29°35	0°16	17°57	18°43	27°50	16°41	14°34	13°52	5°25	5°51	T 15
W16	6 6 17	1°39'43	1♉52	15°12	21°43	0♒22	0°21	18° 4	18°40	27°51	16°39	14°35	13°48	5°32	5°51	W16
T 17	6 10 14	2°40'54	15°59	16°48	22°58	1°10	0°27	18°11	18°38	27°53	16°38	14°37	13°45	5°38	5°52	T 17
F 18	6 14 10	3°42'04	0♊ 1	18°23	24°14	1°57	0°33	18°18	18°35	27°54	16°37	14°38	13°42	5°45	5°52	F 18
S 19	6 18 7	4°43'14	13°54	19°57	25°29	2°44	0°39	18°25	18°33	27°56	16°36	14°R38	13°39	5°52	5°53	S 19
S 20	6 22 3	5°44'24	27°36	21°30	26°45	3°31	0°46	18°32	18°31	27°57	16°34	14°38	13°36	5°58	5°53	S 20
M21	6 26 0	6°45'33	11♋ 4	23° 2	28° 0	4°19	0°52	18°38	18°28	27°59	16°33	14°36	13°33	6° 5	5°54	M21
T 22	6 29 56	7°46'42	24°16	24°32	29°16	5° 6	0°59	18°45	18°26	28° 0	16°32	14°33	13°29	6°12	5°55	T 22
W23	6 33 53	8°47'51	7♌10	26° 1	0♑31	5°53	1° 6	18°52	18°23	28° 2	16°30	14°30	13°26	6°19	5°55	W23
T 24	6 37 50	9°48'59	19°48	27°27	1°46	6°41	1°13	18°59	18°21	28° 4	16°29	14°25	13°23	6°25	5°56	T 24
F 25	6 41 46	10°50'08	2♍10	28°50	3° 2	7°28	1°20	19° 6	18°19	28° 5	16°28	14°21	13°20	6°32	5°57	F 25
S 26	6 45 43	11°51'16	14°18	0♒ 9	4°17	8°15	1°27	19°12	18°16	28° 7	16°26	14°17	13°17	6°39	5°58	S 26
S 27	6 49 39	12°52'23	26°17	1°25	5°33	9° 3	1°35	19°19	18°14	28° 9	16°25	14°15	13°14	6°45	5°59	S 27
M28	6 53 36	13°53'31	8♎10	2°36	6°48	9°50	1°42	19°26	18°12	28°10	16°24	14°13	13°10	6°52	6° 0	M28
T 29	6 57 32	14°54'38	20° 1	3°41	8° 3	10°37	1°50	19°32	18°10	28°12	16°23	14°D13	13° 7	6°59	6° 1	T 29
W30	7 1 29	15°55'45	1♏57	4°40	9°19	11°25	1°58	19°39	18° 7	28°14	16°21	14°14	13° 4	7° 6	6° 2	W30
T 31	7 5 25	16♑56'52	14♏ 1	5♒32	10♑34	12♒12	2♈ 6	19♐45	18♊ 5	28♒16	16♋20	14♐16	13♐ 1	7♎12	6♈ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s50	9s10	4s41	25s 1	1s46	20s12	0n38	23s27	1s13	1s36	1s26	21s41	1n 9	23n14	0n 8	13s 8	0s49	24n35	2n 9	22s39	22s39	5s59	4n32	2n24
W 2	22 57	13 12	4 5	25 10	1 50	20 29	0 36	23 20	1 13	1 34	1 25	21 42	1 9	23 14	0 8	13 8	0 49	24 35	2 9	22 39	22 39	6 2	4 32	2 23
T 3	23 2	16 46	3 17	25 19	1 53	20 45	0 33	23 13	1 13	1 33	1 25	21 43	1 9	23 14	0 8	13 8	0 49	24 36	2 9	22 39	22 38	6 4	4 32	2 23
F 4	23 7	19 39	2 20	25 25	1 57	21 0	0 31	23 6	1 13	1 31	1 25	21 43	1 9	23 14	0 8	13 7	0 49	24 36	2 9	22 39	22 38	6 7	4 31	2 23
S 5	23 12	21 40	1 15	25 31	2 0	21 15	0 29	22 58	1 12	1 29	1 24	21 44	1 9	23 14	0 8	13 7	0 49	24 36	2 9	22 40	22 38	6 9	4 31	2 23
S 6	23 16	22 38	0 5	25 34	2 2	21 29	0 26	22 51	1 12	1 28	1 24	21 45	1 9	23 13	0 8	13 6	0 49	24 36	2 9	22 40	22 37	6 11	4 31	2 23
M 7	23 20	22 24	1n 7	25 37	2 4	21 43	0 24	22 43	1 12	1 26	1 24	21 46	1 9	23 13	0 8	13 6	0 49	24 37	2 9	22 40	22 37	6 14	4 31	2 22
T 8	23 23	20 54	2 16	25 38	2 6	21 56	0 21	22 34	1 12	1 24	1 23	21 46	1 9	23 13	0 8	13 6	0 49	24 37	2 9	22 39	22 36	6 16	4 30	2 22
W 9	23 26	18 12	3 19	25 37	2 8	22 8	0 19	22 26	1 12	1 22	1 23	21 47	1 9	23 13	0 8	13 5	0 49	24 37	2 9	22 39	22 36	6 19	4 30	2 22
T 10	23 28	14 28	4 12	25 34	2 9	22 20	0 17	22 17	1 12	1 20	1 23	21 48	1 9	23 13	0 8	13 5	0 49	24 37	2 9	22 39	22 36	6 21	4 30	2 22
F 11	23 30	9 55	4 50	25 30	2 9	22 30	0 14	22 8	1 12	1 18	1 23	21 49	1 9	23 12	0 8	13 4	0 49	24 38	2 9	22 39	22 35	6 23	4 30	2 22
S 12	23 31	4 48	5 12	25 24	2 10	22 41	0 12	21 58	1 11	1 15	1 22	21 49	1 9	23 12	0 8	13 4	0 49	24 38	2 10	22 39	22 35	6 26	4 30	2 21
S 13	23 32	0n35	5 15	25 17	2 9	22 50	0 9	21 49	1 11	1 13	1 22	21 50	1 9	23 12	0 8	13 3	0 49	24 38	2 10	22 39	22 35	6 28	4 29	2 21
M14	23 33	5 58	4 59	25 8	2 8	22 59	0 7	21 39	1 11	1 11	1 22	21 51	1 9	23 12	0 8	13 3	0 49	24 38	2 10	22 39	22 34	6 31	4 29	2 21
T 15	23 32	11 3	4 25	24 57	2 7	23 8	0 4	21 29	1 11	1 8	1 21	21 51	1 9	23 12	0 8	13 2	0 49	24 39	2 10	22 39	22 34	6 33	4 29	2 21
W16	23 32	15 32	3 35	24 45	2 5	23 15	0 2	21 19	1 11	1 6	1 21	21 52	1 9	23 11	0 8	13 2	0 49	24 39	2 10	22 39	22 33	6 35	4 29	2 21
T 17	23 31	19 7	2 32	24 31	2 3	23 22	0s 1	21 8	1 10	1 3	1 21	21 53	1 9	23 11	0 8	13 1	0 49	24 39	2 10	22 39	22 33	6 38	4 29	2 20
F 18	23 29	21 33	1 20	24 15	2 0	23 28	0 3	20 57	1 10	1 1	1 21	21 53	1 8	23 11	0 8	13 1	0 48	24 39	2 10	22 39	22 33	6 40	4 29	2 20
S 19	23 28	22 38	0 4	23 58	1 56	23 33	0 5	20 46	1 10	0 58	1 20	21 54	1 8	23 11	0 8	13 0	0 48	24 40	2 10	22 39	22 32	6 43	4 29	2 20
S 20	23 25	22 20	1s11	23 39	1 51	23 38	0 8	20 35	1 10	0 55	1 20	21 55	1 8	23 11	0 8	13 0	0 48	24 40	2 10	22 39	22 32	6 45	4 29	2 20
M21	23 22	20 45	2 20	23 19	1 46	23 42	0 10	20 23	1 10	0 52	1 20	21 55	1 8	23 10	0 8	12 59	0 48	24 40	2 10	22 39	22 31	6 47	4 29	2 20
T 22	23 19	18 3	3 21	22 57	1 40	23 45	0 13	20 12	1 9	0 49	1 19	21 56	1 8	23 10	0 8	12 59	0 48	24 40	2 10	22 39	22 31	6 50	4 29	2 20
W23	23 15	14 32	4 10	22 34	1 33	23 48	0 15	20 0	1 9	0 46	1 19	21 56	1 8	23 10	0 8	12 58	0 48	24 41	2 10	22 38	22 31	6 52	4 30	2 19
T 24	23 11	10 26	4 45	22 9	1 25	23 49	0 17	19 48	1 9	0 43	1 19	21 57	1 8	23 10	0 8	12 57	0 48	24 41	2 11	22 38	22 30	6 54	4 30	2 19
F 25	23 6	5 59	5 6	21 44	1 17	23 50	0 20	19 35	1 9	0 40	1 19	21 58	1 8	23 10	0 8	12 57	0 48	24 41	2 11	22 37	22 30	6 57	4 30	2 19
S 26	23 1	1 23	5 13	21 18	1 7	23 50	0 22	19 23	1 8	0 37	1 18	21 58	1 8	23 9	0 8	12 56	0 48	24 41	2 11	22 37	22 30	6 59	4 30	2 19
S 27	22 55	3s12	5 7	20 51	0 57	23 50	0 24	19 10	1 8	0 34	1 18	21 59	1 8	23 9	0 8	12 56	0 48	24 41	2 11	22 37	22 29	7 1	4 30	2 19
M28	22 49	7 38	4 47	20 24	0 45	23 49	0 27	18 57	1 8	0 31	1 18	21 59	1 8	23 9	0 8	12 55	0 48	24 42	2 11	22 36	22 29	7 4	4 30	2 18
T 29	22 42	11 47	4 14	19 56	0 33	23 47	0 29	18 44	1 7	0 27	1 18	22 0	1 8	23 9	0 8	12 54	0 48	24 42	2 11	22 36	22 28	7 6	4 31	2 18
W30	22 35	15 30	3 31	19 29	0 19	23 44	0 31	18 30	1 7	0 24	1 17	22 0	1 8	23 9	0 8	12 54	0 48	24 42	2 11	22 36	22 28	7 8	4 31	2 18
T 31	22s28	18s38	2s38	19s 2	0s 4	23s40	0s33	18s17	1s 7	0s20	1s17	22s 1	1n 8	23n 8	0n 8	12s53	0s48	24n42	2n11	22s37	22s28	7s11	4n31	2n18

Julian Day Number = 2156770.5, Delta T = 13m37s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'12, Lahiri = 12°36'13 Julian Calendar 1 Dec. 1192 == Greg. Calendar 8 Dec. 1192

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

JANUARY 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 9 22	17♑57'58	26♏19	6♒17	11♑50	12♒59	2♈14	19♐52	18°R 3	28♒18	16°R19	14♐18	12♐58	7♎19	6♈ 4	F 1
S 2	7 13 19	18°59'03	8♐54	6°52	13° 5	13°47	2°23	19°58	18♊ 1	28°19	16♋17	14°R19	12°54	7°26	6° 6	S 2
S 3	7 17 15	20° 0'09	21°50	7°18	14°20	14°34	2°31	20° 5	17°59	28°21	16°16	14°19	12°51	7°32	6° 7	S 3
M 4	7 21 12	21° 1'13	5♑ 7	7°33	15°36	15°21	2°40	20°11	17°57	28°23	16°15	14°17	12°48	7°39	6° 8	M 4
T 5	7 25 8	22° 2'17	18°47	7°R38	16°51	16° 9	2°49	20°18	17°55	28°25	16°13	14°13	12°45	7°46	6°10	T 5
W 6	7 29 5	23° 3'20	2♒45	7°31	18° 7	16°56	2°57	20°24	17°53	28°27	16°12	14° 8	12°42	7°53	6°11	W 6
T 7	7 33 1	24° 4'22	16°58	7°12	19°22	17°43	3° 7	20°30	17°51	28°29	16°11	14° 1	12°39	7°59	6°13	T 7
F 8	7 36 58	25° 5'23	1♓21	6°43	20°37	18°30	3°16	20°37	17°49	28°31	16° 9	13°55	12°35	8° 6	6°14	F 8
S 9	7 40 54	26° 6'23	15°48	6° 2	21°53	19°18	3°25	20°43	17°47	28°33	16° 8	13°48	12°32	8°13	6°16	S 9
S 10	7 44 51	27° 7'21	0♈13	5°12	23° 8	20° 5	3°35	20°49	17°45	28°35	16° 7	13°44	12°29	8°19	6°18	S 10
M11	7 48 48	28° 8'18	14°31	4°13	24°23	20°52	3°44	20°55	17°43	28°37	16° 5	13°41	12°26	8°26	6°19	M11
T 12	7 52 44	29° 9'14	28°41	3° 8	25°39	21°39	3°54	21° 1	17°42	28°39	16° 4	13°D40	12°23	8°33	6°21	T 12
W13	7 56 41	0♒10'08	12♉40	1°57	26°54	22°27	4° 4	21° 7	17°40	28°41	16° 3	13°41	12°20	8°40	6°23	W13
T 14	8 0 37	1°11'02	26°27	0°44	28° 9	23°14	4°14	21°13	17°38	28°43	16° 2	13°42	12°16	8°46	6°25	T 14
F 15	8 4 34	2°11'53	10♊ 4	29♑30	29°24	24° 1	4°24	21°19	17°37	28°45	16° 0	13°R43	12°13	8°53	6°27	F 15
S 16	8 8 30	3°12'44	23°30	28°18	0♒40	24°48	4°34	21°25	17°35	28°47	15°59	13°42	12°10	9° 0	6°29	S 16
S 17	8 12 27	4°13'32	6♋46	27° 9	1°55	25°35	4°44	21°31	17°34	28°49	15°58	13°40	12° 7	9° 6	6°31	S 17
M18	8 16 23	5°14'20	19°50	26° 5	3°10	26°23	4°55	21°37	17°32	28°52	15°57	13°35	12° 4	9°13	6°33	M18
T 19	8 20 20	6°15'06	2♌43	25° 7	4°25	27°10	5° 5	21°42	17°31	28°54	15°55	13°27	12° 0	9°20	6°35	T 19
W20	8 24 17	7°15'51	15°24	24°16	5°41	27°57	5°16	21°48	17°29	28°56	15°54	13°18	11°57	9°27	6°37	W20
T 21	8 28 13	8°16'34	27°52	23°33	6°56	28°44	5°27	21°54	17°28	28°58	15°53	13° 7	11°54	9°33	6°39	T 21
F 22	8 32 10	9°17'16	10♍ 9	22°58	8°11	29°31	5°38	21°59	17°26	29° 0	15°52	12°57	11°51	9°40	6°42	F 22
S 23	8 36 6	10°17'57	22°15	22°31	9°26	0♓18	5°49	22° 5	17°25	29° 2	15°50	12°46	11°48	9°47	6°44	S 23
S 24	8 40 3	11°18'36	4♎12	22°12	10°41	1° 5	6° 0	22°10	17°24	29° 4	15°49	12°38	11°45	9°53	6°46	S 24
M25	8 43 59	12°19'15	16° 3	22° 1	11°57	1°52	6°11	22°16	17°23	29° 7	15°48	12°32	11°41	10° 0	6°49	M25
T 26	8 47 56	13°19'52	27°54	21°D57	13°12	2°39	6°22	22°21	17°22	29° 9	15°47	12°28	11°38	10° 7	6°51	T 26
W27	8 51 52	14°20'28	9♏47	22° 1	14°27	3°26	6°33	22°26	17°20	29°11	15°46	12°D27	11°35	10°13	6°54	W27
T 28	8 55 49	15°21'02	21°48	22°11	15°42	4°13	6°45	22°31	17°19	29°13	15°45	12°27	11°32	10°20	6°56	T 28
F 29	8 59 46	16°21'36	4♐ 4	22°27	16°57	5° 0	6°56	22°36	17°18	29°16	15°44	12°28	11°29	10°27	6°59	F 29
S 30	9 3 42	17°22'08	16°38	22°50	18°12	5°47	7° 8	22°41	17°18	29°18	15°42	12°R28	11°26	10°34	7° 1	S 30
S 31	9 7 39	18♒22'39	29♐35	23♑17	19♒27	6♓34	7♈20	22♐46	17♊17	29♒20	15♋41	12♐26	11♐22	10♎40	7♈ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s20	20s59	1s37	18s36	0n11	23s36	0s36	18s 3	1s 7	0s17	1s17	22s 1	1n 8	23n 8	0n 8	12s52	0s48	24n43	2n11	22s37	22s27	7s13	4n32	2n18
S 2	22 12	22 22	0 30	18 12	0 27	23 31	0 38	17 49	1 6	0 13	1 17	22 2	1 8	23 8	0 8	12 52	0 48	24 43	2 11	22 37	22 27	7 15	4 32	2 17
S 3	22 3	22 37	0n41	17 49	0 44	23 26	0 40	17 35	1 6	0 10	1 16	22 2	1 8	23 8	0 8	12 51	0 48	24 43	2 11	22 37	22 26	7 18	4 32	2 17
M 4	21 54	21 36	1 51	17 28	1 2	23 19	0 42	17 21	1 6	0 6	1 16	22 3	1 8	23 8	0 8	12 50	0 48	24 43	2 11	22 37	22 26	7 20	4 33	2 17
T 5	21 44	19 19	2 56	17 9	1 20	23 12	0 44	17 6	1 5	0 2	1 16	22 3	1 8	23 8	0 8	12 50	0 48	24 44	2 11	22 36	22 25	7 22	4 33	2 17
W 6	21 34	15 51	3 53	16 53	1 38	23 4	0 46	16 52	1 5	0n 2	1 16	22 4	1 8	23 7	0 8	12 49	0 48	24 44	2 11	22 36	22 25	7 25	4 33	2 17
T 7	21 23	11 26	4 36	16 40	1 57	22 56	0 48	16 37	1 5	0 5	1 15	22 4	1 8	23 7	0 8	12 48	0 48	24 44	2 11	22 35	22 25	7 27	4 34	2 16
F 8	21 12	6 20	5 2	16 31	2 14	22 47	0 50	16 22	1 4	0 9	1 15	22 5	1 8	23 7	0 8	12 48	0 48	24 44	2 12	22 34	22 24	7 29	4 34	2 16
S 9	21 1	0 53	5 9	16 24	2 31	22 37	0 52	16 7	1 4	0 13	1 15	22 5	1 8	23 7	0 8	12 47	0 48	24 44	2 12	22 33	22 24	7 32	4 35	2 16
S 10	20 49	4n37	4 57	16 21	2 47	22 26	0 54	15 51	1 4	0 17	1 15	22 5	1 8	23 7	0 8	12 46	0 48	24 45	2 12	22 33	22 23	7 34	4 35	2 16
M11	20 37	9 50	4 26	16 21	3 1	22 15	0 56	15 36	1 3	0 21	1 14	22 6	1 8	23 7	0 8	12 46	0 48	24 45	2 12	22 32	22 23	7 36	4 36	2 16
T 12	20 25	14 27	3 39	16 24	3 13	22 3	0 57	15 20	1 3	0 25	1 14	22 6	1 8	23 6	0 8	12 45	0 48	24 45	2 12	22 32	22 23	7 39	4 36	2 16
W13	20 12	18 14	2 40	16 30	3 24	21 50	0 59	15 4	1 2	0 30	1 14	22 7	1 8	23 6	0 8	12 44	0 48	24 45	2 12	22 32	22 22	7 41	4 37	2 15
T 14	19 59	20 56	1 32	16 38	3 32	21 37	1 1	14 49	1 2	0 34	1 14	22 7	1 8	23 6	0 8	12 43	0 48	24 46	2 12	22 33	22 22	7 43	4 38	2 15
F 15	19 45	22 23	0 20	16 48	3 37	21 23	1 2	14 32	1 2	0 38	1 13	22 8	1 8	23 6	0 8	12 43	0 48	24 46	2 12	22 33	22 21	7 46	4 38	2 15
S 16	19 31	22 30	0s53	17 0	3 40	21 8	1 4	14 16	1 1	0 42	1 13	22 8	1 8	23 6	0 8	12 42	0 48	24 46	2 12	22 33	22 21	7 48	4 39	2 15
S 17	19 17	21 22	2 1	17 13	3 41	20 53	1 6	14 0	1 1	0 46	1 13	22 8	1 8	23 6	0 8	12 41	0 48	24 46	2 12	22 32	22 21	7 50	4 39	2 15
M18	19 2	19 5	3 2	17 26	3 39	20 37	1 7	13 44	1 0	0 51	1 13	22 9	1 8	23 6	0 8	12 41	0 48	24 46	2 12	22 32	22 20	7 52	4 40	2 14
T 19	18 47	15 52	3 52	17 40	3 35	20 21	1 9	13 27	1 0	0 55	1 13	22 9	1 8	23 5	0 8	12 40	0 48	24 47	2 12	22 31	22 20	7 55	4 41	2 14
W20	18 32	11 59	4 30	17 55	3 30	20 4	1 10	13 10	1 0	1 0	1 12	22 9	1 8	23 5	0 8	12 39	0 48	24 47	2 12	22 30	22 19	7 57	4 41	2 14
T 21	18 16	7 40	4 54	18 9	3 23	19 46	1 11	12 53	0 59	1 4	1 12	22 10	1 8	23 5	0 8	12 38	0 48	24 47	2 12	22 28	22 19	7 59	4 42	2 14
F 22	18 1	3 6	5 4	18 23	3 14	19 28	1 13	12 36	0 59	1 9	1 12	22 10	1 8	23 5	0 8	12 38	0 48	24 47	2 12	22 27	22 18	8 2	4 43	2 14
S 23	17 44	1s31	5 1	18 37	3 5	19 9	1 14	12 19	0 58	1 13	1 12	22 10	1 8	23 5	0 8	12 37	0 48	24 47	2 12	22 26	22 18	8 4	4 44	2 14
S 24	17 28	6 0	4 44	18 50	2 54	18 50	1 15	12 2	0 58	1 18	1 12	22 11	1 8	23 5	0 8	12 36	0 48	24 47	2 12	22 25	22 18	8 6	4 44	2 13
M25	17 11	10 15	4 15	19 3	2 43	18 30	1 16	11 45	0 57	1 22	1 11	22 11	1 8	23 5	0 8	12 35	0 48	24 48	2 12	22 24	22 17	8 8	4 45	2 13
T 26	16 53	14 6	3 35	19 15	2 32	18 10	1 17	11 28	0 57	1 27	1 11	22 11	1 8	23 5	0 8	12 34	0 48	24 48	2 12	22 23	22 17	8 11	4 46	2 13
W27	16 36	17 25	2 45	19 26	2 20	17 49	1 18	11 10	0 57	1 32	1 11	22 11	1 8	23 4	0 8	12 34	0 48	24 48	2 13	22 23	22 16	8 13	4 47	2 13
T 28	16 18	20 2	1 48	19 36	2 8	17 28	1 19	10 53	0 56	1 36	1 11	22 12	1 8	23 4	0 8	12 33	0 48	24 48	2 13	22 23	22 16	8 15	4 48	2 13
F 29	16 0	21 47	0 45	19 46	1 56	17 6	1 20	10 35	0 56	1 41	1 11	22 12	1 8	23 4	0 8	12 32	0 48	24 48	2 13	22 23	22 15	8 17	4 49	2 13
S 30	15 42	22 30	0n22	19 54	1 43	16 43	1 21	10 17	0 55	1 46	1 10	22 12	1 8	23 4	0 8	12 31	0 48	24 49	2 13	22 23	22 15	8 20	4 50	2 13
S 31	15s23	22s 3	1n30	20s 2	1n31	16s21	1s22	9s59	0s55	1n51	1s10	22s12	1n 8	23n 4	0n 8	12s31	0s48	24n49	2n13	22s23	22s15	8s22	4n50	2n12

Julian Day Number = 2156801.5, Delta T = 13m37s
Ecliptic obliquity = 23°32'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'16, Lahiri = 12°36'17 Julian Calendar 1 Jan. 1193 == Greg. Calendar 8 Jan. 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

FEBRUARY 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 11 35	19♒23'08	12♉59	23♉50	20♒42	7♓20	7♈32	22♐51	17°R16	29♒22	15°R40	12°R23	11♐19	10♎47	7♈ 7	M 1
T 2	9 15 32	20°23'36	26°50	24°27	21°57	8° 7	7°44	22°56	17♊15	29°24	15♋39	12♐16	11°16	10°54	7° 9	T 2
W 3	9 19 28	21°24'02	11♒ 6	25° 9	23°13	8°54	7°56	23° 1	17°14	29°27	15°38	12° 7	11°13	11° 0	7°12	W 3
T 4	9 23 25	22°24'27	25°44	25°54	24°28	9°41	8° 8	23° 6	17°14	29°29	15°37	11°57	11°10	11° 7	7°15	T 4
F 5	9 27 21	23°24'50	10♓34	26°43	25°43	10°28	8°20	23°10	17°13	29°31	15°36	11°46	11° 6	11°14	7°18	F 5
S 6	9 31 18	24°25'11	25°29	27°36	26°58	11°14	8°32	23°15	17°12	29°34	15°35	11°35	11° 3	11°21	7°20	S 6
S 7	9 35 15	25°25'30	10♈19	28°31	28°13	12° 1	8°44	23°19	17°12	29°36	15°34	11°27	11° 0	11°27	7°23	S 7
M 8	9 39 11	26°25'47	24°57	29°30	29°28	12°48	8°57	23°24	17°11	29°38	15°33	11°21	10°57	11°34	7°26	M 8
T 9	9 43 8	27°26'02	9♉18	0♒31	0♓43	13°34	9° 9	23°28	17°11	29°40	15°32	11°17	10°54	11°41	7°29	T 9
W10	9 47 4	28°26'15	23°20	1°34	1°58	14°21	9°22	23°32	17°11	29°43	15°31	11°D16	10°51	11°47	7°32	W10
T 11	9 51 1	29°26'26	7♊ 2	2°40	3°12	15° 7	9°35	23°37	17°10	29°45	15°30	11°R16	10°47	11°54	7°35	T 11
F 12	9 54 57	0♓26'34	20°27	3°48	4°27	15°54	9°47	23°41	17°10	29°47	15°30	11°16	10°44	12° 1	7°38	F 12
S 13	9 58 54	1°26'41	3♋37	4°58	5°42	16°40	10° 0	23°45	17°10	29°49	15°29	11°15	10°41	12° 7	7°41	S 13
S 14	10 2 50	2°26'45	16°32	6°11	6°57	17°27	10°13	23°49	17°10	29°52	15°28	11°10	10°38	12°14	7°44	S 14
M15	10 6 47	3°26'48	29°16	7°25	8°12	18°13	10°26	23°52	17° 9	29°54	15°27	11° 3	10°35	12°21	7°47	M15
T 16	10 10 44	4°26'48	11♌50	8°40	9°27	18°59	10°39	23°56	17°D 9	29°56	15°26	10°53	10°32	12°28	7°51	T 16
W17	10 14 40	5°26'46	24°14	9°58	10°42	19°46	10°52	24° 0	17° 9	29°59	15°25	10°41	10°28	12°34	7°54	W17
T 18	10 18 37	6°26'42	6♍29	11°17	11°56	20°32	11° 5	24° 4	17° 9	0♓ 1	15°25	10°27	10°25	12°41	7°57	T 18
F 19	10 22 33	7°26'36	18°37	12°38	13°11	21°18	11°18	24° 7	17°10	0° 3	15°24	10°12	10°22	12°48	8° 0	F 19
S 20	10 26 30	8°26'28	0♎37	14° 0	14°26	22° 4	11°31	24°11	17°10	0° 5	15°23	9°59	10°19	12°54	8° 3	S 20
S 21	10 30 26	9°26'19	12°31	15°24	15°41	22°51	11°44	24°14	17°10	0° 8	15°22	9°47	10°16	13° 1	8° 7	S 21
M22	10 34 23	10°26'07	24°21	16°49	16°55	23°37	11°58	24°17	17°10	0°10	15°22	9°38	10°12	13° 8	8°10	M22
T 23	10 38 19	11°25'54	6♏10	18°15	18°10	24°23	12°11	24°20	17°11	0°12	15°21	9°31	10° 9	13°14	8°13	T 23
W24	10 42 16	12°25'39	18° 2	19°43	19°25	25° 9	12°24	24°24	17°11	0°14	15°20	9°28	10° 6	13°21	8°17	W24
T 25	10 46 13	13°25'22	0♐ 2	21°12	20°39	25°55	12°38	24°27	17°11	0°17	15°20	9°27	10° 3	13°28	8°20	T 25
F 26	10 50 9	14°25'03	12°14	22°43	21°54	26°41	12°51	24°29	17°12	0°19	15°19	9°27	10° 0	13°35	8°23	F 26
S 27	10 54 6	15°24'43	24°44	24°15	23° 9	27°27	13° 5	24°32	17°12	0°21	15°19	9°26	9°57	13°41	8°27	S 27
S 28	10 58 2	16♓24'21	7♉38	25♒48	24♓23	28♓13	13♈19	24♐35	17♊13	0♓23	15♋18	9♐25	9♐53	13♎48	8♈30	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 4	20s20	2n35	20s 8	1n19	15s57	1s22	9s41	0s54	1n56	1s10	22s13	1n 8	23n 4	0n 8	12s30	0s48	24n49	2n13	22s23	22s14	8s24	4n51	2n12
T 2	14 45	17 24	3 33	20 13	1 7	15 34	1 23	9 23	0 54	2 1	1 10	22 13	1 8	23 4	0 8	12 29	0 48	24 49	2 13	22 22	22 14	8 27	4 52	2 12
W 3	14 26	13 22	4 19	20 17	0 56	15 9	1 24	9 5	0 53	2 5	1 10	22 13	1 8	23 4	0 8	12 28	0 48	24 49	2 13	22 21	22 13	8 29	4 53	2 12
T 4	14 6	8 27	4 50	20 20	0 44	14 45	1 24	8 47	0 53	2 10	1 10	22 13	1 8	23 4	0 8	12 27	0 48	24 49	2 13	22 19	22 13	8 31	4 54	2 12
F 5	13 46	2 59	5 2	20 22	0 33	14 20	1 25	8 29	0 52	2 15	1 9	22 14	1 8	23 4	0 8	12 27	0 48	24 50	2 13	22 18	22 12	8 33	4 55	2 12
S 6	13 26	2n40	4 53	20 22	0 22	13 55	1 25	8 11	0 52	2 20	1 9	22 14	1 8	23 4	0 8	12 26	0 48	24 50	2 13	22 16	22 12	8 35	4 56	2 11
S 7	13 6	8 9	4 25	20 21	0 12	13 29	1 25	7 52	0 51	2 25	1 9	22 14	1 9	23 4	0 8	12 25	0 48	24 50	2 13	22 15	22 11	8 38	4 57	2 11
M 8	12 46	13 6	3 39	20 20	0 1	13 3	1 26	7 34	0 51	2 30	1 9	22 14	1 9	23 4	0 8	12 24	0 48	24 50	2 13	22 14	22 11	8 40	4 58	2 11
T 9	12 25	17 11	2 41	20 16	0s 9	12 36	1 26	7 16	0 50	2 35	1 9	22 14	1 9	23 4	0 8	12 23	0 48	24 50	2 13	22 14	22 11	8 42	4 59	2 11
W10	12 4	20 12	1 34	20 12	0 18	12 10	1 26	6 57	0 50	2 41	1 9	22 15	1 9	23 4	0 8	12 23	0 48	24 50	2 13	22 14	22 10	8 44	5 0	2 11
T 11	11 43	21 57	0 22	20 6	0 28	11 43	1 26	6 39	0 49	2 46	1 8	22 15	1 9	23 4	0 8	12 22	0 48	24 50	2 13	22 14	22 10	8 47	5 1	2 11
F 12	11 22	22 24	0s48	19 59	0 37	11 15	1 26	6 20	0 49	2 51	1 8	22 15	1 9	23 4	0 8	12 21	0 48	24 50	2 13	22 14	22 9	8 49	5 2	2 11
S 13	11 0	21 34	1 55	19 50	0 45	10 48	1 26	6 1	0 48	2 56	1 8	22 15	1 9	23 3	0 8	12 20	0 48	24 51	2 13	22 13	22 9	8 51	5 4	2 11
S 14	10 39	19 37	2 55	19 40	0 53	10 20	1 26	5 43	0 48	3 1	1 8	22 15	1 9	23 3	0 8	12 19	0 48	24 51	2 13	22 13	22 8	8 53	5 5	2 10
M15	10 17	16 44	3 45	19 29	1 1	9 52	1 26	5 24	0 47	3 6	1 8	22 15	1 9	23 3	0 8	12 19	0 48	24 51	2 13	22 12	22 8	8 56	5 6	2 10
T 16	9 55	13 7	4 23	19 17	1 9	9 23	1 26	5 5	0 47	3 12	1 8	22 15	1 9	23 3	0 8	12 18	0 48	24 51	2 13	22 10	22 7	8 58	5 7	2 10
W17	9 33	8 59	4 48	19 3	1 16	8 54	1 25	4 47	0 46	3 17	1 8	22 16	1 9	23 3	0 8	12 17	0 48	24 51	2 13	22 9	22 7	9 0	5 8	2 10
T 18	9 11	4 32	4 59	18 47	1 23	8 25	1 25	4 28	0 45	3 22	1 7	22 16	1 9	23 3	0 8	12 16	0 48	24 51	2 13	22 7	22 6	9 2	5 9	2 10
F 19	8 49	0s 1	4 56	18 31	1 29	7 56	1 25	4 9	0 45	3 27	1 7	22 16	1 9	23 3	0 8	12 15	0 48	24 51	2 13	22 5	22 6	9 4	5 10	2 10
S 20	8 26	4 32	4 41	18 13	1 35	7 27	1 24	3 50	0 44	3 33	1 7	22 16	1 9	23 4	0 8	12 15	0 48	24 51	2 13	22 3	22 6	9 7	5 12	2 10
S 21	8 4	8 50	4 13	17 54	1 41	6 57	1 24	3 31	0 44	3 38	1 7	22 16	1 9	23 4	0 8	12 14	0 48	24 52	2 13	22 1	22 5	9 9	5 13	2 10
M22	7 41	12 48	3 34	17 33	1 46	6 28	1 23	3 13	0 43	3 43	1 7	22 16	1 9	23 4	0 8	12 13	0 49	24 52	2 13	21 59	22 5	9 11	5 14	2 9
T 23	7 18	16 15	2 46	17 11	1 51	5 58	1 22	2 54	0 43	3 49	1 7	22 16	1 9	23 4	0 8	12 12	0 49	24 52	2 13	21 59	22 4	9 13	5 15	2 9
W24	6 56	19 3	1 51	16 47	1 55	5 28	1 22	2 35	0 42	3 54	1 7	22 16	1 9	23 4	0 8	12 12	0 49	24 52	2 13	21 58	22 4	9 15	5 16	2 9
T 25	6 33	21 3	0 50	16 22	1 59	4 57	1 21	2 16	0 42	3 59	1 7	22 16	1 9	23 4	0 8	12 11	0 49	24 52	2 13	21 58	22 3	9 17	5 18	2 9
F 26	6 10	22 7	0n15	15 56	2 3	4 27	1 20	1 57	0 41	4 5	1 6	22 17	1 9	23 4	0 8	12 10	0 49	24 52	2 13	21 58	22 3	9 20	5 19	2 9
S 27	5 46	22 6	1 20	15 29	2 6	3 56	1 19	1 38	0 40	4 10	1 6	22 17	1 9	23 4	0 8	12 9	0 49	24 52	2 13	21 58	22 2	9 22	5 20	2 9
S 28	5s23	20s56	2n23	15s 0	2s 9	3s26	1s18	1s19	0s40	4n16	1s 6	22s17	1n 9	23n 4	0n 8	12s 8	0s49	24n52	2n13	21s58	22s 2	9s24	5n21	2n 9

Julian Day Number = 2156832.5, Delta T = 13m36s
Ecliptic obliquity = 23°32'35, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'21, Lahiri = 12°36'21 Julian Calendar 1 Feb. 1193 == Greg. Calendar 8 Feb. 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

MARCH 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 1 59	17♓23'57	20♉58	27♒22	25♓38	28♓59	13♈32	24♐38	17♊14	0♓25	15°R18	9°R22	9♐50	13♎55	8♈34	M 1
T 2	11 5 55	18°23'31	4♒48	28°58	26°52	29°44	13°46	24°40	17°14	0°28	15♋17	9♐15	9°47	14° 1	8°37	T 2
W 3	11 9 52	19°23'04	19° 8	0♓35	28° 7	0♈30	14° 0	24°43	17°15	0°30	15°17	9° 7	9°44	14° 8	8°41	W 3
T 4	11 13 48	20°22'34	3♓53	2°14	29°21	1°16	14°13	24°45	17°16	0°32	15°16	8°56	9°41	14°15	8°44	T 4
F 5	11 17 45	21°22'03	18°58	3°53	0♈36	2° 1	14°27	24°47	17°17	0°34	15°16	8°45	9°37	14°21	8°48	F 5
S 6	11 21 41	22°21'29	4♈11	5°34	1°50	2°47	14°41	24°50	17°18	0°36	15°15	8°34	9°34	14°28	8°51	S 6
S 7	11 25 38	23°20'54	19°21	7°16	3° 5	3°33	14°55	24°52	17°19	0°38	15°15	8°25	9°31	14°35	8°55	S 7
M 8	11 29 35	24°20'16	4♉20	9° 0	4°19	4°18	15° 9	24°54	17°20	0°41	15°15	8°19	9°28	14°42	8°58	M 8
T 9	11 33 31	25°19'36	18°59	10°45	5°34	5° 4	15°23	24°56	17°21	0°43	15°14	8°16	9°25	14°48	9° 2	T 9
W10	11 37 28	26°18'53	3♊14	12°31	6°48	5°49	15°37	24°57	17°22	0°45	15°14	8°D14	9°22	14°55	9° 5	W10
T 11	11 41 24	27°18'08	17° 4	14°19	8° 3	6°35	15°51	24°59	17°23	0°47	15°14	8°14	9°18	15° 2	9° 9	T 11
F 12	11 45 21	28°17'21	0♋30	16° 8	9°17	7°20	16° 5	25° 1	17°24	0°49	15°13	8°R15	9°15	15° 8	9°12	F 12
S 13	11 49 17	29°16'32	13°35	17°58	10°31	8° 5	16°19	25° 2	17°25	0°51	15°13	8°14	9°12	15°15	9°16	S 13
S 14	11 53 14	0♈15'40	26°22	19°50	11°45	8°51	16°33	25° 4	17°27	0°53	15°13	8°11	9° 9	15°22	9°20	S 14
M15	11 57 10	1°14'46	8♌54	21°43	13° 0	9°36	16°47	25° 5	17°28	0°55	15°13	8° 5	9° 6	15°28	9°23	M15
T 16	12 1 7	2°13'49	21°14	23°38	14°14	10°21	17° 1	25° 6	17°30	0°57	15°13	7°57	9° 3	15°35	9°27	T 16
W17	12 5 4	3°12'50	3♍25	25°34	15°28	11° 6	17°15	25° 7	17°31	0°59	15°12	7°47	8°59	15°42	9°30	W17
T 18	12 9 0	4°11'49	15°29	27°31	16°42	11°51	17°30	25° 8	17°32	1° 1	15°12	7°35	8°56	15°48	9°34	T 18
F 19	12 12 57	5°10'46	27°28	29°30	17°56	12°36	17°44	25° 9	17°34	1° 3	15°12	7°23	8°53	15°55	9°38	F 19
S 20	12 16 53	6° 9'40	9♎22	1♈30	19°11	13°21	17°58	25°10	17°36	1° 5	15°12	7°11	8°50	16° 2	9°41	S 20
S 21	12 20 50	7° 8'33	21°13	3°31	20°25	14° 6	18°12	25°11	17°37	1° 7	15°12	7° 2	8°47	16° 9	9°45	S 21
M22	12 24 46	8° 7'24	3♏ 3	5°33	21°39	14°51	18°27	25°12	17°39	1° 9	15°D12	6°54	8°43	16°15	9°49	M22
T 23	12 28 43	9° 6'12	14°54	7°37	22°53	15°36	18°41	25°12	17°41	1°11	15°12	6°49	8°40	16°22	9°52	T 23
W24	12 32 39	10° 4'59	26°48	9°41	24° 7	16°21	18°55	25°13	17°43	1°13	15°12	6°47	8°37	16°29	9°56	W24
T 25	12 36 36	11° 3'44	8♐50	11°46	25°21	17° 5	19° 9	25°13	17°44	1°15	15°12	6°D46	8°34	16°35	9°59	T 25
F 26	12 40 33	12° 2'28	21° 4	13°52	26°35	17°50	19°24	25°13	17°46	1°16	15°12	6°47	8°31	16°42	10° 3	F 26
S 27	12 44 29	13° 1'10	3♑33	15°59	27°49	18°35	19°38	25°13	17°48	1°18	15°12	6°48	8°28	16°49	10° 7	S 27
S 28	12 48 26	13°59'49	16°23	18° 6	29° 3	19°19	19°52	25°R13	17°50	1°20	15°13	6°R48	8°24	16°55	10°10	S 28
M29	12 52 22	14°58'28	29°38	20°12	0♉16	20° 4	20° 7	25°13	17°52	1°22	15°13	6°47	8°21	17° 2	10°14	M29
T 30	12 56 19	15°57'04	13♒21	22°19	1°30	20°48	20°21	25°13	17°54	1°24	15°13	6°44	8°18	17° 9	10°18	T 30
W31	13 0 15	16♈55'39	27♒32	24♈25	2♉44	21♈33	20♈35	25♐13	17♊56	1♓25	15♋13	6♐39	8♐15	17♎16	10♈21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	5s 0	18s36	3n21	14s29	2s11	2s55	1s17	1s 1	0s39	4n21	1s 6	22s17	1n 9	23n 4	0n 8	12s 8	0s49	24n52	2n13	21s57	22s 1	9s26	5n23	2n 9	
T 2	4 37	15 7	4 9	13 58	2 13	2 24	1 16	0 42	0 39	4 26	1 6	22 17	1 9	23 4	0 8	12 7	0 49	24 52	2 13	21 56	22 1	9 28	5 24	2 9	
W 3	4 13	10 40	4 43	13 24	2 15	1 54	1 15	0 23	0 38	4 32	1 6	22 17	1 9	23 4	0 8	12 6	0 49	24 52	2 13	21 55	22 0	9 31	5 25	2 8	
T 4	3 50	5 28	5 0	12 50	2 16	1 23	1 14	0 4	0 37	4 37	1 6	22 17	1 9	23 4	0 8	12 5	0 49	24 52	2 13	21 53	22 0	9 33	5 26	2 8	
F 5	3 26	0n 9	4 56	12 14	2 16	0 52	1 12	0n15	0 37	4 43	1 6	22 17	1 10	23 4	0 8	12 5	0 49	24 53	2 13	21 51	21 59	9 35	5 28	2 8	
S 6	3 3	5 49	4 32	11 37	2 16	0 21	1 11	0 33	0 36	4 48	1 6	22 17	1 10	23 4	0 8	12 4	0 49	24 53	2 13	21 50	21 59	9 37	5 29	2 8	
S 7	2 39	11 7	3 48	10 59	2 16	0n10	1 10	0 52	0 36	4 54	1 5	22 17	1 10	23 4	0 8	12 3	0 49	24 53	2 14	21 48	21 58	9 39	5 30	2 8	
M 8	2 16	15 40	2 49	10 19	2 15	0 41	1 8	1 11	0 35	4 59	1 5	22 17	1 10	23 4	0 8	12 2	0 49	24 53	2 14	21 47	21 58	9 41	5 32	2 8	
T 9	1 52	19 9	1 40	9 38	2 14	1 12	1 7	1 30	0 35	5 5	1 5	22 17	1 10	23 5	0 8	12 2	0 49	24 53	2 14	21 47	21 57	9 43	5 33	2 8	
W10	1 28	21 20	0 27	8 55	2 12	1 43	1 5	1 48	0 34	5 10	1 5	22 17	1 10	23 5	0 8	12 1	0 49	24 53	2 14	21 47	21 57	9 46	5 34	2 8	
T 11	1 5	22 8	0s47	8 11	2 10	2 14	1 3	2 7	0 33	5 16	1 5	22 17	1 10	23 5	0 8	12 0	0 49	24 53	2 14	21 47	21 57	9 48	5 36	2 8	
F 12	0 41	21 37	1 55	7 26	2 7	2 45	1 2	2 25	0 33	5 21	1 5	22 17	1 10	23 5	0 8	12 0	0 49	24 53	2 14	21 47	21 56	9 50	5 37	2 8	
S 13	0 17	19 56	2 56	6 40	2 3	3 16	1 0	2 44	0 32	5 27	1 5	22 17	1 10	23 5	0 8	11 59	0 49	24 53	2 14	21 46	21 56	9 52	5 38	2 8	
S 14	0n 6	17 16	3 46	5 52	2 0	3 46	0 58	3 2	0 32	5 32	1 5	22 17	1 10	23 5	0 8	11 58	0 49	24 53	2 14	21 46	21 55	9 54	5 40	2 7	
M15	0 30	13 51	4 25	5 4	1 55	4 17	0 57	3 21	0 31	5 38	1 5	22 17	1 10	23 5	0 8	11 57	0 49	24 53	2 14	21 45	21 55	9 56	5 41	2 7	
T 16	0 53	9 54	4 50	4 14	1 50	4 48	0 55	3 39	0 30	5 43	1 5	22 17	1 10	23 5	0 8	11 57	0 49	24 53	2 14	21 44	21 54	9 58	5 42	2 7	
W17	1 17	5 36	5 2	3 23	1 45	5 18	0 53	3 57	0 30	5 49	1 5	22 17	1 10	23 6	0 8	11 56	0 49	24 53	2 14	21 42	21 54	10 1	5 44	2 7	
T 18	1 40	1 8	5 0	2 30	1 39	5 49	0 51	4 16	0 29	5 54	1 4	22 17	1 10	23 6	0 8	11 55	0 49	24 53	2 14	21 40	21 53	10 3	5 45	2 7	
F 19	2 4	3s20	4 45	1 37	1 33	6 19	0 49	4 34	0 28	6 0	1 4	22 17	1 10	23 6	0 8	11 55	0 49	24 53	2 14	21 38	21 53	10 5	5 47	2 7	
S 20	2 27	7 40	4 17	0 43	1 26	6 49	0 47	4 52	0 28	6 5	1 4	22 17	1 10	23 6	0 8	11 54	0 49	24 53	2 14	21 36	21 52	10 7	5 48	2 7	
S 21	2 51	11 41	3 38	0n12	1 18	7 19	0 45	5 10	0 27	6 11	1 4	22 17	1 10	23 6	0 8	11 53	0 49	24 53	2 14	21 35	21 52	10 9	5 49	2 7	
M22	3 14	15 15	2 50	1 8	1 10	7 49	0 43	5 28	0 27	6 16	1 4	22 17	1 10	23 6	0 8	11 53	0 49	24 53	2 14	21 33	21 51	10 11	5 51	2 7	
T 23	3 37	18 12	1 54	2 5	1 2	8 18	0 41	5 46	0 26	6 22	1 4	22 17	1 10	23 7	0 8	11 52	0 49	24 53	2 14	21 33	21 51	10 13	5 52	2 7	
W24	4 1	20 23	0 53	3 2	0 53	8 48	0 38	6 4	0 25	6 27	1 4	22 17	1 10	23 7	0 8	11 51	0 49	24 53	2 14	21 32	21 50	10 15	5 53	2 7	
T 25	4 24	21 41	0n11	4 0	0 44	9 17	0 36	6 22	0 25	6 33	1 4	22 17	1 10	23 7	0 8	11 51	0 49	24 53	2 14	21 32	21 50	10 17	5 55	2 7	
F 26	4 47	21 58	1 16	4 58	0 34	9 46	0 34	6 39	0 24	6 38	1 4	22 17	1 10	23 7	0 8	11 50	0 49	24 53	2 14	21 32	21 49	10 19	5 56	2 7	
S 27	5 10	21 11	2 19	5 57	0 24	10 15	0 32	6 57	0 24	6 44	1 4	22 17	1 11	23 7	0 8	11 49	0 49	24 53	2 14	21 32	21 49	10 22	5 58	2 7	
S 28	5 33	19 17	3 17	6 55	0 13	10 43	0 29	7 14	0 23	6 49	1 4	22 17	1 11	23 7	0 8	11 49	0 49	24 53	2 14	21 32	21 48	10 24	5 59	2 6	
M29	5 55	16 19	4 6	7 53	0 3	11 12	0 27	7 32	0 22	6 55	1 4	22 17	1 11	23 8	0 8	11 48	0 49	24 53	2 14	21 32	21 48	10 26	6 0	2 6	
T 30	6 18	12 22	4 43	8 51	0n 8	11 40	0 25	7 49	0 22	7 0	1 4	22 17	1 11	23 8	0 8	11 48	0 49	24 53	2 14	21 32	21 47	10 28	6 2	2 6	
W31	6n41	7s37	5n 4	9n48	0n19	12n 8	0s22	8n 7	0s21	7n 6	1s 4	22s17	1n11	23n 8	0n 8	11s47	0s49	24n53	2n14	21s31	21s47	10s30	6n 3	2n 6	

Julian Day Number = 2156860.5, Delta T = 13m36s
Ecliptic obliquity = 23°32'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'24, Lahiri = 12°36'25 Julian Calendar 1 March 1193 == Greg. Calendar 8 March 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

APRIL 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 12	17♈54'12	12♓11	26♈30	3♉58	22♈17	20♈50	25°R13	17♊58	1♓27	15♋13	6°R32	8♐12	17♎22	10♈25	T 1
F 2	13 8 8	18°52'43	27°12	28°34	5°12	23° 1	21° 4	25♐12	18° 1	1°29	15°14	6♐25	8° 8	17°29	10°29	F 2
S 3	13 12 5	19°51'13	12♈25	0♉37	6°25	23°46	21°19	25°12	18° 3	1°30	15°14	6°18	8° 5	17°36	10°32	S 3
S 4	13 16 1	20°49'40	27°42	2°38	7°39	24°30	21°33	25°11	18° 5	1°32	15°14	6°12	8° 2	17°42	10°36	S 4
M 5	13 19 58	21°48'06	12♉51	4°37	8°53	25°14	21°47	25°10	18° 7	1°34	15°15	6° 8	7°59	17°49	10°39	M 5
T 6	13 23 55	22°46'30	27°43	6°33	10° 7	25°58	22° 2	25° 9	18°10	1°35	15°15	6° 6	7°56	17°56	10°43	T 6
W 7	13 27 51	23°44'52	12♊11	8°27	11°20	26°42	22°16	25° 9	18°12	1°37	15°15	6°D 6	7°53	18° 2	10°47	W 7
T 8	13 31 48	24°43'12	26°12	10°18	12°34	27°26	22°30	25° 8	18°15	1°38	15°16	6° 7	7°49	18° 9	10°50	T 8
F 9	13 35 44	25°41'29	9♋47	12° 5	13°47	28°10	22°45	25° 6	18°17	1°40	15°16	6° 9	7°46	18°16	10°54	F 9
S 10	13 39 41	26°39'45	22°57	13°50	15° 1	28°54	22°59	25° 5	18°20	1°41	15°17	6°R10	7°43	18°22	10°57	S 10
S 11	13 43 37	27°37'58	5♌44	15°30	16°15	29°38	23°13	25° 4	18°22	1°43	15°17	6° 9	7°40	18°29	11° 1	S 11
M12	13 47 34	28°36'09	18°13	17° 7	17°28	0♉22	23°28	25° 3	18°25	1°44	15°18	6° 7	7°37	18°36	11° 4	M12
T 13	13 51 31	29°34'19	0♍28	18°40	18°42	1° 6	23°42	25° 1	18°27	1°46	15°18	6° 4	7°34	18°42	11° 8	T 13
W14	13 55 27	0♉32'26	12°33	20°10	19°55	1°49	23°56	24°59	18°30	1°47	15°19	5°59	7°30	18°49	11°11	W14
T 15	13 59 24	1°30'31	24°30	21°35	21° 8	2°33	24°11	24°58	18°33	1°49	15°20	5°53	7°27	18°56	11°15	T 15
F 16	14 3 20	2°28'34	6♎23	22°56	22°22	3°17	24°25	24°56	18°35	1°50	15°20	5°47	7°24	19° 3	11°18	F 16
S 17	14 7 17	3°26'36	18°13	24°13	23°35	4° 0	24°39	24°54	18°38	1°51	15°21	5°41	7°21	19° 9	11°22	S 17
S 18	14 11 13	4°24'36	0♏ 4	25°25	24°48	4°44	24°53	24°52	18°41	1°53	15°21	5°36	7°18	19°16	11°25	S 18
M19	14 15 10	5°22'34	11°56	26°33	26° 2	5°27	25° 8	24°50	18°44	1°54	15°22	5°33	7°14	19°23	11°28	M19
T 20	14 19 6	6°20'31	23°53	27°37	27°15	6°11	25°22	24°48	18°46	1°55	15°23	5°31	7°11	19°29	11°32	T 20
W21	14 23 3	7°18'26	5♐55	28°36	28°28	6°54	25°36	24°46	18°49	1°56	15°24	5°D30	7° 8	19°36	11°35	W21
T 22	14 26 59	8°16'20	18° 5	29°31	29°41	7°37	25°50	24°44	18°52	1°57	15°24	5°31	7° 5	19°43	11°39	T 22
F 23	14 30 56	9°14'12	0♑27	0♊21	0♊54	8°20	26° 4	24°41	18°55	1°59	15°25	5°32	7° 2	19°49	11°42	F 23
S 24	14 34 53	10°12'03	13° 3	1° 7	2° 8	9° 4	26°18	24°39	18°58	2° 0	15°26	5°34	6°59	19°56	11°45	S 24
S 25	14 38 49	11° 9'53	25°57	1°48	3°21	9°47	26°32	24°36	19° 1	2° 1	15°27	5°35	6°55	20° 3	11°48	S 25
M26	14 42 46	12° 7'42	9♒11	2°24	4°34	10°30	26°47	24°34	19° 4	2° 2	15°27	5°R36	6°52	20° 9	11°52	M26
T 27	14 46 42	13° 5'29	22°48	2°55	5°47	11°13	27° 1	24°31	19° 7	2° 3	15°28	5°35	6°49	20°16	11°55	T 27
W28	14 50 39	14° 3'15	6♓49	3°21	7° 0	11°56	27°15	24°28	19°10	2° 4	15°29	5°34	6°46	20°23	11°58	W28
T 29	14 54 35	15° 1'00	21°13	3°42	8°13	12°39	27°29	24°26	19°13	2° 5	15°30	5°32	6°43	20°29	12° 1	T 29
F 30	14 58 32	15♉58'44	5♈58	3♊59	9♊26	13♉22	27♈43	24♐23	19♊16	2♓ 6	15♋31	5♐30	6♐40	20♎36	12♈ 5	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	7n 3	2s18	5n 6	10n44	0n30	12n35	0s20	8n24	0s20	7n11	1s 4	22s17	1n11	23n 8	0n 8	11s46	0s49	24n53	2n14	21s30	21s46	10s32	6n 4	2n 6	T 1
F 2	7 26	3n17	4 48	11 39	0 41	13 2	0 17	8 41	0 20	7 16	1 4	22 17	1 11	23 8	0 8	11 46	0 49	24 53	2 14	21 28	21 46	10 34	6 6	2 6	F 2
S 3	7 48	8 45	4 9	12 33	0 52	13 29	0 15	8 58	0 19	7 22	1 4	22 17	1 11	23 9	0 8	11 45	0 49	24 53	2 14	21 27	21 45	10 36	6 7	2 6	S 3
S 4	8 10	13 41	3 12	13 25	1 3	13 56	0 12	9 15	0 19	7 27	1 4	22 17	1 11	23 9	0 8	11 45	0 49	24 53	2 14	21 26	21 45	10 38	6 9	2 6	S 4
M 5	8 32	17 42	2 3	14 16	1 13	14 22	0 10	9 32	0 18	7 33	1 3	22 16	1 11	23 9	0 8	11 44	0 49	24 53	2 14	21 26	21 44	10 40	6 10	2 6	M 5
T 6	8 54	20 28	0 45	15 4	1 23	14 48	0 7	9 48	0 17	7 38	1 3	22 16	1 11	23 9	0 8	11 44	0 50	24 53	2 14	21 25	21 44	10 42	6 11	2 6	T 6
W 7	9 15	21 48	0s33	15 51	1 33	15 13	0 5	10 5	0 17	7 44	1 3	22 16	1 11	23 9	0 8	11 43	0 50	24 53	2 14	21 25	21 43	10 44	6 13	2 6	W 7
T 8	9 37	21 42	1 47	16 35	1 42	15 38	0 2	10 21	0 16	7 49	1 3	22 16	1 11	23 10	0 8	11 43	0 50	24 53	2 14	21 25	21 43	10 46	6 14	2 6	T 8
F 9	9 58	20 19	2 53	17 17	1 51	16 3	0n 0	10 38	0 15	7 54	1 3	22 16	1 11	23 10	0 8	11 42	0 50	24 53	2 14	21 26	21 42	10 48	6 16	2 6	F 9
S 10	10 20	17 51	3 47	17 57	1 59	16 27	0 3	10 54	0 15	8 0	1 3	22 16	1 11	23 10	0 8	11 41	0 50	24 53	2 14	21 26	21 42	10 50	6 17	2 6	S 10
S 11	10 41	14 35	4 28	18 34	2 6	16 51	0 5	11 10	0 14	8 5	1 3	22 16	1 11	23 10	0 8	11 41	0 50	24 53	2 14	21 26	21 41	10 53	6 18	2 6	S 11
M12	11 1	10 44	4 56	19 9	2 13	17 15	0 8	11 26	0 13	8 10	1 3	22 16	1 11	23 11	0 8	11 40	0 50	24 53	2 14	21 25	21 40	10 55	6 20	2 6	M12
T 13	11 22	6 32	5 9	19 41	2 19	17 38	0 11	11 42	0 13	8 16	1 3	22 16	1 11	23 11	0 8	11 40	0 50	24 53	2 14	21 25	21 40	10 57	6 21	2 6	T 13
W14	11 43	2 7	5 9	20 11	2 24	18 0	0 13	11 58	0 12	8 21	1 3	22 16	1 11	23 11	0 8	11 40	0 50	24 53	2 14	21 24	21 39	10 59	6 22	2 6	W14
T 15	12 3	2s19	4 55	20 38	2 29	18 22	0 16	12 14	0 12	8 26	1 3	22 16	1 11	23 11	0 8	11 39	0 50	24 53	2 14	21 23	21 39	11 1	6 24	2 6	T 15
F 16	12 23	6 39	4 28	21 2	2 32	18 44	0 18	12 29	0 11	8 31	1 3	22 16	1 11	23 11	0 8	11 39	0 50	24 52	2 14	21 22	21 38	11 3	6 25	2 6	F 16
S 17	12 43	10 43	3 50	21 24	2 35	19 5	0 21	12 45	0 10	8 37	1 3	22 15	1 11	23 12	0 8	11 38	0 50	24 52	2 14	21 21	21 38	11 5	6 26	2 6	S 17
S 18	13 3	14 23	3 2	21 44	2 37	19 26	0 24	13 0	0 10	8 42	1 3	22 15	1 11	23 12	0 8	11 38	0 50	24 52	2 14	21 20	21 37	11 7	6 28	2 6	S 18
M19	13 22	17 28	2 6	22 1	2 37	19 46	0 26	13 15	0 9	8 47	1 3	22 15	1 11	23 12	0 8	11 37	0 50	24 52	2 14	21 19	21 37	11 9	6 29	2 6	M19
T 20	13 42	19 51	1 3	22 16	2 37	20 6	0 29	13 30	0 8	8 52	1 3	22 15	1 11	23 12	0 8	11 37	0 50	24 52	2 14	21 19	21 36	11 11	6 30	2 6	T 20
W21	14 1	21 21	0n 2	22 28	2 36	20 25	0 31	13 45	0 8	8 58	1 3	22 15	1 11	23 13	0 8	11 37	0 50	24 52	2 14	21 19	21 36	11 13	6 32	2 6	W21
T 22	14 19	21 52	1 9	22 38	2 34	20 43	0 34	14 0	0 7	9 3	1 3	22 15	1 11	23 13	0 8	11 36	0 50	24 52	2 14	21 19	21 35	11 15	6 33	2 6	T 22
F 23	14 38	21 20	2 13	22 46	2 31	21 1	0 36	14 15	0 6	9 8	1 3	22 15	1 11	23 13	0 8	11 36	0 50	24 52	2 14	21 19	21 35	11 17	6 34	2 6	F 23
S 24	14 56	19 43	3 12	22 51	2 26	21 19	0 39	14 29	0 6	9 13	1 3	22 15	1 11	23 13	0 8	11 35	0 50	24 52	2 14	21 19	21 34	11 19	6 36	2 6	S 24
S 25	15 15	17 4	4 3	22 55	2 21	21 36	0 41	14 44	0 5	9 18	1 3	22 15	1 11	23 14	0 8	11 35	0 50	24 52	2 14	21 20	21 34	11 21	6 37	2 6	S 25
M26	15 33	13 30	4 42	22 56	2 15	21 52	0 44	14 58	0 5	9 23	1 3	22 15	1 11	23 14	0 8	11 35	0 50	24 52	2 14	21 20	21 33	11 23	6 38	2 6	M26
T 27	15 50	9 8	5 7	22 55	2 8	22 8	0 46	15 12	0 4	9 28	1 3	22 14	1 11	23 14	0 8	11 34	0 50	24 52	2 14	21 20	21 33	11 25	6 39	2 6	T 27
W28	16 8	4 10	5 15	22 52	1 59	22 23	0 49	15 26	0 3	9 33	1 3	22 14	1 11	23 14	0 8	11 34	0 50	24 52	2 14	21 20	21 32	11 27	6 41	2 6	W28
T 29	16 25	1n 9	5 4	22 47	1 50	22 37	0 51	15 40	0 3	9 38	1 3	22 14	1 11	23 15	0 9	11 34	0 50	24 51	2 14	21 19	21 31	11 29	6 42	2 6	T 29
F 30	16n42	6n32	4n32	22n40	1n39	22n51	0n54	15n53	0s 2	9n43	1s 3	22s14	1n11	23n15	0n 9	11s33	0s50	24n51	2n14	21s19	21s31	11s31	6n43	2n 6	F 30

Julian Day Number = 2156891.5, Delta T = 13m36s
Ecliptic obliquity = 23°32'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'29, Lahiri = 12°36'29 Julian Calendar 1 Apr. 1193 == Greg. Calendar 8 Apr. 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

MAY 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 28	16♉56'27	20♈57	4♊10	10♊39	14♉ 5	27♈57	24°R20	19♊20	2♓ 7	15♋32	5°R27	6♐36	20♎43	12♈ 8	S 1
S 2	15 6 25	17°54'09	6♉ 2	4°17	11°51	14°47	28°10	24♐17	19°23	2° 8	15°33	5♐25	6°33	20°50	12°11	S 2
M 3	15 10 22	18°51'49	21° 4	4°R19	13° 4	15°30	28°24	24°13	19°26	2° 8	15°34	5°24	6°30	20°56	12°14	M 3
T 4	15 14 18	19°49'28	5♊56	4°17	14°17	16°13	28°38	24°10	19°29	2° 9	15°35	5°D24	6°27	21° 3	12°17	T 4
W 5	15 18 15	20°47'06	20°28	4° 9	15°30	16°55	28°52	24° 7	19°32	2°10	15°36	5°24	6°24	21°10	12°20	W 5
T 6	15 22 11	21°44'42	4♋36	3°58	16°43	17°38	29° 6	24° 4	19°36	2°11	15°37	5°25	6°20	21°16	12°23	T 6
F 7	15 26 8	22°42'17	18°19	3°42	17°55	18°21	29°19	24° 0	19°39	2°11	15°38	5°26	6°17	21°23	12°26	F 7
S 8	15 30 4	23°39'51	1♌35	3°23	19° 8	19° 3	29°33	23°57	19°42	2°12	15°39	5°27	6°14	21°30	12°29	S 8
S 9	15 34 1	24°37'23	14°28	3° 0	20°21	19°45	29°47	23°53	19°46	2°13	15°40	5°28	6°11	21°36	12°32	S 9
M10	15 37 57	25°34'54	27° 0	2°34	21°33	20°28	0♉ 0	23°50	19°49	2°13	15°41	5°R28	6° 8	21°43	12°35	M10
T 11	15 41 54	26°32'23	9♍15	2° 6	22°46	21°10	0°14	23°46	19°52	2°14	15°43	5°28	6° 5	21°50	12°37	T 11
W12	15 45 51	27°29'51	21°18	1°35	23°58	21°52	0°28	23°42	19°56	2°15	15°44	5°27	6° 1	21°56	12°40	W12
T 13	15 49 47	28°27'17	3♎13	1° 3	25°11	22°35	0°41	23°39	19°59	2°15	15°45	5°26	5°58	22° 3	12°43	T 13
F 14	15 53 44	29°24'43	15° 3	0°30	26°23	23°17	0°54	23°35	20° 2	2°16	15°46	5°25	5°55	22°10	12°46	F 14
S 15	15 57 40	0♊22'07	26°53	29♉56	27°36	23°59	1° 8	23°31	20° 6	2°16	15°47	5°25	5°52	22°16	12°49	S 15
S 16	16 1 37	1°19'30	8♏46	29°23	28°48	24°41	1°21	23°27	20° 9	2°17	15°48	5°24	5°49	22°23	12°51	S 16
M17	16 5 33	2°16'52	20°44	28°50	0♋ 0	25°23	1°34	23°23	20°13	2°17	15°50	5°24	5°46	22°30	12°54	M17
T 18	16 9 30	3°14'13	2♐49	28°19	1°13	26° 5	1°48	23°19	20°16	2°17	15°51	5°D24	5°42	22°36	12°56	T 18
W19	16 13 26	4°11'34	15° 3	27°49	2°25	26°47	2° 1	23°15	20°20	2°18	15°52	5°24	5°39	22°43	12°59	W19
T 20	16 17 23	5° 8'53	27°28	27°22	3°37	27°29	2°14	23°11	20°23	2°18	15°54	5°R24	5°36	22°50	13° 2	T 20
F 21	16 21 20	6° 6'12	10♑ 6	26°57	4°49	28°10	2°27	23° 7	20°27	2°18	15°55	5°24	5°33	22°57	13° 4	F 21
S 22	16 25 16	7° 3'30	22°57	26°35	6° 2	28°52	2°40	23° 3	20°30	2°18	15°56	5°24	5°30	23° 3	13° 7	S 22
S 23	16 29 13	8° 0'48	6♒ 3	26°17	7°14	29°34	2°53	22°59	20°34	2°19	15°58	5°23	5°26	23°10	13° 9	S 23
M24	16 33 9	8°58'05	19°25	26° 3	8°26	0♊16	3° 6	22°55	20°37	2°19	15°59	5°23	5°23	23°17	13°11	M24
T 25	16 37 6	9°55'22	3♓ 4	25°53	9°38	0°57	3°19	22°50	20°41	2°19	16° 0	5°23	5°20	23°23	13°14	T 25
W26	16 41 2	10°52'38	17° 0	25°47	10°50	1°39	3°31	22°46	20°44	2°19	16° 2	5°D23	5°17	23°30	13°16	W26
T 27	16 44 59	11°49'54	1♈12	25°D46	12° 2	2°20	3°44	22°42	20°48	2°19	16° 3	5°23	5°14	23°37	13°18	T 27
F 28	16 48 55	12°47'10	15°38	25°49	13°13	3° 2	3°57	22°38	20°51	2°19	16° 4	5°24	5°11	23°43	13°20	F 28
S 29	16 52 52	13°44'26	0♉15	25°57	14°25	3°43	4° 9	22°33	20°55	2°R19	16° 6	5°24	5° 7	23°50	13°23	S 29
S 30	16 56 49	14°41'41	14°58	26° 9	15°37	4°25	4°22	22°29	20°59	2°19	16° 7	5°25	5° 4	23°57	13°25	S 30
M31	17 0 45	15♊38'56	29♉40	26♉26	16♋49	5♊ 6	4♉34	22♐25	21♊ 2	2♓19	16♋ 9	5°R25	5♐ 1	24♎ 3	13♈27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n58	11n37	3n41	22n31	1n28	23n 4	0n56	16n 7	0s 1	9n48	1s 3	22s14	1n11	23n15	0n 9	11s33	0s50	24n51	2n14	21s18	21s30	11s33	6n44	2n 6
S 2	17 14	16 2	2 35	22 20	1 16	23 16	0 59	16 20	0 1	9 53	1 3	22 14	1 11	23 15	0 9	11 33	0 50	24 51	2 14	21 18	21 30	11 35	6 46	2 6
M 3	17 30	19 22	1 18	22 7	1 2	23 28	1 1	16 33	0 0	9 58	1 3	22 14	1 11	23 16	0 9	11 33	0 50	24 51	2 14	21 18	21 29	11 37	6 47	2 6
T 4	17 46	21 20	0s 3	21 53	0 48	23 40	1 3	16 46	0n 0	10 3	1 3	22 14	1 11	23 16	0 9	11 32	0 50	24 51	2 14	21 18	21 29	11 39	6 48	2 6
W 5	18 2	21 50	1 22	21 37	0 33	23 50	1 5	16 59	0 1	10 8	1 3	22 13	1 11	23 16	0 9	11 32	0 51	24 51	2 14	21 18	21 28	11 41	6 49	2 6
T 6	18 17	20 53	2 35	21 19	0 18	24 0	1 8	17 12	0 2	10 13	1 3	22 13	1 11	23 16	0 9	11 32	0 51	24 51	2 14	21 18	21 28	11 43	6 50	2 6
F 7	18 32	18 43	3 36	21 1	0 1	24 9	1 10	17 24	0 2	10 18	1 3	22 13	1 11	23 17	0 9	11 32	0 51	24 51	2 14	21 18	21 27	11 44	6 52	2 6
S 8	18 46	15 37	4 23	20 40	0s15	24 18	1 12	17 36	0 3	10 23	1 3	22 13	1 11	23 17	0 9	11 31	0 51	24 51	2 14	21 18	21 27	11 46	6 53	2 6
S 9	19 0	11 50	4 56	20 19	0 32	24 25	1 14	17 49	0 4	10 27	1 3	22 13	1 11	23 17	0 9	11 31	0 51	24 50	2 14	21 18	21 26	11 48	6 54	2 6
M10	19 14	7 39	5 14	19 57	0 50	24 32	1 16	18 1	0 4	10 32	1 3	22 13	1 11	23 18	0 9	11 31	0 51	24 50	2 14	21 18	21 25	11 50	6 55	2 6
T 11	19 28	3 15	5 16	19 35	1 7	24 39	1 18	18 12	0 5	10 37	1 3	22 12	1 11	23 18	0 9	11 31	0 51	24 50	2 14	21 18	21 25	11 52	6 56	2 6
W12	19 41	1s12	5 5	19 11	1 24	24 44	1 20	18 24	0 6	10 42	1 3	22 12	1 11	23 18	0 9	11 31	0 51	24 50	2 14	21 18	21 24	11 54	6 57	2 6
T 13	19 54	5 34	4 41	18 48	1 42	24 49	1 22	18 36	0 6	10 46	1 3	22 12	1 11	23 18	0 9	11 30	0 51	24 50	2 14	21 18	21 24	11 56	6 58	2 6
F 14	20 7	9 42	4 4	18 25	1 58	24 54	1 24	18 47	0 7	10 51	1 3	22 12	1 11	23 19	0 9	11 30	0 51	24 50	2 14	21 18	21 23	11 58	6 59	2 6
S 15	20 19	13 29	3 18	18 2	2 14	24 57	1 26	18 58	0 7	10 56	1 3	22 12	1 11	23 19	0 9	11 30	0 51	24 50	2 14	21 18	21 23	12 0	7 1	2 6
S 16	20 31	16 44	2 23	17 40	2 30	25 0	1 28	19 9	0 8	11 0	1 4	22 12	1 11	23 19	0 9	11 30	0 51	24 50	2 14	21 18	21 22	12 2	7 2	2 6
M17	20 42	19 18	1 21	17 18	2 45	25 2	1 29	19 20	0 9	11 5	1 4	22 12	1 11	23 19	0 9	11 30	0 51	24 50	2 14	21 18	21 22	12 4	7 3	2 6
T 18	20 54	21 3	0 14	16 58	2 59	25 3	1 31	19 30	0 9	11 9	1 4	22 11	1 11	23 20	0 9	11 30	0 51	24 49	2 15	21 18	21 21	12 6	7 4	2 6
W19	21 5	21 49	0n53	16 39	3 11	25 4	1 33	19 41	0 10	11 14	1 4	22 11	1 11	23 20	0 9	11 30	0 51	24 49	2 15	21 18	21 20	12 8	7 5	2 6
T 20	21 15	21 32	2 0	16 22	3 23	25 4	1 34	19 51	0 10	11 18	1 4	22 11	1 11	23 20	0 9	11 30	0 51	24 49	2 15	21 18	21 20	12 10	7 6	2 6
F 21	21 25	20 9	3 1	16 6	3 33	25 3	1 36	20 1	0 11	11 23	1 4	22 11	1 11	23 20	0 9	11 30	0 51	24 49	2 15	21 18	21 19	12 12	7 7	2 6
S 22	21 35	17 44	3 54	15 52	3 43	25 1	1 37	20 11	0 12	11 27	1 4	22 11	1 11	23 21	0 9	11 30	0 51	24 49	2 15	21 18	21 19	12 13	7 8	2 6
S 23	21 44	14 22	4 37	15 40	3 50	24 59	1 38	20 21	0 12	11 32	1 4	22 11	1 11	23 21	0 9	11 30	0 51	24 49	2 15	21 18	21 18	12 15	7 9	2 6
M24	21 53	10 14	5 5	15 31	3 57	24 56	1 40	20 30	0 13	11 36	1 4	22 10	1 11	23 21	0 9	11 30	0 51	24 49	2 15	21 18	21 18	12 17	7 10	2 6
T 25	22 2	5 30	5 17	15 23	4 2	24 52	1 41	20 40	0 14	11 40	1 4	22 10	1 11	23 21	0 9	11 30	0 51	24 48	2 15	21 18	21 17	12 19	7 11	2 6
W26	22 10	0 23	5 11	15 18	4 6	24 48	1 42	20 49	0 14	11 45	1 4	22 10	1 11	23 22	0 9	11 30	0 51	24 48	2 15	21 18	21 16	12 21	7 12	2 6
T 27	22 18	4n51	4 46	15 15	4 9	24 43	1 43	20 58	0 15	11 49	1 4	22 10	1 11	23 22	0 9	11 30	0 51	24 48	2 15	21 18	21 16	12 23	7 12	2 6
F 28	22 26	9 54	4 2	15 14	4 11	24 37	1 44	21 6	0 15	11 53	1 4	22 10	1 11	23 22	0 9	11 30	0 51	24 48	2 15	21 18	21 15	12 25	7 13	2 6
S 29	22 33	14 28	3 3	15 15	4 11	24 30	1 45	21 15	0 16	11 57	1 4	22 9	1 11	23 22	0 9	11 30	0 51	24 48	2 15	21 18	21 15	12 27	7 14	2 6
S 30	22 40	18 10	1 51	15 19	4 10	24 23	1 46	21 23	0 17	12 1	1 4	22 9	1 11	23 23	0 9	11 30	0 51	24 48	2 15	21 18	21 14	12 29	7 15	2 6
M31	22n46	20n41	0n32	15n25	4s 9	24n15	1n47	21n31	0n17	12n 6	1s 4	22s 9	1n10	23n23	0n 9	11s30	0s52	24n48	2n15	21s18	21s14	12s30	7n16	2n 6

Julian Day Number = 2156921.5, Delta T = 13m36s
Ecliptic obliquity = 23°32'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'33, Lahiri = 12°36'33 Julian Calendar 1 May 1193 == Greg. Calendar 8 May 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

JUNE 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 42	16♊36'10	14♊16	26♉47	18♋ 1	5♊47	4♉47	22°R20	21♊ 6	2°R19	16♋10	5°R25	4♐58	24♎10	13♈29	T 1
W 2	17 8 38	17°33'25	28°39	27°13	19°12	6°29	4°59	22♐16	21° 9	2♓19	16°12	5♐25	4°55	24°17	13°31	W 2
T 3	17 12 35	18°30'39	12♋43	27°44	20°24	7°10	5°11	22°11	21°13	2°19	16°13	5°23	4°52	24°23	13°33	T 3
F 4	17 16 31	19°27'52	26°25	28°19	21°36	7°51	5°23	22° 7	21°17	2°19	16°15	5°22	4°48	24°30	13°35	F 4
S 5	17 20 28	20°25'04	9♌44	28°58	22°47	8°32	5°36	22° 3	21°20	2°18	16°16	5°20	4°45	24°37	13°37	S 5
S 6	17 24 25	21°22'17	22°40	29°42	23°59	9°13	5°48	21°58	21°24	2°18	16°18	5°18	4°42	24°43	13°38	S 6
M 7	17 28 21	22°19'28	5♍15	0♊30	25°10	9°54	6° 0	21°54	21°27	2°18	16°19	5°17	4°39	24°50	13°40	M 7
T 8	17 32 18	23°16'39	17°32	1°23	26°21	10°35	6°11	21°49	21°31	2°18	16°21	5°16	4°36	24°57	13°42	T 8
W 9	17 36 14	24°13'50	29°36	2°19	27°33	11°16	6°23	21°45	21°35	2°17	16°22	5°D16	4°32	25° 3	13°44	W 9
T 10	17 40 11	25°11'00	11♎30	3°20	28°44	11°57	6°35	21°40	21°38	2°17	16°24	5°16	4°29	25°10	13°45	T 10
F 11	17 44 7	26° 8'10	23°21	4°25	29°55	12°37	6°46	21°36	21°42	2°16	16°25	5°18	4°26	25°17	13°47	F 11
S 12	17 48 4	27° 5'19	5♏12	5°34	1♌ 6	13°18	6°58	21°32	21°45	2°16	16°27	5°19	4°23	25°23	13°48	S 12
S 13	17 52 0	28° 2'28	17° 8	6°46	2°17	13°59	7° 9	21°27	21°49	2°15	16°28	5°21	4°20	25°30	13°50	S 13
M14	17 55 57	28°59'38	29°12	8° 3	3°29	14°40	7°21	21°23	21°52	2°15	16°30	5°22	4°17	25°37	13°51	M14
T 15	17 59 54	29°56'46	11♐27	9°23	4°40	15°20	7°32	21°19	21°56	2°14	16°32	5°R22	4°13	25°43	13°53	T 15
W16	18 3 50	0♋53'55	23°55	10°48	5°50	16° 1	7°43	21°14	22° 0	2°14	16°33	5°21	4°10	25°50	13°54	W16
T 17	18 7 47	1°51'04	6♑39	12°16	7° 1	16°41	7°54	21°10	22° 3	2°13	16°35	5°18	4° 7	25°57	13°55	T 17
F 18	18 11 43	2°48'13	19°37	13°47	8°12	17°22	8° 5	21° 6	22° 7	2°13	16°36	5°15	4° 4	26° 4	13°57	F 18
S 19	18 15 40	3°45'23	2♒51	15°23	9°23	18° 2	8°16	21° 1	22°10	2°12	16°38	5°11	4° 1	26°10	13°58	S 19
S 20	18 19 36	4°42'32	16°18	17° 1	10°33	18°43	8°27	20°57	22°14	2°11	16°40	5° 6	3°58	26°17	13°59	S 20
M21	18 23 33	5°39'42	29°58	18°44	11°44	19°23	8°38	20°53	22°17	2°11	16°41	5° 2	3°54	26°24	14° 0	M21
T 22	18 27 29	6°36'52	13♓48	20°29	12°55	20° 3	8°48	20°49	22°21	2°10	16°43	4°59	3°51	26°30	14° 1	T 22
W23	18 31 26	7°34'03	27°48	22°18	14° 5	20°44	8°59	20°45	22°24	2° 9	16°44	4°58	3°48	26°37	14° 2	W23
T 24	18 35 23	8°31'14	11♈55	24°10	15°15	21°24	9° 9	20°40	22°28	2° 8	16°46	4°D57	3°45	26°44	14° 3	T 24
F 25	18 39 19	9°28'26	26° 9	26° 4	16°26	22° 4	9°19	20°36	22°31	2° 8	16°48	4°58	3°42	26°50	14° 4	F 25
S 26	18 43 16	10°25'39	10♉26	28° 2	17°36	22°44	9°29	20°32	22°35	2° 7	16°49	4°59	3°38	26°57	14° 5	S 26
S 27	18 47 12	11°22'53	24°44	0♋ 1	18°46	23°24	9°40	20°28	22°38	2° 6	16°51	5° 1	3°35	27° 4	14° 6	S 27
M28	18 51 9	12°20'07	9♊ 1	2° 3	19°56	24° 4	9°50	20°24	22°42	2° 5	16°53	5°R 1	3°32	27°10	14° 6	M28
T 29	18 55 5	13°17'22	23°12	4° 6	21° 7	24°44	9°59	20°21	22°45	2° 4	16°54	5° 0	3°29	27°17	14° 7	T 29
W30	18 59 2	14♋14'37	7♋14	6♋11	22♌17	25♊24	10♉ 9	20♐17	22♊49	2♓ 3	16♋56	4♐56	3♐26	27♎24	14♈ 8	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n52	21n48	0s49	15n32	4s 6	24n 6	1n48	21n39	0n18	12n10	1s 4	22s 9	1n10	23n23	0n 9	11s30	0s52	24n47	2n15	21s18	21s13	12s32	7n17	2n 6
W 2	22 57	21 27	2 5	15 42	4 2	23 57	1 48	21 47	0 18	12 14	1 4	22 9	1 10	23 23	0 9	11 30	0 52	24 47	2 15	21 18	21 12	12 34	7 18	2 6
T 3	23 3	19 45	3 12	15 53	3 57	23 47	1 49	21 55	0 19	12 18	1 5	22 9	1 10	23 24	0 9	11 30	0 52	24 47	2 15	21 18	21 12	12 36	7 18	2 6
F 4	23 7	16 56	4 6	16 7	3 51	23 36	1 49	22 2	0 20	12 22	1 5	22 8	1 10	23 24	0 9	11 30	0 52	24 47	2 15	21 17	21 11	12 38	7 19	2 6
S 5	23 12	13 18	4 45	16 21	3 45	23 25	1 50	22 9	0 20	12 26	1 5	22 8	1 10	23 24	0 9	11 30	0 52	24 47	2 15	21 17	21 11	12 40	7 20	2 6
S 6	23 16	9 9	5 8	16 38	3 38	23 13	1 50	22 16	0 21	12 30	1 5	22 8	1 10	23 25	0 9	11 30	0 52	24 47	2 15	21 17	21 10	12 42	7 21	2 6
M 7	23 19	4 44	5 16	16 56	3 30	23 0	1 51	22 23	0 21	12 33	1 5	22 8	1 10	23 25	0 9	11 30	0 52	24 47	2 15	21 16	21 10	12 43	7 21	2 6
T 8	23 22	0 12	5 9	17 15	3 21	22 47	1 51	22 30	0 22	12 37	1 5	22 8	1 10	23 25	0 9	11 31	0 52	24 46	2 15	21 16	21 9	12 45	7 22	2 6
W 9	23 25	4s14	4 48	17 35	3 12	22 33	1 51	22 36	0 23	12 41	1 5	22 7	1 10	23 25	0 9	11 31	0 52	24 46	2 15	21 16	21 8	12 47	7 23	2 7
T 10	23 27	8 29	4 15	17 56	3 2	22 19	1 51	22 42	0 23	12 45	1 5	22 7	1 10	23 25	0 9	11 31	0 52	24 46	2 15	21 16	21 8	12 49	7 24	2 7
F 11	23 29	12 23	3 31	18 18	2 52	22 4	1 51	22 48	0 24	12 49	1 5	22 7	1 10	23 26	0 9	11 31	0 52	24 46	2 15	21 17	21 7	12 51	7 24	2 7
S 12	23 31	15 48	2 39	18 41	2 41	21 48	1 51	22 54	0 24	12 52	1 5	22 7	1 10	23 26	0 9	11 31	0 52	24 46	2 15	21 17	21 7	12 53	7 25	2 7
S 13	23 32	18 36	1 39	19 4	2 30	21 32	1 50	22 59	0 25	12 56	1 5	22 7	1 9	23 26	0 9	11 31	0 52	24 46	2 15	21 17	21 6	12 54	7 25	2 7
M14	23 32	20 37	0 34	19 28	2 18	21 15	1 50	23 5	0 26	13 0	1 5	22 6	1 9	23 26	0 9	11 32	0 52	24 46	2 16	21 17	21 5	12 56	7 26	2 7
T 15	23 33	21 42	0n33	19 52	2 7	20 57	1 50	23 10	0 26	13 3	1 5	22 6	1 9	23 27	0 9	11 32	0 52	24 45	2 16	21 17	21 5	12 58	7 27	2 7
W16	23 32	21 44	1 40	20 16	1 54	20 39	1 49	23 15	0 27	13 7	1 6	22 6	1 9	23 27	0 9	11 32	0 52	24 45	2 16	21 17	21 4	13 0	7 27	2 7
T 17	23 32	20 39	2 43	20 40	1 42	20 21	1 49	23 20	0 27	13 10	1 6	22 6	1 9	23 27	0 9	11 32	0 52	24 45	2 16	21 17	21 4	13 2	7 28	2 7
F 18	23 31	18 29	3 39	21 4	1 30	20 2	1 48	23 24	0 28	13 14	1 6	22 6	1 9	23 27	0 9	11 33	0 52	24 45	2 16	21 16	21 3	13 4	7 28	2 7
S 19	23 29	15 19	4 25	21 28	1 17	19 42	1 47	23 29	0 29	13 17	1 6	22 6	1 9	23 27	0 9	11 33	0 52	24 45	2 16	21 15	21 2	13 5	7 29	2 7
S 20	23 28	11 18	4 56	21 50	1 4	19 22	1 46	23 33	0 29	13 20	1 6	22 5	1 9	23 28	0 9	11 33	0 52	24 45	2 16	21 15	21 2	13 7	7 29	2 7
M21	23 25	6 40	5 11	22 12	0 52	19 2	1 45	23 37	0 30	13 24	1 6	22 5	1 9	23 28	0 9	11 33	0 52	24 45	2 16	21 14	21 1	13 9	7 30	2 7
T 22	23 23	1 39	5 9	22 33	0 39	18 41	1 44	23 40	0 30	13 27	1 6	22 5	1 9	23 28	0 9	11 34	0 52	24 44	2 16	21 13	21 1	13 11	7 30	2 7
W23	23 20	3n32	4 48	22 52	0 27	18 19	1 43	23 44	0 31	13 30	1 6	22 5	1 8	23 28	0 9	11 34	0 52	24 44	2 16	21 13	21 0	13 13	7 31	2 7
T 24	23 16	8 34	4 10	23 10	0 15	17 57	1 42	23 47	0 31	13 33	1 6	22 5	1 8	23 29	0 9	11 34	0 52	24 44	2 16	21 13	20 59	13 14	7 31	2 7
F 25	23 12	13 11	3 16	23 26	0 3	17 35	1 41	23 50	0 32	13 37	1 7	22 4	1 8	23 29	0 9	11 35	0 52	24 44	2 16	21 13	20 59	13 16	7 31	2 7
S 26	23 8	17 4	2 10	23 41	0n 9	17 12	1 39	23 53	0 33	13 40	1 7	22 4	1 8	23 29	0 9	11 35	0 52	24 44	2 16	21 13	20 58	13 18	7 32	2 7
S 27	23 3	19 56	0 56	23 53	0 20	16 49	1 38	23 56	0 33	13 43	1 7	22 4	1 8	23 29	0 9	11 35	0 53	24 44	2 16	21 14	20 58	13 20	7 32	2 7
M28	22 58	21 32	0s22	24 2	0 31	16 25	1 36	23 58	0 34	13 46	1 7	22 4	1 8	23 29	0 9	11 36	0 53	24 43	2 16	21 14	20 57	13 21	7 33	2 7
T 29	22 53	21 45	1 37	24 9	0 41	16 1	1 34	24 1	0 34	13 49	1 7	22 4	1 8	23 30	0 9	11 36	0 53	24 43	2 16	21 13	20 56	13 23	7 33	2 8
W30	22n47	20n35	2s46	24n14	0n50	15n36	1n33	24n 3	0n35	13n52	1s 7	22s 4	1n 8	23n30	0n 9	11s36	0s53	24n43	2n16	21s13	20s56	13s25	7n33	2n 8

Julian Day Number = 2156952.5, Delta T = 13m36s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'37, Lahiri = 12°36'38 Julian Calendar 1 June 1193 == Greg. Calendar 8 June 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

JULY 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 58	15♋11'53	21♋ 3	8♋17	23♌26	26♊ 4	10♉19	20°R13	22♊52	2°R 2	16♋58	4°R52	3♐23	27♎30	14♈ 8	T 1
F 2	19 6 55	16° 9'09	4♌35	10°24	24°36	26°44	10°28	20♐ 9	22°55	2♓ 1	16°59	4♐45	3°19	27°37	14° 9	F 2
S 3	19 10 52	17° 6'26	17°48	12°31	25°46	27°24	10°38	20° 5	22°59	2° 0	17° 1	4°38	3°16	27°44	14° 9	S 3
S 4	19 14 48	18° 3'43	0♍41	14°39	26°56	28° 4	10°47	20° 2	23° 2	1°59	17° 2	4°31	3°13	27°50	14°10	S 4
M 5	19 18 45	19° 1'01	13°15	16°46	28° 5	28°43	10°56	19°58	23° 5	1°58	17° 4	4°25	3°10	27°57	14°10	M 5
T 6	19 22 41	19°58'19	25°32	18°53	29°15	29°23	11° 5	19°55	23° 9	1°57	17° 6	4°21	3° 7	28° 4	14°10	T 6
W 7	19 26 38	20°55'38	7♎35	21° 0	0♍24	0♋ 3	11°14	19°51	23°12	1°56	17° 7	4°18	3° 3	28°10	14°10	W 7
T 8	19 30 34	21°52'57	19°30	23° 6	1°34	0°42	11°23	19°48	23°15	1°55	17° 9	4°D17	3° 0	28°17	14°11	T 8
F 9	19 34 31	22°50'16	1♏20	25°11	2°43	1°22	11°31	19°44	23°19	1°53	17°11	4°17	2°57	28°24	14°11	F 9
S 10	19 38 27	23°47'37	13°11	27°15	3°52	2° 1	11°40	19°41	23°22	1°52	17°12	4°18	2°54	28°30	14°11	S 10
S 11	19 42 24	24°44'57	25° 9	29°18	5° 1	2°41	11°48	19°38	23°25	1°51	17°14	4°19	2°51	28°37	14°R11	S 11
M12	19 46 21	25°42'19	7♐17	1♌19	6°10	3°20	11°56	19°35	23°28	1°50	17°16	4°R20	2°48	28°44	14°11	M12
T 13	19 50 17	26°39'41	19°40	3°19	7°19	4° 0	12° 4	19°32	23°31	1°49	17°17	4°18	2°44	28°50	14°11	T 13
W14	19 54 14	27°37'04	2♑21	5°18	8°28	4°39	12°12	19°29	23°34	1°47	17°19	4°15	2°41	28°57	14°11	W14
T 15	19 58 10	28°34'28	15°21	7°15	9°36	5°18	12°20	19°26	23°38	1°46	17°21	4° 9	2°38	29° 4	14°11	T 15
F 16	20 2 7	29°31'52	28°42	9°10	10°45	5°57	12°28	19°23	23°41	1°45	17°22	4° 2	2°35	29°10	14°10	F 16
S 17	20 6 3	0♌29'18	12♒20	11° 4	11°53	6°37	12°35	19°20	23°44	1°43	17°24	3°53	2°32	29°17	14°10	S 17
S 18	20 10 0	1°26'44	26°14	12°57	13° 2	7°16	12°43	19°17	23°47	1°42	17°25	3°44	2°29	29°24	14°10	S 18
M19	20 13 56	2°24'12	10♓18	14°48	14°10	7°55	12°50	19°15	23°50	1°41	17°27	3°35	2°25	29°30	14° 9	M19
T 20	20 17 53	3°21'41	24°30	16°37	15°18	8°34	12°57	19°12	23°53	1°39	17°29	3°28	2°22	29°37	14° 9	T 20
W21	20 21 50	4°19'12	8♈44	18°25	16°26	9°13	13° 4	19°10	23°56	1°38	17°30	3°24	2°19	29°44	14° 8	W21
T 22	20 25 46	5°16'43	22°57	20°11	17°34	9°52	13°11	19° 7	23°59	1°36	17°32	3°21	2°16	29°50	14° 8	T 22
F 23	20 29 43	6°14'17	7♉ 7	21°56	18°41	10°31	13°18	19° 5	24° 1	1°35	17°33	3°D20	2°13	29°57	14° 7	F 23
S 24	20 33 39	7°11'52	21°13	23°39	19°49	11°10	13°24	19° 3	24° 4	1°33	17°35	3°21	2° 9	0♏ 4	14° 6	S 24
S 25	20 37 36	8° 9'28	5♊13	25°21	20°57	11°49	13°30	19° 1	24° 7	1°32	17°36	3°R21	2° 6	0°10	14° 6	S 25
M26	20 41 32	9° 7'06	19° 6	27° 1	22° 4	12°28	13°37	18°59	24°10	1°31	17°38	3°20	2° 3	0°17	14° 5	M26
T 27	20 45 29	10° 4'46	2♋53	28°40	23°11	13° 7	13°43	18°57	24°13	1°29	17°40	3°17	2° 0	0°24	14° 4	T 27
W28	20 49 25	11° 2'27	16°30	0♍17	24°18	13°46	13°49	18°55	24°15	1°28	17°41	3°11	1°57	0°30	14° 3	W28
T 29	20 53 22	12° 0'10	29°56	1°53	25°25	14°24	13°54	18°53	24°18	1°26	17°43	3° 3	1°54	0°37	14° 2	T 29
F 30	20 57 19	12°57'53	13♌10	3°27	26°32	15° 3	14° 0	18°51	24°21	1°24	17°44	2°52	1°50	0°44	14° 1	F 30
S 31	21 1 15	13♌55'39	26♌ 8	5♍ 0	27♍39	15♋42	14♉ 5	18♐50	24♊23	1♓23	17♋46	2♐40	1♐47	0♏50	14♈ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n40	18n12	3s44	24n16	0n59	15n11	1n31	24n 5	0n35	13n55	1s 7	22s 4	1n 7	23n30	0n 9	11s37	0s53	24n43	2n16	21s12	20s55	13s27	7n33	2n 8	
F 2	22 34	14 52	4 28	24 15	1 7	14 46	1 29	24 6	0 36	13 58	1 7	22 3	1 7	23 30	0 9	11 37	0 53	24 43	2 17	21 11	20 55	13 28	7 34	2 8	
S 3	22 27	10 52	4 56	24 11	1 15	14 21	1 27	24 8	0 37	14 0	1 7	22 3	1 7	23 30	0 9	11 38	0 53	24 43	2 17	21 9	20 54	13 30	7 34	2 8	
S 4	22 19	6 28	5 8	24 5	1 21	13 55	1 25	24 9	0 37	14 3	1 8	22 3	1 7	23 31	0 9	11 38	0 53	24 43	2 17	21 8	20 53	13 32	7 34	2 8	
M 5	22 11	1 55	5 5	23 56	1 27	13 28	1 22	24 10	0 38	14 6	1 8	22 3	1 7	23 31	0 9	11 38	0 53	24 42	2 17	21 7	20 53	13 34	7 34	2 8	
T 6	22 3	2s37	4 48	23 44	1 32	13 2	1 20	24 11	0 38	14 9	1 8	22 3	1 7	23 31	0 9	11 39	0 53	24 42	2 17	21 6	20 52	13 35	7 34	2 8	
W 7	21 54	6 59	4 19	23 29	1 37	12 35	1 18	24 11	0 39	14 11	1 8	22 3	1 7	23 31	0 9	11 39	0 53	24 42	2 17	21 6	20 52	13 37	7 35	2 8	
T 8	21 45	11 1	3 38	23 12	1 40	12 8	1 15	24 12	0 39	14 14	1 8	22 3	1 6	23 31	0 9	11 40	0 53	24 42	2 17	21 5	20 51	13 39	7 35	2 8	
F 9	21 36	14 37	2 49	22 53	1 43	11 41	1 12	24 12	0 40	14 16	1 8	22 3	1 6	23 31	0 9	11 40	0 53	24 42	2 17	21 6	20 50	13 41	7 35	2 8	
S 10	21 26	17 38	1 52	22 31	1 45	11 13	1 10	24 12	0 41	14 19	1 8	22 2	1 6	23 32	0 9	11 41	0 53	24 42	2 17	21 6	20 50	13 42	7 35	2 8	
S 11	21 16	19 56	0 49	22 8	1 47	10 45	1 7	24 12	0 41	14 21	1 8	22 2	1 6	23 32	0 9	11 41	0 53	24 42	2 17	21 6	20 49	13 44	7 35	2 8	
M12	21 6	21 21	0n16	21 42	1 48	10 17	1 4	24 12	0 42	14 24	1 9	22 2	1 6	23 32	0 9	11 42	0 53	24 41	2 17	21 6	20 48	13 46	7 35	2 8	
T 13	20 55	21 47	1 22	21 14	1 48	9 48	1 1	24 11	0 42	14 26	1 9	22 2	1 6	23 32	0 9	11 42	0 53	24 41	2 17	21 6	20 48	13 48	7 35	2 8	
W14	20 44	21 7	2 25	20 45	1 47	9 20	0 58	24 10	0 43	14 28	1 9	22 2	1 6	23 32	0 9	11 43	0 53	24 41	2 17	21 5	20 47	13 49	7 35	2 8	
T 15	20 32	19 19	3 22	20 15	1 46	8 51	0 55	24 9	0 43	14 31	1 9	22 2	1 5	23 33	0 9	11 43	0 53	24 41	2 17	21 4	20 47	13 51	7 35	2 8	
F 16	20 20	16 26	4 9	19 42	1 44	8 22	0 52	24 8	0 44	14 33	1 9	22 2	1 5	23 33	0 9	11 44	0 53	24 41	2 18	21 3	20 46	13 53	7 35	2 8	
S 17	20 8	12 38	4 44	19 9	1 42	7 53	0 48	24 7	0 44	14 35	1 9	22 2	1 5	23 33	0 9	11 44	0 53	24 41	2 18	21 1	20 45	13 54	7 35	2 8	
S 18	19 55	8 5	5 2	18 35	1 39	7 23	0 45	24 5	0 45	14 37	1 9	22 2	1 5	23 33	0 9	11 45	0 53	24 41	2 18	20 59	20 45	13 56	7 35	2 9	
M19	19 43	3 4	5 3	17 59	1 35	6 54	0 41	24 4	0 46	14 39	1 10	22 2	1 5	23 33	0 9	11 45	0 53	24 41	2 18	20 58	20 44	13 58	7 35	2 9	
T 20	19 29	2n10	4 45	17 23	1 31	6 24	0 38	24 2	0 46	14 41	1 10	22 2	1 5	23 33	0 9	11 46	0 53	24 40	2 18	20 56	20 43	13 59	7 35	2 9	
W21	19 16	7 17	4 9	16 45	1 27	5 54	0 34	24 0	0 47	14 43	1 10	22 2	1 5	23 33	0 9	11 46	0 53	24 40	2 18	20 55	20 43	14 1	7 34	2 9	
T 22	19 2	12 1	3 18	16 7	1 22	5 24	0 30	23 57	0 47	14 45	1 10	22 2	1 4	23 34	0 9	11 47	0 53	24 40	2 18	20 55	20 42	14 3	7 34	2 9	
F 23	18 48	16 5	2 15	15 29	1 17	4 54	0 27	23 55	0 48	14 47	1 10	22 2	1 4	23 34	0 9	11 47	0 53	24 40	2 18	20 55	20 42	14 5	7 34	2 9	
S 24	18 33	19 10	1 4	14 49	1 12	4 24	0 23	23 52	0 48	14 49	1 10	22 2	1 4	23 34	0 9	11 48	0 53	24 40	2 18	20 55	20 41	14 6	7 34	2 9	
S 25	18 18	21 6	0s10	14 10	1 6	3 54	0 19	23 49	0 49	14 50	1 11	22 2	1 4	23 34	0 9	11 48	0 53	24 40	2 18	20 55	20 40	14 8	7 34	2 9	
M26	18 3	21 43	1 23	13 30	1 0	3 23	0 15	23 46	0 49	14 52	1 11	22 1	1 4	23 34	0 9	11 49	0 53	24 40	2 18	20 55	20 40	14 10	7 33	2 9	
T 27	17 48	21 0	2 30	12 49	0 53	2 53	0 11	23 43	0 50	14 54	1 11	22 1	1 4	23 34	0 9	11 49	0 53	24 40	2 18	20 54	20 39	14 11	7 33	2 9	
W28	17 32	19 4	3 28	12 9	0 46	2 22	0 6	23 40	0 50	14 55	1 11	22 2	1 3	23 34	0 9	11 50	0 53	24 39	2 19	20 53	20 38	14 13	7 33	2 9	
T 29	17 16	16 7	4 14	11 28	0 39	1 52	0 2	23 36	0 51	14 57	1 11	22 2	1 3	23 35	0 9	11 51	0 53	24 39	2 19	20 51	20 38	14 15	7 32	2 9	
F 30	17 0	12 23	4 44	10 47	0 32	1 21	0s 2	23 33	0 52	14 58	1 11	22 2	1 3	23 35	0 9	11 51	0 53	24 39	2 19	20 49	20 37	14 16	7 32	2 9	
S 31	16n43	8n 9	5s 0	10n 6	0n24	0n50	0s 7	23n29	0n52	15n 0	1s11	22s 2	1n 3	23n35	0n 9	11s52	0s53	24n39	2n19	20s47	20s37	14s18	7n32	2n 9	

Julian Day Number = 2156982.5, Delta T = 13m35s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'41, Lahiri = 12°36'42 Julian Calendar 1 July 1193 == Greg. Calendar 8 July 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

AUGUST 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 12	14♌53'25	8♍51	6♍31	28♍45	16♋20	14♉10	18°R48	24♊26	1°R21	17♋47	2°R28	1♐44	0♏57	13°R59	S 1
M 2	21 9 8	15°51'13	21°19	8° 1	29°52	16°59	14°15	18♐47	24°29	1♓20	17°49	2♐17	1°41	1° 4	13♈58	M 2
T 3	21 13 5	16°49'02	3♎32	9°30	0♎58	17°37	14°20	18°45	24°31	1°18	17°50	2° 8	1°38	1°10	13°57	T 3
W 4	21 17 1	17°46'53	15°33	10°57	2° 4	18°16	14°25	18°44	24°34	1°17	17°52	2° 1	1°35	1°17	13°56	W 4
T 5	21 20 58	18°44'44	27°25	12°22	3°10	18°54	14°29	18°43	24°36	1°15	17°53	1°57	1°31	1°24	13°55	T 5
F 6	21 24 54	19°42'38	9♏14	13°46	4°16	19°33	14°34	18°42	24°38	1°13	17°55	1°56	1°28	1°30	13°53	F 6
S 7	21 28 51	20°40'32	21° 4	15° 8	5°21	20°11	14°38	18°41	24°41	1°12	17°56	1°D55	1°25	1°37	13°52	S 7
S 8	21 32 48	21°38'28	3♐ 1	16°29	6°26	20°50	14°42	18°40	24°43	1°10	17°57	1°R55	1°22	1°44	13°50	S 8
M 9	21 36 44	22°36'25	15°10	17°48	7°32	21°28	14°46	18°39	24°45	1° 9	17°59	1°55	1°19	1°50	13°49	M 9
T 10	21 40 41	23°34'23	27°35	19° 5	8°37	22° 6	14°49	18°39	24°48	1° 7	18° 0	1°53	1°15	1°57	13°47	T 10
W11	21 44 37	24°32'23	10♑23	20°21	9°41	22°44	14°53	18°38	24°50	1° 5	18° 2	1°48	1°12	2° 4	13°46	W11
T 12	21 48 34	25°30'25	23°34	21°35	10°46	23°22	14°56	18°38	24°52	1° 4	18° 3	1°41	1° 9	2°10	13°44	T 12
F 13	21 52 30	26°28'28	7♒10	22°46	11°50	24° 1	14°59	18°37	24°54	1° 2	18° 4	1°31	1° 6	2°17	13°43	F 13
S 14	21 56 27	27°26'32	21° 9	23°56	12°54	24°39	15° 2	18°37	24°56	1° 0	18° 6	1°20	1° 3	2°24	13°41	S 14
S 15	22 0 23	28°24'38	5♓28	25° 4	13°58	25°17	15° 4	18°37	24°58	0°59	18° 7	1° 8	1° 0	2°30	13°39	S 15
M16	22 4 20	29°22'46	19°59	26°10	15° 2	25°55	15° 7	18°37	25° 0	0°57	18° 8	0°57	0°56	2°37	13°37	M16
T 17	22 8 17	0♍20'55	4♈36	27°14	16° 5	26°33	15° 9	18°D37	25° 2	0°55	18°10	0°48	0°53	2°44	13°36	T 17
W18	22 12 13	1°19'07	19°12	28°15	17° 9	27°11	15°11	18°37	25° 4	0°54	18°11	0°42	0°50	2°50	13°34	W18
T 19	22 16 10	2°17'21	3♉42	29°13	18°12	27°49	15°13	18°37	25° 6	0°52	18°12	0°38	0°47	2°57	13°32	T 19
F 20	22 20 6	3°15'37	18° 0	0♎ 9	19°14	28°26	15°15	18°37	25° 8	0°50	18°13	0°36	0°44	3° 4	13°30	F 20
S 21	22 24 3	4°13'55	2♊ 6	1° 2	20°17	29° 4	15°16	18°37	25°10	0°49	18°15	0°36	0°41	3°10	13°28	S 21
S 22	22 27 59	5°12'15	15°58	1°52	21°19	29°42	15°18	18°38	25°11	0°47	18°16	0°36	0°37	3°17	13°26	S 22
M23	22 31 56	6°10'37	29°38	2°39	22°21	0♌20	15°19	18°39	25°13	0°46	18°17	0°34	0°34	3°24	13°24	M23
T 24	22 35 52	7° 9'02	13♋ 5	3°22	23°23	0°58	15°20	18°39	25°15	0°44	18°18	0°31	0°31	3°30	13°22	T 24
W25	22 39 49	8° 7'29	26°20	4° 1	24°24	1°35	15°20	18°40	25°16	0°42	18°19	0°24	0°28	3°37	13°20	W25
T 26	22 43 46	9° 5'57	9♌24	4°36	25°25	2°13	15°21	18°41	25°18	0°41	18°20	0°15	0°25	3°44	13°17	T 26
F 27	22 47 42	10° 4'28	22°16	5° 7	26°26	2°50	15°21	18°42	25°19	0°39	18°22	0° 3	0°21	3°50	13°15	F 27
S 28	22 51 39	11° 3'01	4♍57	5°33	27°26	3°28	15°R21	18°43	25°21	0°37	18°23	29♏50	0°18	3°57	13°13	S 28
S 29	22 55 35	12° 1'36	17°25	5°55	28°26	4° 5	15°21	18°44	25°22	0°36	18°24	29°37	0°15	4° 4	13°11	S 29
M30	22 59 32	13° 0'12	29°42	6°11	29°26	4°43	15°21	18°45	25°24	0°34	18°25	29°24	0°12	4°10	13° 8	M30
T 31	23 3 28	13♍58'51	11♎47	6♎21	0♏26	5♌20	15♉21	18♐47	25♊25	0♓33	18♋26	29♏14	0♐ 9	4♏17	13♈ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n26	3n39	5s 0	9n25	0n17	0n20	0s11	23n24	0n53	15n 1	1s12	22s 2	1n 3	23n35	0n 9	11s52	0s53	24n39	2n19	20s45	20s36	14s19	7n31	2n 9
M 2	16 9	0s55	4 46	8 44	0 9	0s11	0 16	23 20	0 53	15 3	1 12	22 2	1 3	23 35	0 9	11 53	0 53	24 39	2 19	20 42	20 35	14 21	7 31	2 9
T 3	15 52	5 21	4 18	8 3	0 1	0 42	0 20	23 16	0 54	15 4	1 12	22 2	1 2	23 35	0 9	11 53	0 54	24 39	2 19	20 41	20 35	14 23	7 31	2 9
W 4	15 34	9 31	3 40	7 22	0s 8	1 12	0 25	23 11	0 54	15 5	1 12	22 2	1 2	23 35	0 10	11 54	0 54	24 39	2 19	20 39	20 34	14 24	7 30	2 9
T 5	15 16	13 16	2 52	6 42	0 16	1 43	0 30	23 6	0 55	15 6	1 12	22 2	1 2	23 35	0 10	11 55	0 54	24 39	2 19	20 39	20 33	14 26	7 30	2 9
F 6	14 58	16 29	1 57	6 2	0 25	2 14	0 35	23 1	0 55	15 7	1 12	22 2	1 2	23 36	0 10	11 55	0 54	24 38	2 19	20 38	20 33	14 28	7 29	2 9
S 7	14 40	19 1	0 57	5 22	0 34	2 44	0 39	22 56	0 56	15 8	1 13	22 2	1 2	23 36	0 10	11 56	0 54	24 38	2 19	20 38	20 32	14 29	7 29	2 9
S 8	14 21	20 45	0n 6	4 42	0 43	3 15	0 44	22 51	0 56	15 9	1 13	22 2	1 2	23 36	0 10	11 56	0 54	24 38	2 20	20 38	20 31	14 31	7 28	2 9
M 9	14 2	21 34	1 10	4 3	0 52	3 45	0 49	22 45	0 57	15 10	1 13	22 2	1 1	23 36	0 10	11 57	0 54	24 38	2 20	20 38	20 31	14 32	7 28	2 9
T 10	13 43	21 20	2 12	3 25	1 1	4 16	0 54	22 40	0 57	15 11	1 13	22 2	1 1	23 36	0 10	11 58	0 54	24 38	2 20	20 38	20 30	14 34	7 27	2 9
W11	13 24	20 0	3 9	2 46	1 10	4 46	1 0	22 34	0 58	15 12	1 13	22 2	1 1	23 36	0 10	11 58	0 54	24 38	2 20	20 37	20 29	14 36	7 26	2 9
T 12	13 4	17 35	3 57	2 9	1 19	5 16	1 5	22 28	0 58	15 13	1 13	22 3	1 1	23 36	0 10	11 59	0 54	24 38	2 20	20 35	20 29	14 37	7 26	2 9
F 13	12 45	14 8	4 34	1 32	1 28	5 46	1 10	22 22	0 59	15 14	1 14	22 3	1 1	23 36	0 10	11 59	0 54	24 38	2 20	20 33	20 28	14 39	7 25	2 10
S 14	12 25	9 50	4 56	0 56	1 37	6 16	1 15	22 16	0 59	15 14	1 14	22 3	1 0	23 36	0 10	12 0	0 54	24 38	2 20	20 31	20 27	14 41	7 25	2 10
S 15	12 5	4 54	5 0	0 20	1 46	6 46	1 20	22 9	1 0	15 15	1 14	22 3	1 0	23 36	0 10	12 1	0 54	24 38	2 20	20 29	20 27	14 42	7 24	2 10
M16	11 44	0n22	4 44	0s14	1 56	7 16	1 26	22 3	1 0	15 16	1 14	22 3	1 0	23 37	0 10	12 1	0 54	24 38	2 20	20 26	20 26	14 44	7 23	2 10
T 17	11 24	5 40	4 10	0 48	2 5	7 45	1 31	21 56	1 1	15 16	1 14	22 3	1 0	23 37	0 10	12 2	0 54	24 37	2 20	20 24	20 25	14 45	7 22	2 10
W18	11 3	10 38	3 20	1 20	2 14	8 15	1 36	21 49	1 2	15 16	1 14	22 4	1 0	23 37	0 10	12 2	0 54	24 37	2 21	20 23	20 25	14 47	7 22	2 10
T 19	10 42	14 57	2 17	1 52	2 23	8 44	1 42	21 42	1 2	15 17	1 15	22 4	1 0	23 37	0 10	12 3	0 54	24 37	2 21	20 22	20 24	14 48	7 21	2 10
F 20	10 21	18 20	1 6	2 22	2 31	9 13	1 47	21 35	1 3	15 17	1 15	22 4	0 59	23 37	0 10	12 4	0 54	24 37	2 21	20 22	20 23	14 50	7 20	2 10
S 21	10 0	20 32	0s 8	2 51	2 40	9 42	1 53	21 28	1 3	15 18	1 15	22 4	0 59	23 37	0 10	12 4	0 54	24 37	2 21	20 22	20 23	14 52	7 20	2 10
S 22	9 39	21 28	1 20	3 19	2 49	10 10	1 58	21 20	1 4	15 18	1 15	22 4	0 59	23 37	0 10	12 5	0 54	24 37	2 21	20 22	20 22	14 53	7 19	2 10
M23	9 17	21 5	2 27	3 45	2 57	10 39	2 4	21 13	1 4	15 18	1 15	22 5	0 59	23 37	0 10	12 5	0 54	24 37	2 21	20 22	20 21	14 55	7 18	2 10
T 24	8 55	19 30	3 24	4 10	3 5	11 7	2 9	21 5	1 5	15 18	1 15	22 5	0 59	23 37	0 10	12 6	0 54	24 37	2 21	20 21	20 21	14 56	7 17	2 10
W25	8 34	16 53	4 10	4 33	3 12	11 35	2 15	20 57	1 5	15 18	1 16	22 5	0 59	23 37	0 10	12 7	0 54	24 37	2 21	20 19	20 20	14 58	7 16	2 10
T 26	8 12	13 27	4 41	4 53	3 20	12 3	2 20	20 49	1 6	15 18	1 16	22 5	0 58	23 37	0 10	12 7	0 54	24 37	2 21	20 17	20 19	14 59	7 15	2 10
F 27	7 49	9 27	4 58	5 12	3 26	12 30	2 26	20 41	1 6	15 18	1 16	22 6	0 58	23 37	0 10	12 8	0 54	24 37	2 22	20 15	20 19	15 1	7 15	2 10
S 28	7 27	5 5	4 59	5 28	3 33	12 58	2 32	20 33	1 7	15 18	1 16	22 6	0 58	23 38	0 10	12 8	0 54	24 37	2 22	20 12	20 18	15 2	7 14	2 10
S 29	7 5	0 36	4 47	5 42	3 38	13 25	2 37	20 24	1 7	15 18	1 16	22 6	0 58	23 38	0 10	12 9	0 54	24 37	2 22	20 9	20 17	15 4	7 13	2 10
M30	6 42	3s51	4 20	5 53	3 44	13 51	2 43	20 16	1 8	15 17	1 16	22 6	0 58	23 38	0 10	12 9	0 54	24 37	2 22	20 7	20 17	15 6	7 12	2 10
T 31	6n20	8s 6	3s43	6s 1	3s48	14s18	2s48	20n 7	1n 8	15n17	1s17	22s 7	0n58	23n38	0n10	12s10	0s54	24n37	2n22	20s 4	20s16	15s 7	7n11	2n10

Julian Day Number = 2157013.5, Delta T = 13m35s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'45, Lahiri = 12°36'46 Julian Calendar 1 Aug. 1193 == Greg. Calendar 8 Aug. 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

SEPTEMBER 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 7 25	14♍57'31	23♎43	6°R25	1♏25	5♌58	15°R20	18♐48	25♊26	0°R31	18♋27	29°R 6	0♐ 6	4♏24	13°R 4	W 1
T 2	23 11 21	15°56'13	5♏33	6♎22	2°23	6°35	15♉19	18°50	25°27	0♓29	18°28	29♏ 1	0° 2	4°30	13♈ 1	T 2
F 3	23 15 18	16°54'57	17°20	6°13	3°21	7°12	15°18	18°51	25°29	0°28	18°29	28°59	29♏59	4°37	12°59	F 3
S 4	23 19 14	17°53'43	29° 8	5°57	4°19	7°50	15°17	18°53	25°30	0°26	18°30	28°D58	29°56	4°44	12°56	S 4
S 5	23 23 11	18°52'31	11♐ 3	5°33	5°17	8°27	15°15	18°55	25°31	0°25	18°31	28°59	29°53	4°50	12°54	S 5
M 6	23 27 8	19°51'20	23° 9	5° 2	6°14	9° 4	15°13	18°57	25°32	0°23	18°32	28°R59	29°50	4°57	12°51	M 6
T 7	23 31 4	20°50'12	5♑33	4°24	7°10	9°41	15°11	18°59	25°33	0°22	18°33	28°58	29°46	5° 4	12°49	T 7
W 8	23 35 1	21°49'05	18°19	3°39	8° 6	10°18	15° 9	19° 1	25°34	0°20	18°33	28°55	29°43	5°10	12°46	W 8
T 9	23 38 57	22°47'59	1♒32	2°47	9° 2	10°55	15° 7	19° 3	25°34	0°19	18°34	28°49	29°40	5°17	12°44	T 9
F 10	23 42 54	23°46'56	15°13	1°50	9°57	11°32	15° 5	19° 5	25°35	0°17	18°35	28°42	29°37	5°23	12°41	F 10
S 11	23 46 50	24°45'54	29°21	0°47	10°51	12° 9	15° 2	19° 8	25°36	0°16	18°36	28°32	29°34	5°30	12°38	S 11
S 12	23 50 47	25°44'55	13♓54	29♍41	11°45	12°46	14°59	19°10	25°37	0°14	18°37	28°22	29°31	5°37	12°36	S 12
M13	23 54 43	26°43'57	28°45	28°32	12°39	13°23	14°56	19°13	25°37	0°13	18°37	28°13	29°27	5°43	12°33	M13
T 14	23 58 40	27°43'01	13♈45	27°24	13°31	14° 0	14°53	19°16	25°38	0°11	18°38	28° 5	29°24	5°50	12°30	T 14
W15	0 2 37	28°42'08	28°45	26°16	14°24	14°36	14°49	19°18	25°38	0°10	18°39	28° 0	29°21	5°57	12°28	W15
T 16	0 6 33	29°41'17	13♉36	25°11	15°15	15°13	14°46	19°21	25°39	0° 9	18°40	27°57	29°18	6° 3	12°25	T 16
F 17	0 10 30	0♎40'28	28°12	24°12	16° 6	15°50	14°42	19°24	25°39	0° 7	18°40	27°D56	29°15	6°10	12°22	F 17
S 18	0 14 26	1°39'41	12♊29	23°19	16°56	16°26	14°38	19°27	25°40	0° 6	18°41	27°56	29°12	6°17	12°20	S 18
S 19	0 18 23	2°38'57	26°26	22°35	17°45	17° 3	14°34	19°30	25°40	0° 5	18°42	27°R57	29° 8	6°23	12°17	S 19
M20	0 22 19	3°38'16	10♋ 3	21°59	18°34	17°39	14°29	19°34	25°40	0° 3	18°42	27°57	29° 5	6°30	12°14	M20
T 21	0 26 16	4°37'37	23°21	21°34	19°22	18°16	14°25	19°37	25°41	0° 2	18°43	27°55	29° 2	6°37	12°11	T 21
W22	0 30 12	5°37'00	6♌23	21°19	20° 9	18°52	14°20	19°40	25°41	0° 1	18°43	27°51	28°59	6°43	12° 8	W22
T 23	0 34 9	6°36'25	19°10	21°D16	20°55	19°29	14°15	19°44	25°41	29♒59	18°44	27°45	28°56	6°50	12° 6	T 23
F 24	0 38 6	7°35'53	1♍45	21°23	21°41	20° 5	14°10	19°47	25°41	29°58	18°44	27°37	28°52	6°57	12° 3	F 24
S 25	0 42 2	8°35'22	14° 8	21°40	22°25	20°42	14° 5	19°51	25°R41	29°57	18°45	27°28	28°49	7° 3	12° 0	S 25
S 26	0 45 59	9°34'54	26°22	22° 8	23° 9	21°18	13°59	19°55	25°41	29°56	18°45	27°18	28°46	7°10	11°57	S 26
M27	0 49 55	10°34'29	8♎26	22°46	23°52	21°54	13°54	19°58	25°41	29°55	18°46	27°10	28°43	7°17	11°54	M27
T 28	0 53 52	11°34'05	20°24	23°32	24°33	22°30	13°48	20° 2	25°41	29°53	18°46	27° 3	28°40	7°23	11°52	T 28
W29	0 57 48	12°33'43	2♏15	24°26	25°14	23° 6	13°42	20° 6	25°40	29°52	18°47	26°57	28°37	7°30	11°49	W29
T 30	1 1 45	13♎33'23	14♏ 2	25♍27	25♏53	23♌42	13♉36	20♐10	25♊40	29♒51	18♋47	26♏54	28♏33	7♏37	11♈46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n57	11s58	2s56	6s 5	3s51	14s44	2s54	19n58	1n 9	15n17	1s17	22s 7	0n57	23n38	0n10	12s11	0s54	24n37	2n22	20s 3	20s15	15s 9	7n10	2n10
T 2	5 34	15 20	2 1	6 7	3 54	15 10	3 0	19 49	1 9	15 16	1 17	22 7	0 57	23 38	0 10	12 11	0 54	24 37	2 22	20 2	20 15	15 10	7 9	2 10
F 3	5 11	18 4	1 2	6 4	3 55	15 35	3 5	19 40	1 10	15 16	1 17	22 8	0 57	23 38	0 10	12 12	0 54	24 37	2 22	20 1	20 14	15 12	7 8	2 10
S 4	4 48	20 2	0n 1	5 58	3 55	16 0	3 11	19 31	1 10	15 15	1 17	22 8	0 57	23 38	0 10	12 12	0 54	24 37	2 23	20 1	20 13	15 13	7 7	2 10
S 5	4 25	21 8	1 4	5 47	3 54	16 25	3 16	19 22	1 11	15 15	1 17	22 8	0 57	23 38	0 10	12 13	0 54	24 37	2 23	20 1	20 13	15 15	7 6	2 10
M 6	4 2	21 17	2 5	5 32	3 51	16 50	3 22	19 13	1 11	15 14	1 17	22 8	0 57	23 38	0 10	12 13	0 54	24 37	2 23	20 1	20 12	15 16	7 5	2 10
T 7	3 39	20 24	3 2	5 13	3 46	17 14	3 28	19 3	1 12	15 14	1 18	22 9	0 56	23 38	0 10	12 14	0 54	24 37	2 23	20 1	20 11	15 18	7 4	2 10
W 8	3 16	18 27	3 52	4 49	3 40	17 38	3 33	18 54	1 12	15 13	1 18	22 9	0 56	23 38	0 10	12 14	0 54	24 37	2 23	20 0	20 11	15 19	7 3	2 10
T 9	2 52	15 30	4 31	4 21	3 31	18 1	3 38	18 44	1 13	15 12	1 18	22 10	0 56	23 38	0 10	12 15	0 54	24 37	2 23	19 59	20 10	15 21	7 2	2 10
F 10	2 29	11 38	4 56	3 48	3 21	18 24	3 44	18 34	1 13	15 11	1 18	22 10	0 56	23 38	0 10	12 15	0 54	24 37	2 23	19 57	20 9	15 22	7 1	2 9
S 11	2 5	7 0	5 4	3 12	3 9	18 46	3 49	18 24	1 14	15 10	1 18	22 10	0 56	23 38	0 10	12 16	0 54	24 37	2 23	19 55	20 9	15 24	7 0	2 9
S 12	1 42	1 51	4 53	2 33	2 55	19 9	3 55	18 14	1 14	15 9	1 18	22 11	0 56	23 38	0 10	12 17	0 54	24 37	2 23	19 53	20 8	15 25	6 59	2 9
M13	1 18	3n31	4 22	1 51	2 39	19 30	4 0	18 4	1 15	15 8	1 18	22 11	0 55	23 38	0 10	12 17	0 54	24 37	2 24	19 51	20 7	15 27	6 58	2 9
T 14	0 55	8 43	3 33	1 8	2 22	19 52	4 5	17 54	1 15	15 7	1 19	22 11	0 55	23 38	0 10	12 18	0 54	24 37	2 24	19 49	20 7	15 28	6 57	2 9
W15	0 31	13 24	2 30	0 24	2 3	20 12	4 10	17 44	1 16	15 6	1 19	22 12	0 55	23 38	0 10	12 18	0 54	24 37	2 24	19 48	20 6	15 29	6 56	2 9
T 16	0 7	17 12	1 16	0n20	1 44	20 33	4 16	17 33	1 16	15 5	1 19	22 12	0 55	23 39	0 10	12 19	0 54	24 37	2 24	19 47	20 5	15 31	6 55	2 9
F 17	0s16	19 49	0s 1	1 2	1 23	20 53	4 21	17 23	1 17	15 4	1 19	22 12	0 55	23 39	0 10	12 19	0 54	24 37	2 24	19 47	20 5	15 32	6 53	2 9
S 18	0 40	21 7	1 17	1 42	1 3	21 12	4 26	17 12	1 17	15 2	1 19	22 13	0 55	23 39	0 10	12 19	0 54	24 37	2 24	19 47	20 4	15 34	6 52	2 9
S 19	1 3	21 3	2 27	2 18	0 43	21 31	4 30	17 2	1 18	15 1	1 19	22 13	0 54	23 39	0 10	12 20	0 54	24 37	2 24	19 47	20 3	15 35	6 51	2 9
M20	1 27	19 44	3 26	2 51	0 23	21 50	4 35	16 51	1 18	15 0	1 19	22 14	0 54	23 39	0 10	12 20	0 54	24 37	2 24	19 47	20 2	15 37	6 50	2 9
T 21	1 51	17 21	4 13	3 18	0 4	22 8	4 40	16 40	1 19	14 58	1 19	22 14	0 54	23 39	0 10	12 21	0 54	24 37	2 25	19 47	20 2	15 38	6 49	2 9
W22	2 14	14 8	4 46	3 41	0n14	22 25	4 45	16 29	1 19	14 57	1 19	22 15	0 54	23 39	0 10	12 21	0 54	24 37	2 25	19 46	20 1	15 40	6 48	2 9
T 23	2 38	10 20	5 4	3 58	0 31	22 42	4 49	16 18	1 20	14 55	1 19	22 15	0 54	23 39	0 10	12 22	0 54	24 37	2 25	19 45	20 0	15 41	6 47	2 9
F 24	3 2	6 8	5 6	4 9	0 47	22 59	4 54	16 7	1 20	14 54	1 20	22 15	0 54	23 39	0 10	12 22	0 54	24 37	2 25	19 43	20 0	15 43	6 45	2 9
S 25	3 25	1 45	4 54	4 15	1 1	23 15	4 58	15 56	1 21	14 52	1 20	22 16	0 53	23 39	0 10	12 23	0 54	24 37	2 25	19 41	19 59	15 44	6 44	2 9
S 26	3 49	2s40	4 29	4 15	1 13	23 30	5 2	15 45	1 21	14 50	1 20	22 16	0 53	23 39	0 10	12 23	0 54	24 37	2 25	19 39	19 58	15 45	6 43	2 9
M27	4 12	6 54	3 52	4 11	1 25	23 45	5 6	15 33	1 22	14 48	1 20	22 17	0 53	23 39	0 10	12 23	0 54	24 37	2 25	19 37	19 58	15 47	6 42	2 9
T 28	4 36	10 51	3 5	4 1	1 34	24 0	5 10	15 22	1 22	14 47	1 20	22 17	0 53	23 39	0 10	12 24	0 54	24 37	2 26	19 35	19 57	15 48	6 41	2 9
W29	4 59	14 20	2 10	3 47	1 42	24 13	5 14	15 11	1 23	14 45	1 20	22 18	0 53	23 39	0 11	12 24	0 54	24 37	2 26	19 34	19 56	15 50	6 40	2 9
T 30	5s22	17s13	1s 9	3n29	1n49	24s26	5s17	14n59	1n23	14n43	1s20	22s18	0n53	23n39	0n11	12s25	0s54	24n38	2n26	19s33	19s55	15s51	6n38	2n 8

Julian Day Number = 2157044.5, Delta T = 13m35s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'50, Lahiri = 12°36'50 Julian Calendar 1 Sept. 1193 == Greg. Calendar 8 Sept. 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

OCTOBER 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 5 41	14♎33'05	25♏48	26♍34	26♏31	24♌18	13°R30	20♐14	25°R40	29°R50	18♋47	26°D53	28♏30	7♏43	11°R43	F 1
S 2	1 9 38	15°32'49	7♐36	27°47	27° 8	24°54	13♉23	20°18	25♊40	29♒49	18°47	26♏54	28°27	7°50	11♈40	S 2
S 3	1 13 34	16°32'35	19°31	29° 5	27°44	25°30	13°17	20°23	25°39	29°48	18°48	26°55	28°24	7°57	11°38	S 3
M 4	1 17 31	17°32'23	1♑36	0♎27	28°19	26° 6	13°10	20°27	25°39	29°47	18°48	26°57	28°21	8° 3	11°35	M 4
T 5	1 21 28	18°32'12	13°58	1°52	28°52	26°42	13° 4	20°31	25°38	29°46	18°48	26°R58	28°18	8°10	11°32	T 5
W 6	1 25 24	19°32'03	26°39	3°20	29°23	27°17	12°57	20°36	25°38	29°45	18°48	26°58	28°14	8°17	11°29	W 6
T 7	1 29 21	20°31'56	9♒46	4°51	29°54	27°53	12°50	20°41	25°37	29°44	18°49	26°56	28°11	8°23	11°26	T 7
F 8	1 33 17	21°31'51	23°21	6°24	0♐22	28°29	12°43	20°45	25°36	29°43	18°49	26°53	28° 8	8°30	11°24	F 8
S 9	1 37 14	22°31'47	7♓25	7°58	0°49	29° 4	12°35	20°50	25°35	29°43	18°49	26°48	28° 5	8°36	11°21	S 9
S 10	1 41 10	23°31'45	21°56	9°34	1°15	29°40	12°28	20°55	25°35	29°42	18°49	26°43	28° 2	8°43	11°18	S 10
M11	1 45 7	24°31'44	6♈50	11°10	1°38	0♍15	12°21	20°59	25°34	29°41	18°49	26°38	27°58	8°50	11°15	M11
T 12	1 49 3	25°31'45	21°59	12°48	2° 0	0°51	12°13	21° 4	25°33	29°40	18°49	26°34	27°55	8°56	11°13	T 12
W13	1 53 0	26°31'49	7♉14	14°25	2°20	1°26	12° 6	21° 9	25°32	29°39	18°R49	26°32	27°52	9° 3	11°10	W13
T 14	1 56 57	27°31'54	22°23	16° 4	2°38	2° 1	11°58	21°14	25°31	29°39	18°49	26°D31	27°49	9°10	11° 7	T 14
F 15	2 0 53	28°32'02	7♊18	17°42	2°55	2°36	11°50	21°20	25°30	29°38	18°49	26°31	27°46	9°16	11° 5	F 15
S 16	2 4 50	29°32'11	21°53	19°21	3° 9	3°12	11°43	21°25	25°29	29°37	18°49	26°32	27°43	9°23	11° 2	S 16
S 17	2 8 46	0♏32'23	6♋ 4	20°59	3°21	3°47	11°35	21°30	25°28	29°37	18°49	26°34	27°39	9°30	10°59	S 17
M18	2 12 43	1°32'36	19°49	22°38	3°30	4°22	11°27	21°35	25°27	29°36	18°49	26°35	27°36	9°36	10°57	M18
T 19	2 16 39	2°32'52	3♌10	24°16	3°38	4°57	11°19	21°41	25°25	29°36	18°49	26°R35	27°33	9°43	10°54	T 19
W20	2 20 36	3°33'10	16° 9	25°55	3°44	5°32	11°11	21°46	25°24	29°35	18°49	26°35	27°30	9°50	10°52	W20
T 21	2 24 32	4°33'30	28°49	27°33	3°47	6° 6	11° 3	21°52	25°23	29°35	18°48	26°33	27°27	9°56	10°49	T 21
F 22	2 28 29	5°33'51	11♍13	29°11	3°R47	6°41	10°55	21°57	25°21	29°34	18°48	26°30	27°23	10° 3	10°47	F 22
S 23	2 32 26	6°34'15	23°25	0♏48	3°46	7°16	10°46	22° 3	25°20	29°34	18°48	26°27	27°20	10°10	10°44	S 23
S 24	2 36 22	7°34'40	5♎27	2°26	3°42	7°50	10°38	22° 8	25°19	29°33	18°48	26°24	27°17	10°16	10°42	S 24
M25	2 40 19	8°35'08	17°22	4° 3	3°35	8°25	10°30	22°14	25°17	29°33	18°47	26°21	27°14	10°23	10°39	M25
T 26	2 44 15	9°35'37	29°12	5°40	3°26	9° 0	10°22	22°20	25°16	29°33	18°47	26°19	27°11	10°30	10°37	T 26
W27	2 48 12	10°36'08	11♏ 0	7°16	3°15	9°34	10°14	22°26	25°14	29°33	18°47	26°17	27° 8	10°36	10°35	W27
T 28	2 52 8	11°36'40	22°47	8°53	3° 1	10° 8	10° 6	22°32	25°12	29°32	18°46	26°D16	27° 4	10°43	10°32	T 28
F 29	2 56 5	12°37'15	4♐37	10°29	2°45	10°43	9°57	22°37	25°11	29°32	18°46	26°16	27° 1	10°50	10°30	F 29
S 30	3 0 1	13°37'50	16°30	12° 4	2°27	11°17	9°49	22°43	25° 9	29°32	18°45	26°17	26°58	10°56	10°28	S 30
S 31	3 3 58	14♏38'27	28♐30	13♏40	2♐ 6	11♍51	9♉41	22♐49	25♊ 7	29♒32	18♋45	26♏18	26♏55	11♏ 3	10♈26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s46	19s23	0s 6	3n 7	1n54	24s39	5s21	14n48	1n24	14n41	1s20	22s18	0n53	23n39	0n11	12s25	0s54	24n38	2n26	19s33	19s55	15s52	6n37	2n 8	F 1
S 2	6 9	20 43	0n58	2 41	1 58	24 51	5 24	14 36	1 24	14 39	1 20	22 19	0 52	23 39	0 11	12 25	0 54	24 38	2 26	19 33	19 54	15 54	6 36	2 8	S 2
S 3	6 32	21 8	2 0	2 13	2 1	25 2	5 27	14 24	1 25	14 37	1 20	22 19	0 52	23 39	0 11	12 26	0 54	24 38	2 26	19 33	19 53	15 55	6 35	2 8	S 3
M 4	6 55	20 34	2 58	1 42	2 3	25 13	5 30	14 13	1 25	14 35	1 20	22 20	0 52	23 39	0 11	12 26	0 54	24 38	2 26	19 34	19 53	15 57	6 34	2 8	M 4
T 5	7 18	19 1	3 49	1 9	2 4	25 23	5 32	14 1	1 26	14 33	1 20	22 20	0 52	23 39	0 11	12 26	0 54	24 38	2 26	19 34	19 52	15 58	6 33	2 8	T 5
W 6	7 41	16 30	4 30	0 34	2 4	25 33	5 35	13 49	1 26	14 31	1 20	22 21	0 52	23 39	0 11	12 27	0 54	24 38	2 27	19 34	19 51	15 59	6 31	2 8	W 6
T 7	8 3	13 5	4 59	0s 3	2 3	25 42	5 37	13 37	1 27	14 29	1 20	22 21	0 52	23 39	0 11	12 27	0 54	24 38	2 27	19 33	19 50	16 1	6 30	2 8	T 7
F 8	8 26	8 53	5 12	0 42	2 1	25 50	5 39	13 25	1 27	14 27	1 20	22 22	0 52	23 39	0 11	12 27	0 54	24 38	2 27	19 33	19 50	16 2	6 29	2 8	F 8
S 9	8 48	4 4	5 7	1 21	1 59	25 57	5 40	13 13	1 28	14 25	1 20	22 22	0 51	23 39	0 11	12 27	0 54	24 38	2 27	19 32	19 49	16 4	6 28	2 8	S 9
S 10	9 11	1n 7	4 43	2 1	1 56	26 4	5 42	13 1	1 28	14 22	1 20	22 23	0 51	23 39	0 11	12 28	0 54	24 39	2 27	19 30	19 48	16 5	6 27	2 8	S 10
M11	9 33	6 23	3 59	2 42	1 53	26 10	5 43	12 49	1 29	14 20	1 20	22 23	0 51	23 39	0 11	12 28	0 54	24 39	2 27	19 29	19 48	16 6	6 26	2 7	M11
T 12	9 55	11 21	2 58	3 24	1 49	26 15	5 43	12 37	1 29	14 18	1 20	22 24	0 51	23 39	0 11	12 28	0 54	24 39	2 27	19 28	19 47	16 8	6 24	2 7	T 12
W13	10 17	15 37	1 44	4 6	1 45	26 20	5 44	12 25	1 30	14 15	1 20	22 24	0 51	23 39	0 11	12 28	0 53	24 39	2 27	19 28	19 46	16 9	6 23	2 7	W13
T 14	10 38	18 49	0 23	4 48	1 40	26 24	5 44	12 12	1 30	14 13	1 20	22 24	0 51	23 39	0 11	12 29	0 53	24 39	2 28	19 27	19 45	16 10	6 22	2 7	T 14
F 15	11 0	20 39	0s59	5 31	1 35	26 27	5 44	12 0	1 31	14 11	1 20	22 25	0 51	23 39	0 11	12 29	0 53	24 39	2 28	19 28	19 45	16 12	6 21	2 7	F 15
S 16	11 21	21 3	2 15	6 13	1 30	26 29	5 43	11 48	1 31	14 8	1 20	22 25	0 50	23 39	0 11	12 29	0 53	24 39	2 28	19 28	19 44	16 13	6 20	2 7	S 16
S 17	11 43	20 4	3 21	6 56	1 24	26 30	5 42	11 36	1 32	14 6	1 20	22 26	0 50	23 39	0 11	12 29	0 53	24 39	2 28	19 28	19 43	16 14	6 19	2 7	S 17
M18	12 4	17 54	4 13	7 38	1 18	26 30	5 40	11 23	1 32	14 4	1 20	22 26	0 50	23 39	0 11	12 30	0 53	24 40	2 28	19 28	19 43	16 16	6 18	2 7	M18
T 19	12 25	14 50	4 49	8 20	1 12	26 30	5 38	11 11	1 33	14 1	1 20	22 27	0 50	23 39	0 11	12 30	0 53	24 40	2 28	19 29	19 42	16 17	6 16	2 7	T 19
W20	12 45	11 8	5 10	9 2	1 6	26 28	5 36	10 58	1 33	13 59	1 20	22 27	0 50	23 39	0 11	12 30	0 53	24 40	2 28	19 28	19 41	16 18	6 15	2 6	W20
T 21	13 6	7 1	5 15	9 43	1 0	26 26	5 33	10 46	1 34	13 56	1 20	22 28	0 50	23 39	0 11	12 30	0 53	24 40	2 29	19 28	19 40	16 20	6 14	2 6	T 21
F 22	13 26	2 41	5 5	10 24	0 53	26 23	5 29	10 33	1 35	13 54	1 20	22 28	0 50	23 39	0 11	12 30	0 53	24 40	2 29	19 27	19 40	16 21	6 13	2 6	F 22
S 23	13 46	1s41	4 41	11 4	0 47	26 18	5 25	10 21	1 35	13 51	1 20	22 29	0 50	23 39	0 11	12 30	0 53	24 40	2 29	19 27	19 39	16 22	6 12	2 6	S 23
S 24	14 6	5 55	4 5	11 44	0 40	26 13	5 20	10 8	1 36	13 49	1 20	22 29	0 49	23 38	0 11	12 30	0 53	24 41	2 29	19 26	19 38	16 24	6 11	2 6	S 24
M25	14 26	9 54	3 19	12 24	0 34	26 7	5 15	9 56	1 36	13 46	1 20	22 30	0 49	23 38	0 11	12 31	0 53	24 41	2 29	19 25	19 38	16 25	6 10	2 6	M25
T 26	14 45	13 29	2 24	13 2	0 27	25 59	5 9	9 43	1 37	13 44	1 20	22 30	0 49	23 38	0 11	12 31	0 53	24 41	2 29	19 25	19 37	16 26	6 9	2 6	T 26
W27	15 4	16 31	1 24	13 41	0 20	25 51	5 3	9 31	1 37	13 42	1 19	22 30	0 49	23 38	0 11	12 31	0 53	24 41	2 29	19 24	19 36	16 28	6 8	2 6	W27
T 28	15 23	18 52	0 19	14 18	0 14	25 41	4 56	9 18	1 38	13 39	1 19	22 31	0 49	23 38	0 11	12 31	0 53	24 41	2 29	19 24	19 35	16 29	6 7	2 5	T 28
F 29	15 42	20 24	0n46	14 55	0 7	25 30	4 48	9 6	1 38	13 37	1 19	22 31	0 49	23 38	0 11	12 31	0 53	24 41	2 30	19 24	19 35	16 30	6 6	2 5	F 29
S 30	16 0	21 2	1 50	15 31	0 0	25 18	4 40	8 53	1 39	13 34	1 19	22 32	0 49	23 38	0 11	12 31	0 53	24 42	2 30	19 24	19 34	16 31	6 5	2 5	S 30
S 31	16s18	20s42	2n50	16s 7	0s 6	25s 5	4s31	8n41	1n39	13n32	1s19	22s32	0n49	23n38	0n11	12s31	0s53	24n42	2n30	19s25	19s33	16s33	6n 4	2n 5	S 31

Julian Day Number = 2157074.5, Delta T = 13m35s
Ecliptic obliquity = 23°32'34, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'54, Lahiri = 12°36'54 Julian Calendar 1 Oct. 1193 == Greg. Calendar 8 Oct. 1193

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ASTRODIENST EPHEMERIS for the year 1193
geocentric

NOVEMBER 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 7 55	15♏39'05	10♉40	15♏15	1°R43	12♍25	9°R33	22♐56	25°R 5	29°R32	18°R45	26♏20	26♏52	11♏ 9	10°R23	M 1
T 2	3 11 51	16°39'45	23° 3	16°50	1♐18	12°59	9♉25	23° 2	25♊ 4	29♒32	18♋44	26°20	26°49	11°16	10♈21	T 2
W 3	3 15 48	17°40'26	5♒43	18°25	0°51	13°33	9°17	23° 8	25° 2	29°31	18°44	26°21	26°45	11°23	10°19	W 3
T 4	3 19 44	18°41'07	18°45	19°59	0°22	14° 7	9° 9	23°14	25° 0	29°D31	18°43	26°R21	26°42	11°29	10°17	T 4
F 5	3 23 41	19°41'50	2♓10	21°34	29♏51	14°40	9° 1	23°20	24°58	29°31	18°42	26°21	26°39	11°36	10°15	F 5
S 6	3 27 37	20°42'34	16° 1	23° 8	29°19	15°14	8°53	23°27	24°56	29°32	18°42	26°21	26°36	11°43	10°13	S 6
S 7	3 31 34	21°43'19	0♈17	24°42	28°45	15°47	8°45	23°33	24°54	29°32	18°41	26°20	26°33	11°49	10°11	S 7
M 8	3 35 30	22°44'05	14°58	26°16	28°11	16°21	8°38	23°39	24°52	29°32	18°41	26°20	26°29	11°56	10° 9	M 8
T 9	3 39 27	23°44'53	29°57	27°50	27°35	16°54	8°30	23°46	24°50	29°32	18°40	26°19	26°26	12° 3	10° 7	T 9
W10	3 43 24	24°45'41	15♉ 8	29°24	26°59	17°27	8°22	23°52	24°48	29°32	18°39	26°19	26°23	12° 9	10° 6	W10
T 11	3 47 20	25°46'30	0♊21	0♐58	26°23	18° 1	8°15	23°59	24°46	29°32	18°39	26°D19	26°20	12°16	10° 4	T 11
F 12	3 51 17	26°47'21	15°25	2°31	25°46	18°34	8° 8	24° 5	24°43	29°33	18°38	26°R19	26°17	12°23	10° 2	F 12
S 13	3 55 13	27°48'13	0♋14	4° 5	25°10	19° 7	8° 0	24°12	24°41	29°33	18°37	26°19	26°14	12°29	10° 0	S 13
S 14	3 59 10	28°49'07	14°39	5°39	24°34	19°40	7°53	24°18	24°39	29°33	18°36	26°19	26°10	12°36	9°59	S 14
M15	4 3 6	29°50'02	28°37	7°12	23°59	20°12	7°46	24°25	24°37	29°34	18°36	26°19	26° 7	12°43	9°57	M15
T 16	4 7 3	0♐50'58	12♌ 8	8°46	23°24	20°45	7°39	24°32	24°34	29°34	18°35	26°18	26° 4	12°49	9°56	T 16
W17	4 10 59	1°51'55	25°13	10°19	22°51	21°18	7°32	24°38	24°32	29°34	18°34	26°18	26° 1	12°56	9°54	W17
T 18	4 14 56	2°52'53	7♍54	11°52	22°19	21°50	7°26	24°45	24°30	29°35	18°33	26°D18	25°58	13° 3	9°53	T 18
F 19	4 18 53	3°53'53	20°16	13°26	21°49	22°23	7°19	24°52	24°27	29°35	18°32	26°18	25°55	13° 9	9°51	F 19
S 20	4 22 49	4°54'54	2♎23	14°59	21°20	22°55	7°13	24°59	24°25	29°36	18°31	26°19	25°51	13°16	9°50	S 20
S 21	4 26 46	5°55'56	14°19	16°33	20°53	23°27	7° 6	25° 5	24°23	29°37	18°30	26°20	25°48	13°22	9°49	S 21
M22	4 30 42	6°56'59	26° 9	18° 6	20°29	23°59	7° 0	25°12	24°20	29°37	18°30	26°21	25°45	13°29	9°47	M22
T 23	4 34 39	7°58'03	7♏56	19°39	20° 6	24°31	6°54	25°19	24°18	29°38	18°29	26°22	25°42	13°36	9°46	T 23
W24	4 38 35	8°59'08	19°43	21°12	19°46	25° 3	6°49	25°26	24°15	29°38	18°28	26°23	25°39	13°42	9°45	W24
T 25	4 42 32	10° 0'14	1♐34	22°45	19°28	25°35	6°43	25°33	24°13	29°39	18°27	26°R23	25°35	13°49	9°44	T 25
F 26	4 46 28	11° 1'21	13°29	24°18	19°12	26° 7	6°37	25°40	24°10	29°40	18°26	26°22	25°32	13°56	9°43	F 26
S 27	4 50 25	12° 2'28	25°33	25°50	18°59	26°38	6°32	25°47	24° 8	29°41	18°25	26°20	25°29	14° 2	9°42	S 27
S 28	4 54 22	13° 3'36	7♑45	27°23	18°49	27° 9	6°27	25°54	24° 5	29°41	18°24	26°18	25°26	14° 9	9°41	S 28
M29	4 58 18	14° 4'45	20° 7	28°54	18°40	27°41	6°22	26° 1	24° 3	29°42	18°23	26°15	25°23	14°16	9°40	M29
T 30	5 2 15	15♐ 5'54	2♒42	0♑26	18♏35	28♍12	6♉17	26♐ 8	24♊ 0	29♒43	18♋21	26♏12	25♏20	14♏22	9♈39	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	16s36	19s25	3n42	16s41	0s13	24s51	4s21	8n28	1n40	13n29	1s19	22s33	0n49	23n38	0n11	12s31	0s53	24n42	2n30	19s25	19s32	16s34	6n 3	2n 5	M 1
T 2	16 53	17 12	4 26	17 15	0 20	24 36	4 11	8 15	1 40	13 27	1 19	22 33	0 48	23 38	0 11	12 31	0 53	24 42	2 30	19 25	19 32	16 35	6 2	2 5	T 2
W 3	17 11	14 7	4 58	17 48	0 26	24 19	4 0	8 3	1 41	13 24	1 19	22 34	0 48	23 38	0 11	12 31	0 53	24 42	2 30	19 25	19 31	16 37	6 1	2 5	W 3
T 4	17 27	10 16	5 15	18 20	0 33	24 2	3 48	7 50	1 41	13 22	1 18	22 34	0 48	23 38	0 11	12 31	0 53	24 43	2 30	19 25	19 30	16 38	6 0	2 5	T 4
F 5	17 44	5 49	5 16	18 52	0 39	23 43	3 36	7 38	1 42	13 20	1 18	22 34	0 48	23 38	0 11	12 31	0 53	24 43	2 30	19 25	19 29	16 39	5 59	2 4	F 5
S 6	18 0	0 56	5 0	19 22	0 45	23 24	3 23	7 25	1 42	13 17	1 18	22 35	0 48	23 38	0 11	12 31	0 53	24 43	2 31	19 25	19 29	16 40	5 58	2 4	S 6
S 7	18 16	4n 9	4 24	19 51	0 51	23 4	3 10	7 12	1 43	13 15	1 18	22 35	0 48	23 38	0 11	12 31	0 53	24 43	2 31	19 25	19 28	16 42	5 57	2 4	S 7
M 8	18 32	9 9	3 31	20 20	0 57	22 42	2 57	7 0	1 43	13 13	1 18	22 36	0 48	23 38	0 11	12 31	0 53	24 43	2 31	19 25	19 27	16 43	5 56	2 4	M 8
T 9	18 47	13 43	2 22	20 47	1 3	22 20	2 42	6 47	1 44	13 10	1 18	22 36	0 48	23 38	0 11	12 31	0 53	24 44	2 31	19 25	19 26	16 44	5 55	2 4	T 9
W10	19 2	17 26	1 2	21 14	1 9	21 58	2 28	6 35	1 44	13 8	1 17	22 36	0 48	23 38	0 11	12 31	0 53	24 44	2 31	19 25	19 26	16 45	5 54	2 4	W10
T 11	19 17	19 57	0s22	21 39	1 15	21 35	2 13	6 22	1 45	13 6	1 17	22 37	0 47	23 38	0 11	12 31	0 53	24 44	2 31	19 25	19 25	16 47	5 54	2 3	T 11
F 12	19 31	21 1	1 44	22 4	1 20	21 11	1 58	6 10	1 45	13 4	1 17	22 37	0 47	23 37	0 11	12 30	0 53	24 44	2 31	19 25	19 24	16 48	5 53	2 3	F 12
S 13	19 45	20 35	2 58	22 27	1 25	20 48	1 42	5 57	1 46	13 2	1 17	22 38	0 47	23 37	0 11	12 30	0 53	24 44	2 31	19 25	19 23	16 49	5 52	2 3	S 13
S 14	19 59	18 47	3 58	22 49	1 30	20 24	1 27	5 45	1 47	12 59	1 17	22 38	0 47	23 37	0 11	12 30	0 53	24 45	2 32	19 25	19 23	16 50	5 51	2 3	S 14
M15	20 12	15 55	4 42	23 10	1 35	20 0	1 11	5 32	1 47	12 57	1 16	22 38	0 47	23 37	0 11	12 30	0 53	24 45	2 32	19 25	19 22	16 52	5 50	2 3	M15
T 16	20 25	12 17	5 9	23 30	1 40	19 36	0 56	5 20	1 48	12 55	1 16	22 39	0 47	23 37	0 11	12 30	0 53	24 45	2 32	19 25	19 21	16 53	5 50	2 3	T 16
W17	20 37	8 10	5 18	23 49	1 45	19 13	0 40	5 7	1 48	12 53	1 16	22 39	0 47	23 37	0 11	12 30	0 53	24 45	2 32	19 25	19 20	16 54	5 49	2 2	W17
T 18	20 50	3 49	5 12	24 6	1 49	18 49	0 25	4 55	1 49	12 51	1 16	22 40	0 47	23 37	0 11	12 29	0 53	24 46	2 32	19 25	19 20	16 55	5 48	2 2	T 18
F 19	21 1	0s35	4 51	24 22	1 53	18 27	0 9	4 42	1 49	12 49	1 16	22 40	0 47	23 37	0 11	12 29	0 53	24 46	2 32	19 25	19 19	16 56	5 47	2 2	F 19
S 20	21 12	4 53	4 17	24 37	1 56	18 5	0n 6	4 30	1 50	12 48	1 15	22 40	0 47	23 37	0 11	12 29	0 53	24 46	2 32	19 25	19 18	16 58	5 47	2 2	S 20
S 21	21 23	8 56	3 33	24 51	2 0	17 43	0 21	4 18	1 50	12 46	1 15	22 41	0 46	23 37	0 11	12 29	0 53	24 46	2 32	19 25	19 17	16 59	5 46	2 2	S 21
M22	21 34	12 37	2 40	25 3	2 3	17 23	0 35	4 6	1 51	12 44	1 15	22 41	0 46	23 37	0 11	12 29	0 53	24 47	2 32	19 25	19 17	17 0	5 45	2 2	M22
T 23	21 44	15 48	1 41	25 14	2 6	17 3	0 49	3 53	1 51	12 42	1 15	22 41	0 46	23 37	0 11	12 28	0 53	24 47	2 33	19 25	19 16	17 1	5 45	2 1	T 23
W24	21 54	18 20	0 37	25 23	2 8	16 45	1 3	3 41	1 52	12 41	1 14	22 42	0 46	23 36	0 11	12 28	0 53	24 47	2 33	19 26	19 15	17 2	5 44	2 1	W24
T 25	22 3	20 6	0n29	25 31	2 10	16 27	1 16	3 29	1 53	12 39	1 14	22 42	0 46	23 36	0 11	12 28	0 53	24 47	2 33	19 26	19 14	17 3	5 44	2 1	T 25
F 26	22 12	20 58	1 33	25 37	2 12	16 10	1 29	3 17	1 53	12 37	1 14	22 42	0 46	23 36	0 11	12 28	0 53	24 48	2 33	19 25	19 14	17 5	5 43	2 1	F 26
S 27	22 20	20 53	2 35	25 42	2 14	15 55	1 42	3 5	1 54	12 36	1 14	22 43	0 46	23 36	0 11	12 27	0 53	24 48	2 33	19 25	19 13	17 6	5 43	2 1	S 27
S 28	22 28	19 50	3 30	25 45	2 14	15 40	1 54	2 53	1 54	12 34	1 13	22 43	0 46	23 36	0 11	12 27	0 53	24 48	2 33	19 25	19 12	17 7	5 42	2 1	S 28
M29	22 35	17 49	4 15	25 47	2 15	15 27	2 5	2 41	1 55	12 33	1 13	22 43	0 46	23 36	0 11	12 27	0 53	24 48	2 33	19 24	19 11	17 8	5 42	2 0	M29
T 30	22s42	14s56	4n50	25s47	2s15	15s15	2n16	2n29	1n55	12n32	1s13	22s43	0n46	23n36	0n12	12s26	0s53	24n49	2n33	19s23	19s11	17s 9	5n41	2n 0	T 30

Julian Day Number = 2157105.5, Delta T = 13m35s
Ecliptic obliquity = 23°32'33, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°29'58, Lahiri = 12°36'59 Julian Calendar 1 Nov. 1193 == Greg. Calendar 8 Nov. 1193

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1193
geocentric

DECEMBER 1193 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 6 11	16♐ 7'03	15♒31	1♑56	18°R32	28♍43	6°R12	26♐15	23°R58	29♒44	18°R20	26°R10	25♏16	14♏29	9°R39	W 1
T 2	5 10 8	17° 8'12	28°35	3°26	18°D31	29°14	6♉ 8	26°22	23♊55	29°45	18♋19	26♏ 8	25°13	14°36	9♈38	T 2
F 3	5 14 4	18° 9'22	11♓57	4°55	18♏32	29°44	6° 4	26°29	23°53	29°46	18°18	26°D 7	25°10	14°42	9°37	F 3
S 4	5 18 1	19°10'31	25°37	6°23	18°36	0♎15	6° 0	26°36	23°50	29°47	18°17	26° 7	25° 7	14°49	9°37	S 4
S 5	5 21 57	20°11'41	9♈38	7°50	18°43	0°45	5°56	26°43	23°47	29°48	18°16	26° 8	25° 4	14°56	9°36	S 5
M 6	5 25 54	21°12'51	23°57	9°15	18°51	1°16	5°52	26°50	23°45	29°49	18°15	26° 9	25° 1	15° 2	9°36	M 6
T 7	5 29 51	22°14'01	8♉34	10°38	19° 2	1°46	5°48	26°57	23°42	29°50	18°14	26°10	24°57	15° 9	9°35	T 7
W 8	5 33 47	23°15'10	23°24	11°59	19°16	2°16	5°45	27° 4	23°40	29°51	18°12	26°R11	24°54	15°15	9°35	W 8
T 9	5 37 44	24°16'20	8♊20	13°17	19°31	2°46	5°42	27°11	23°37	29°53	18°11	26°11	24°51	15°22	9°35	T 9
F 10	5 41 40	25°17'31	23°16	14°31	19°48	3°15	5°39	27°18	23°35	29°54	18°10	26° 9	24°48	15°29	9°35	F 10
S 11	5 45 37	26°18'41	8♋ 2	15°42	20° 7	3°45	5°36	27°25	23°32	29°55	18° 9	26° 5	24°45	15°35	9°34	S 11
S 12	5 49 33	27°19'51	22°30	16°49	20°29	4°14	5°34	27°32	23°29	29°56	18° 8	26° 1	24°41	15°42	9°34	S 12
M13	5 53 30	28°21'02	6♌36	17°51	20°52	4°43	5°32	27°39	23°27	29°57	18° 6	25°56	24°38	15°49	9°34	M13
T 14	5 57 27	29°22'12	20°16	18°47	21°17	5°12	5°29	27°47	23°24	29°59	18° 5	25°51	24°35	15°55	9°D34	T 14
W15	6 1 23	0♑23'23	3♍28	19°36	21°44	5°41	5°28	27°54	23°22	0♓ 0	18° 4	25°46	24°32	16° 2	9°34	W15
T 16	6 5 20	1°24'34	16°15	20°18	22°12	6°10	5°26	28° 1	23°19	0° 1	18° 3	25°43	24°29	16° 9	9°34	T 16
F 17	6 9 16	2°25'46	28°41	20°51	22°42	6°39	5°24	28° 8	23°17	0° 3	18° 1	25°D42	24°26	16°15	9°34	F 17
S 18	6 13 13	3°26'57	10♎48	21°15	23°14	7° 7	5°23	28°15	23°14	0° 4	18° 0	25°42	24°22	16°22	9°35	S 18
S 19	6 17 9	4°28'09	22°44	21°29	23°47	7°35	5°22	28°22	23°12	0° 6	17°59	25°44	24°19	16°29	9°35	S 19
M20	6 21 6	5°29'20	4♏32	21°R32	24°22	8° 3	5°21	28°29	23° 9	0° 7	17°58	25°45	24°16	16°35	9°35	M20
T 21	6 25 2	6°30'32	16°19	21°23	24°58	8°31	5°20	28°36	23° 6	0° 9	17°56	25°47	24°13	16°42	9°36	T 21
W22	6 28 59	7°31'44	28° 7	21° 3	25°35	8°58	5°20	28°43	23° 4	0°10	17°55	25°R47	24°10	16°49	9°36	W22
T 23	6 32 56	8°32'55	10♐ 2	20°31	26°14	9°26	5°20	28°50	23° 2	0°12	17°54	25°46	24° 7	16°55	9°37	T 23
F 24	6 36 52	9°34'06	22° 7	19°47	26°54	9°53	5°D20	28°57	22°59	0°13	17°52	25°43	24° 3	17° 2	9°37	F 24
S 25	6 40 49	10°35'17	4♑22	18°53	27°35	10°20	5°20	29° 4	22°57	0°15	17°51	25°37	24° 0	17° 8	9°38	S 25
S 26	6 44 45	11°36'28	16°51	17°50	28°17	10°47	5°20	29°11	22°54	0°17	17°50	25°30	23°57	17°15	9°38	S 26
M27	6 48 42	12°37'38	29°33	16°40	29° 1	11°13	5°21	29°18	22°52	0°18	17°48	25°21	23°54	17°22	9°39	M27
T 28	6 52 38	13°38'47	12♒28	15°24	29°45	11°39	5°21	29°25	22°49	0°20	17°47	25°12	23°51	17°28	9°40	T 28
W29	6 56 35	14°39'56	25°35	14° 6	0♐30	12° 5	5°22	29°32	22°47	0°22	17°46	25° 3	23°47	17°35	9°41	W29
T 30	7 0 31	15°41'04	8♓54	12°48	1°17	12°31	5°24	29°39	22°45	0°23	17°44	24°56	23°44	17°42	9°42	T 30
F 31	7 4 28	16♑42'11	22♓25	11♑32	2♐ 4	12♎57	5♉25	29♐46	22♊42	0♓25	17♋43	24♏51	23♏41	17♏48	9♈43	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	22s49	11s19	5n10	25s46	2s14	15s 4	2n26	2n17	1n56	12n30	1s12	22s44	0n46	23n36	0n12	12s26	0s53	24n49	2n33	19s23	19s10	17s10	5n41	2n 0
T 2	22 55	7 5	5 15	25 43	2 13	14 54	2 36	2 5	1 56	12 29	1 12	22 44	0 46	23 36	0 12	12 26	0 53	24 49	2 34	19 22	19 9	17 12	5 40	2 0
F 3	23 1	2 26	5 4	25 38	2 11	14 46	2 46	1 54	1 57	12 28	1 12	22 44	0 45	23 36	0 12	12 25	0 53	24 49	2 34	19 22	19 8	17 13	5 40	2 0
S 4	23 6	2n27	4 35	25 32	2 9	14 38	2 55	1 42	1 58	12 27	1 12	22 45	0 45	23 35	0 12	12 25	0 52	24 50	2 34	19 22	19 8	17 14	5 39	2 0
S 5	23 11	7 20	3 49	25 24	2 6	14 32	3 3	1 30	1 58	12 26	1 11	22 45	0 45	23 35	0 12	12 25	0 52	24 50	2 34	19 22	19 7	17 15	5 39	1 59
M 6	23 15	11 56	2 48	25 15	2 2	14 27	3 11	1 19	1 59	12 25	1 11	22 45	0 45	23 35	0 12	12 24	0 52	24 50	2 34	19 22	19 6	17 16	5 39	1 59
T 7	23 19	15 56	1 36	25 4	1 58	14 23	3 18	1 7	1 59	12 24	1 11	22 45	0 45	23 35	0 12	12 24	0 52	24 50	2 34	19 23	19 5	17 17	5 38	1 59
W 8	23 22	18 57	0 15	24 52	1 52	14 19	3 25	0 56	2 0	12 23	1 10	22 45	0 45	23 35	0 12	12 23	0 52	24 51	2 34	19 23	19 4	17 18	5 38	1 59
T 9	23 25	20 42	1s 6	24 38	1 46	14 17	3 32	0 44	2 0	12 23	1 10	22 46	0 45	23 35	0 12	12 23	0 52	24 51	2 34	19 23	19 4	17 20	5 38	1 59
F 10	23 27	20 59	2 23	24 23	1 39	14 16	3 38	0 33	2 1	12 22	1 10	22 46	0 45	23 35	0 12	12 22	0 52	24 51	2 34	19 22	19 3	17 21	5 37	1 59
S 11	23 29	19 49	3 30	24 7	1 31	14 16	3 44	0 22	2 2	12 21	1 10	22 46	0 45	23 35	0 12	12 22	0 52	24 51	2 34	19 22	19 2	17 22	5 37	1 58
S 12	23 31	17 22	4 21	23 49	1 21	14 16	3 49	0 11	2 2	12 21	1 9	22 46	0 45	23 34	0 12	12 22	0 52	24 52	2 35	19 20	19 1	17 23	5 37	1 58
M13	23 32	13 56	4 55	23 31	1 11	14 18	3 54	0s 1	2 3	12 20	1 9	22 47	0 45	23 34	0 12	12 21	0 52	24 52	2 35	19 19	19 1	17 24	5 37	1 58
T 14	23 32	9 52	5 11	23 12	1 0	14 20	3 58	0 12	2 3	12 20	1 9	22 47	0 45	23 34	0 12	12 21	0 52	24 52	2 35	19 18	19 0	17 25	5 37	1 58
W15	23 33	5 28	5 10	22 53	0 47	14 23	4 2	0 23	2 4	12 19	1 8	22 47	0 45	23 34	0 12	12 20	0 52	24 52	2 35	19 17	18 59	17 26	5 36	1 58
T 16	23 32	0 57	4 53	22 33	0 34	14 26	4 6	0 33	2 4	12 19	1 8	22 47	0 45	23 34	0 12	12 20	0 52	24 53	2 35	19 16	18 58	17 27	5 36	1 57
F 17	23 31	3s29	4 23	22 14	0 19	14 31	4 9	0 44	2 5	12 19	1 8	22 47	0 44	23 34	0 12	12 19	0 52	24 53	2 35	19 16	18 57	17 28	5 36	1 57
S 18	23 30	7 41	3 41	21 54	0 3	14 36	4 12	0 55	2 6	12 19	1 7	22 47	0 44	23 34	0 12	12 19	0 52	24 53	2 35	19 16	18 57	17 29	5 36	1 57
S 19	23 28	11 31	2 51	21 35	0n14	14 41	4 15	1 5	2 6	12 19	1 7	22 48	0 44	23 34	0 12	12 18	0 52	24 54	2 35	19 16	18 56	17 31	5 36	1 57
M20	23 26	14 52	1 53	21 17	0 32	14 47	4 17	1 16	2 7	12 19	1 7	22 48	0 44	23 34	0 12	12 17	0 52	24 54	2 35	19 17	18 55	17 32	5 36	1 57
T 21	23 23	17 36	0 51	21 0	0 51	14 54	4 19	1 26	2 7	12 19	1 7	22 48	0 44	23 33	0 12	12 17	0 52	24 54	2 35	19 17	18 54	17 33	5 36	1 57
W22	23 20	19 37	0n13	20 44	1 10	15 1	4 21	1 37	2 8	12 19	1 6	22 48	0 44	23 33	0 12	12 16	0 52	24 54	2 35	19 17	18 54	17 34	5 36	1 56
T 23	23 16	20 47	1 17	20 30	1 29	15 9	4 22	1 47	2 9	12 19	1 6	22 48	0 44	23 33	0 12	12 16	0 52	24 55	2 36	19 17	18 53	17 35	5 36	1 56
F 24	23 12	21 1	2 18	20 18	1 48	15 17	4 23	1 57	2 9	12 19	1 6	22 48	0 44	23 33	0 12	12 15	0 52	24 55	2 36	19 16	18 52	17 36	5 36	1 56
S 25	23 7	20 15	3 14	20 7	2 6	15 25	4 24	2 7	2 10	12 20	1 5	22 48	0 44	23 33	0 12	12 15	0 52	24 55	2 36	19 15	18 51	17 37	5 36	1 56
S 26	23 2	18 29	4 1	19 58	2 24	15 34	4 25	2 17	2 10	12 20	1 5	22 48	0 44	23 33	0 12	12 14	0 52	24 55	2 36	19 13	18 50	17 38	5 36	1 56
M27	22 56	15 49	4 37	19 51	2 40	15 43	4 25	2 27	2 11	12 21	1 5	22 49	0 44	23 33	0 12	12 13	0 52	24 56	2 36	19 11	18 50	17 39	5 37	1 56
T 28	22 50	12 20	5 0	19 46	2 54	15 52	4 25	2 37	2 12	12 21	1 4	22 49	0 44	23 33	0 12	12 13	0 52	24 56	2 36	19 9	18 49	17 40	5 37	1 55
W29	22 44	8 13	5 7	19 42	3 6	16 2	4 25	2 46	2 12	12 22	1 4	22 49	0 44	23 32	0 12	12 12	0 52	24 56	2 36	19 7	18 48	17 41	5 37	1 55
T 30	22 37	3 39	4 58	19 41	3 16	16 11	4 25	2 56	2 13	12 22	1 4	22 49	0 44	23 32	0 12	12 12	0 52	24 56	2 36	19 5	18 47	17 42	5 37	1 55
F 31	22s30	1n 9	4n33	19s40	3n23	16s21	4n24	3s 5	2n13	12n23	1s 4	22s49	0n44	23n32	0n12	12s11	0s52	24n57	2n36	19s 4	18s46	17s43	5n37	1n55

Julian Day Number = 2157135.5, Delta T = 13m35s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'02, Lahiri = 12°37'03 Julian Calendar 1 Dec. 1193 == Greg. Calendar 8 Dec. 1193

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

JANUARY 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 25	17♑43'17	6♈ 8	10°R20	2♐52	13♎22	5♉27	29♐53	22°R40	0♓27	17°R42	24°R48	23♏38	17♏55	9♈44	S 1
S 2	7 12 21	18°44'22	20° 1	9♑14	3°41	13°47	5°28	29°59	22♊38	0°29	17♋40	24°D48	23°35	18° 2	9°45	S 2
M 3	7 16 18	19°45'26	4♉ 6	8°16	4°31	14°12	5°30	0♑ 6	22°36	0°31	17°39	24♏48	23°32	18° 8	9°46	M 3
T 4	7 20 14	20°46'29	18°21	7°25	5°21	14°37	5°33	0°13	22°34	0°32	17°38	24°R49	23°28	18°15	9°47	T 4
W 5	7 24 11	21°47'31	2♊45	6°44	6°12	15° 1	5°35	0°20	22°31	0°34	17°36	24°49	23°25	18°22	9°48	W 5
T 6	7 28 7	22°48'32	17°14	6°12	7° 4	15°25	5°38	0°27	22°29	0°36	17°35	24°47	23°22	18°28	9°50	T 6
F 7	7 32 4	23°49'31	1♋45	5°49	7°57	15°49	5°41	0°33	22°27	0°38	17°34	24°42	23°19	18°35	9°51	F 7
S 8	7 36 0	24°50'30	16°11	5°34	8°51	16°12	5°44	0°40	22°25	0°40	17°32	24°35	23°16	18°42	9°52	S 8
S 9	7 39 57	25°51'28	0♌26	5°D28	9°45	16°35	5°47	0°47	22°23	0°42	17°31	24°25	23°13	18°48	9°54	S 9
M10	7 43 54	26°52'25	14°25	5°31	10°39	16°58	5°50	0°53	22°21	0°44	17°30	24°15	23° 9	18°55	9°55	M10
T 11	7 47 50	27°53'21	28° 2	5°40	11°35	17°21	5°54	1° 0	22°19	0°46	17°29	24° 4	23° 6	19° 1	9°57	T 11
W12	7 51 47	28°54'15	11♍15	5°57	12°31	17°43	5°57	1° 6	22°17	0°48	17°27	23°54	23° 3	19° 8	9°58	W12
T 13	7 55 43	29°55'09	24° 5	6°19	13°27	18° 5	6° 1	1°13	22°15	0°50	17°26	23°46	23° 0	19°15	10° 0	T 13
F 14	7 59 40	0♒56'02	6♎33	6°48	14°24	18°27	6° 6	1°19	22°13	0°52	17°25	23°41	22°57	19°21	10° 2	F 14
S 15	8 3 36	1°56'55	18°44	7°22	15°21	18°48	6°10	1°26	22°11	0°54	17°23	23°38	22°53	19°28	10° 4	S 15
S 16	8 7 33	2°57'46	0♏41	8° 1	16°19	19° 9	6°14	1°32	22°10	0°56	17°22	23°D37	22°50	19°35	10° 5	S 16
M17	8 11 29	3°58'36	12°30	8°44	17°18	19°29	6°19	1°39	22° 8	0°58	17°21	23°37	22°47	19°41	10° 7	M17
T 18	8 15 26	4°59'26	24°17	9°31	18°17	19°50	6°24	1°45	22° 6	1° 0	17°19	23°R37	22°44	19°48	10° 9	T 18
W19	8 19 23	6° 0'14	6♐ 8	10°22	19°16	20° 9	6°29	1°51	22° 5	1° 2	17°18	23°37	22°41	19°55	10°11	W19
T 20	8 23 19	7° 1'02	18° 6	11°17	20°16	20°29	6°34	1°58	22° 3	1° 4	17°17	23°34	22°38	20° 1	10°13	T 20
F 21	8 27 16	8° 1'48	0♑17	12°14	21°16	20°48	6°40	2° 4	22° 1	1° 6	17°16	23°28	22°34	20° 8	10°15	F 21
S 22	8 31 12	9° 2'33	12°43	13°14	22°17	21° 7	6°45	2°10	22° 0	1° 9	17°15	23°20	22°31	20°15	10°17	S 22
S 23	8 35 9	10° 3'17	25°27	14°17	23°18	21°25	6°51	2°16	21°58	1°11	17°13	23°10	22°28	20°21	10°19	S 23
M24	8 39 5	11° 3'59	8♒29	15°23	24°19	21°43	6°57	2°22	21°57	1°13	17°12	22°57	22°25	20°28	10°21	M24
T 25	8 43 2	12° 4'40	21°47	16°30	25°21	22° 1	7° 3	2°28	21°55	1°15	17°11	22°44	22°22	20°34	10°24	T 25
W26	8 46 58	13° 5'20	5♓20	17°40	26°23	22°18	7° 9	2°34	21°54	1°17	17°10	22°31	22°18	20°41	10°26	W26
T 27	8 50 55	14° 5'58	19° 4	18°51	27°25	22°34	7°16	2°40	21°53	1°19	17° 9	22°20	22°15	20°48	10°28	T 27
F 28	8 54 52	15° 6'34	2♈56	20° 4	28°28	22°50	7°22	2°46	21°52	1°22	17° 7	22°12	22°12	20°54	10°31	F 28
S 29	8 58 48	16° 7'08	16°54	21°19	29°31	23° 6	7°29	2°52	21°50	1°24	17° 6	22° 7	22° 9	21° 1	10°33	S 29
S 30	9 2 45	17° 7'40	0♉56	22°36	0♑34	23°21	7°36	2°57	21°49	1°26	17° 5	22° 5	22° 6	21° 8	10°35	S 30
M31	9 6 41	18♒ 8'11	14♉59	23♑54	1♑38	23♎36	7♉43	3♑ 3	21♊48	1♓28	17♋ 4	22♏ 4	22♏ 3	21♏14	10♈38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s22	5n59	3n51	19s41	3n28	16s31	4n23	3s15	2n14	12n24	1s 3	22s49	0n44	23n32	0n12	12s10	0s52	24n57	2n36	19s 3	18s46	17s44	5n38	1n55
S 2	22 14	10 34	2 56	19 44	3 30	16 41	4 22	3 24	2 14	12 25	1 3	22 49	0 44	23 32	0 12	12 10	0 52	24 57	2 36	19 3	18 45	17 45	5 38	1 54
M 3	22 5	14 39	1 49	19 48	3 30	16 51	4 21	3 33	2 15	12 26	1 3	22 49	0 44	23 32	0 12	12 9	0 52	24 57	2 36	19 3	18 44	17 46	5 38	1 54
T 4	21 56	17 55	0 35	19 53	3 28	17 2	4 20	3 42	2 16	12 27	1 2	22 49	0 43	23 32	0 12	12 8	0 52	24 58	2 36	19 3	18 43	17 47	5 38	1 54
W 5	21 46	20 6	0s42	19 59	3 24	17 12	4 18	3 51	2 16	12 28	1 2	22 49	0 43	23 32	0 12	12 8	0 52	24 58	2 36	19 3	18 42	17 48	5 39	1 54
T 6	21 36	20 59	1 57	20 6	3 18	17 22	4 16	3 59	2 17	12 29	1 2	22 49	0 43	23 31	0 12	12 7	0 52	24 58	2 37	19 3	18 42	17 49	5 39	1 54
F 7	21 26	20 28	3 4	20 14	3 12	17 32	4 15	4 8	2 17	12 30	1 1	22 49	0 43	23 31	0 12	12 6	0 52	24 58	2 37	19 2	18 41	17 50	5 39	1 54
S 8	21 15	18 36	3 59	20 22	3 4	17 43	4 13	4 16	2 18	12 32	1 1	22 49	0 43	23 31	0 12	12 6	0 52	24 59	2 37	19 0	18 40	17 51	5 40	1 53
S 9	21 4	15 37	4 38	20 31	2 55	17 53	4 10	4 25	2 19	12 33	1 1	22 49	0 43	23 31	0 12	12 5	0 52	24 59	2 37	18 57	18 39	17 52	5 40	1 53
M10	20 52	11 48	4 59	20 40	2 45	18 3	4 8	4 33	2 19	12 34	1 1	22 49	0 43	23 31	0 12	12 4	0 52	24 59	2 37	18 55	18 38	17 53	5 41	1 53
T 11	20 40	7 28	5 3	20 50	2 35	18 13	4 6	4 41	2 20	12 36	1 0	22 49	0 43	23 31	0 12	12 4	0 52	24 59	2 37	18 52	18 38	17 54	5 41	1 53
W12	20 28	2 54	4 50	20 59	2 25	18 23	4 3	4 49	2 20	12 37	1 0	22 49	0 43	23 31	0 12	12 3	0 52	24 59	2 37	18 50	18 37	17 55	5 42	1 53
T 13	20 15	1s40	4 23	21 9	2 15	18 32	4 0	4 57	2 21	12 39	1 0	22 49	0 43	23 31	0 12	12 2	0 52	25 0	2 37	18 48	18 36	17 56	5 42	1 53
F 14	20 2	6 2	3 44	21 18	2 4	18 42	3 57	5 5	2 22	12 41	0 59	22 49	0 43	23 31	0 12	12 1	0 52	25 0	2 37	18 46	18 35	17 57	5 43	1 52
S 15	19 49	10 4	2 55	21 28	1 53	18 51	3 54	5 12	2 22	12 42	0 59	22 49	0 43	23 30	0 12	12 1	0 52	25 0	2 37	18 46	18 34	17 58	5 43	1 52
S 16	19 35	13 37	1 59	21 36	1 42	19 0	3 51	5 20	2 23	12 44	0 59	22 49	0 43	23 30	0 12	12 0	0 52	25 0	2 37	18 45	18 34	17 59	5 44	1 52
M17	19 21	16 35	0 59	21 44	1 31	19 9	3 48	5 27	2 23	12 46	0 59	22 49	0 43	23 30	0 12	11 59	0 52	25 1	2 37	18 45	18 33	18 0	5 44	1 52
T 18	19 6	18 52	0n 4	21 52	1 20	19 17	3 45	5 34	2 24	12 48	0 58	22 49	0 43	23 30	0 12	11 58	0 52	25 1	2 37	18 46	18 32	18 1	5 45	1 52
W19	18 51	20 20	1 6	21 59	1 10	19 26	3 41	5 41	2 25	12 50	0 58	22 49	0 43	23 30	0 12	11 58	0 52	25 1	2 37	18 45	18 31	18 2	5 46	1 52
T 20	18 36	20 55	2 6	22 5	0 59	19 34	3 38	5 48	2 25	12 52	0 58	22 49	0 43	23 30	0 12	11 57	0 52	25 1	2 37	18 45	18 30	18 3	5 46	1 51
F 21	18 20	20 31	3 2	22 10	0 49	19 41	3 34	5 54	2 26	12 54	0 57	22 49	0 43	23 30	0 12	11 56	0 52	25 1	2 37	18 43	18 30	18 4	5 47	1 51
S 22	18 4	19 7	3 49	22 15	0 38	19 49	3 31	6 1	2 26	12 56	0 57	22 49	0 43	23 30	0 12	11 55	0 52	25 2	2 37	18 41	18 29	18 5	5 48	1 51
S 23	17 48	16 46	4 27	22 18	0 29	19 56	3 27	6 7	2 27	12 58	0 57	22 49	0 43	23 30	0 12	11 55	0 52	25 2	2 37	18 39	18 28	18 6	5 48	1 51
M24	17 32	13 32	4 51	22 20	0 19	20 2	3 23	6 13	2 27	13 0	0 57	22 49	0 43	23 30	0 12	11 54	0 52	25 2	2 37	18 35	18 27	18 7	5 49	1 51
T 25	17 15	9 33	5 1	22 22	0 9	20 9	3 19	6 19	2 28	13 2	0 56	22 48	0 43	23 30	0 12	11 53	0 52	25 2	2 38	18 32	18 26	18 8	5 50	1 51
W26	16 58	5 3	4 53	22 22	0 0	20 14	3 15	6 25	2 29	13 5	0 56	22 48	0 43	23 29	0 12	11 52	0 52	25 2	2 38	18 29	18 26	18 8	5 50	1 51
T 27	16 40	0 13	4 29	22 21	0s 9	20 20	3 11	6 31	2 29	13 7	0 56	22 48	0 43	23 29	0 12	11 52	0 52	25 3	2 38	18 26	18 25	18 9	5 51	1 50
F 28	16 22	4n40	3 49	22 20	0 18	20 25	3 7	6 36	2 30	13 9	0 56	22 48	0 43	23 29	0 12	11 51	0 52	25 3	2 38	18 24	18 24	18 10	5 52	1 50
S 29	16 4	9 21	2 54	22 16	0 26	20 30	3 3	6 41	2 30	13 12	0 55	22 48	0 43	23 29	0 12	11 50	0 52	25 3	2 38	18 23	18 23	18 11	5 53	1 50
S 30	15 46	13 33	1 49	22 12	0 34	20 34	2 59	6 47	2 31	13 14	0 55	22 48	0 43	23 29	0 12	11 49	0 52	25 3	2 38	18 22	18 22	18 12	5 54	1 50
M31	15s28	17n 0	0n37	22s 7	0s42	20s38	2n54	6s52	2n31	13n17	0s55	22s48	0n43	23n29	0n12	11s48	0s52	25n 3	2n38	18s22	18s21	18s13	5n55	1n50

Julian Day Number = 2157166.5, Delta T = 13m34s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'06, Lahiri = 12°37'07 Julian Calendar 1 Jan. 1194 == Greg. Calendar 8 Jan. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

FEBRUARY 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 38	19♒ 8'40	29♉ 4	25♋14	2♋41	23♎50	7♑50	3♋ 9	21°R47	1♓30	17°R 3	22°R 4	21♏59	21♏21	10♈40	T 1
W 2	9 14 34	20° 9'07	13♊10	26°35	3°45	24° 4	7°58	3°14	21♊46	1°33	17♌ 2	22♏ 3	21°56	21°28	10°43	W 2
T 3	9 18 31	21° 9'32	27°16	27°57	4°50	24°18	8° 5	3°20	21°45	1°35	17° 1	22° 0	21°53	21°34	10°46	T 3
F 4	9 22 27	22° 9'55	11♌20	29°20	5°54	24°30	8°13	3°25	21°44	1°37	17° 0	21°54	21°50	21°41	10°48	F 4
S 5	9 26 24	23°10'15	25°18	0♒45	6°59	24°43	8°21	3°31	21°43	1°39	16°59	21°45	21°47	21°48	10°51	S 5
S 6	9 30 21	24°10'35	9♎ 8	2°11	8° 4	24°54	8°29	3°36	21°42	1°42	16°58	21°34	21°44	21°54	10°54	S 6
M 7	9 34 17	25°10'52	22°45	3°38	9° 9	25° 6	8°37	3°41	21°42	1°44	16°57	21°21	21°40	22° 1	10°56	M 7
T 8	9 38 14	26°11'07	6♍ 6	5° 6	10°15	25°16	8°45	3°47	21°41	1°46	16°56	21° 8	21°37	22° 8	10°59	T 8
W 9	9 42 10	27°11'21	19°10	6°36	11°20	25°26	8°53	3°52	21°40	1°49	16°55	20°56	21°34	22°14	11° 2	W 9
T 10	9 46 7	28°11'33	1♎54	8° 6	12°26	25°36	9° 2	3°57	21°40	1°51	16°54	20°46	21°31	22°21	11° 5	T 10
F 11	9 50 3	29°11'43	14°19	9°38	13°32	25°45	9°10	4° 2	21°39	1°53	16°53	20°38	21°28	22°27	11° 8	F 11
S 12	9 54 0	0♓11'51	26°29	11°11	14°39	25°53	9°19	4° 7	21°38	1°55	16°52	20°34	21°24	22°34	11°11	S 12
S 13	9 57 56	1°11'58	8♏27	12°44	15°45	26° 1	9°28	4°12	21°38	1°58	16°51	20°32	21°21	22°41	11°14	S 13
M14	10 1 53	2°12'04	20°17	14°19	16°52	26° 8	9°37	4°16	21°38	2° 0	16°50	20°D31	21°18	22°47	11°17	M14
T 15	10 5 50	3°12'07	2♐ 5	15°55	17°59	26°14	9°46	4°21	21°37	2° 2	16°49	20°R31	21°15	22°54	11°20	T 15
W16	10 9 46	4°12'09	13°56	17°32	19° 6	26°20	9°56	4°26	21°37	2° 4	16°48	20°31	21°12	23° 1	11°23	W16
T 17	10 13 43	5°12'10	25°55	19°11	20°13	26°25	10° 5	4°31	21°37	2° 7	16°47	20°29	21° 9	23° 7	11°26	T 17
F 18	10 17 39	6°12'09	8♋ 9	20°50	21°20	26°30	10°15	4°35	21°36	2° 9	16°47	20°25	21° 5	23°14	11°29	F 18
S 19	10 21 36	7°12'06	20°40	22°30	22°28	26°33	10°24	4°40	21°36	2°11	16°46	20°18	21° 2	23°21	11°32	S 19
S 20	10 25 32	8°12'01	3♒33	24°12	23°35	26°36	10°34	4°44	21°36	2°14	16°45	20° 9	20°59	23°27	11°35	S 20
M21	10 29 29	9°11'55	16°48	25°55	24°43	26°39	10°44	4°48	21°D36	2°16	16°44	19°58	20°56	23°34	11°38	M21
T 22	10 33 25	10°11'46	0♓25	27°39	25°51	26°40	10°54	4°52	21°36	2°18	16°44	19°46	20°53	23°41	11°42	T 22
W23	10 37 22	11°11'36	14°21	29°24	26°59	26°41	11° 4	4°57	21°36	2°20	16°43	19°35	20°50	23°47	11°45	W23
T 24	10 41 19	12°11'23	28°31	1♈10	28° 7	26°R41	11°14	5° 1	21°36	2°23	16°42	19°25	20°46	23°54	11°48	T 24
F 25	10 45 15	13°11'08	12♈50	2°57	29°15	26°41	11°25	5° 5	21°37	2°25	16°42	19°18	20°43	24° 0	11°51	F 25
S 26	10 49 12	14°10'52	27°13	4°46	0♒23	26°39	11°35	5° 9	21°37	2°27	16°41	19°13	20°40	24° 7	11°55	S 26
S 27	10 53 8	15°10'33	11♉35	6°36	1°32	26°37	11°46	5°12	21°37	2°29	16°40	19°11	20°37	24°14	11°58	S 27
M28	10 57 5	16♓10'12	25♉52	8♓27	2♒40	26♎35	11♉56	5♋16	21♊37	2♓32	16♌40	19°D11	20♏34	24♏20	12♈ 2	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 9	19n26	0s37	22s 0	0s50	20s41	2n50	6s56	2n32	13n19	0s54	22s48	0n43	23n29	0n12	11s48	0s52	25n 3	2n38	18s22	18s21	18s14	5n55	1n50
W 2	14 50	20 40	1 49	21 52	0 57	20 44	2 46	7 1	2 32	13 22	0 54	22 48	0 43	23 29	0 12	11 47	0 52	25 4	2 38	18 22	18 20	18 15	5 56	1 50
T 3	14 30	20 36	2 55	21 42	1 4	20 46	2 41	7 5	2 33	13 25	0 54	22 48	0 43	23 29	0 12	11 46	0 52	25 4	2 38	18 21	18 19	18 16	5 57	1 49
F 4	14 11	19 15	3 49	21 32	1 11	20 48	2 37	7 10	2 33	13 27	0 54	22 47	0 42	23 29	0 12	11 45	0 52	25 4	2 38	18 19	18 18	18 17	5 58	1 49
S 5	13 51	16 45	4 29	21 20	1 17	20 49	2 32	7 14	2 34	13 30	0 53	22 47	0 42	23 29	0 12	11 44	0 52	25 4	2 38	18 17	18 17	18 17	5 59	1 49
S 6	13 31	13 20	4 53	21 7	1 23	20 50	2 28	7 17	2 34	13 33	0 53	22 47	0 42	23 29	0 12	11 44	0 52	25 4	2 38	18 14	18 16	18 18	6 0	1 49
M 7	13 11	9 15	5 0	20 52	1 29	20 51	2 23	7 21	2 35	13 36	0 53	22 47	0 42	23 29	0 12	11 43	0 52	25 4	2 38	18 11	18 16	18 19	6 1	1 49
T 8	12 51	4 49	4 50	20 36	1 34	20 50	2 19	7 25	2 35	13 39	0 53	22 47	0 42	23 29	0 12	11 42	0 52	25 5	2 38	18 7	18 15	18 20	6 2	1 49
W 9	12 30	0 15	4 25	20 18	1 39	20 50	2 14	7 28	2 36	13 42	0 53	22 47	0 42	23 29	0 12	11 41	0 52	25 5	2 38	18 4	18 14	18 21	6 3	1 49
T 10	12 9	4s14	3 47	20 0	1 44	20 49	2 9	7 31	2 36	13 45	0 52	22 47	0 42	23 29	0 12	11 40	0 52	25 5	2 38	18 1	18 13	18 22	6 4	1 48
F 11	11 48	8 25	2 59	19 39	1 48	20 47	2 5	7 34	2 36	13 48	0 52	22 47	0 42	23 29	0 12	11 40	0 52	25 5	2 38	17 59	18 12	18 23	6 5	1 48
S 12	11 27	12 11	2 4	19 18	1 52	20 45	2 0	7 36	2 37	13 51	0 52	22 46	0 42	23 28	0 12	11 39	0 52	25 5	2 38	17 58	18 11	18 23	6 6	1 48
S 13	11 6	15 23	1 4	18 55	1 56	20 42	1 56	7 39	2 37	13 54	0 52	22 46	0 42	23 28	0 12	11 38	0 52	25 5	2 38	17 57	18 11	18 24	6 7	1 48
M14	10 44	17 55	0 1	18 30	1 59	20 38	1 51	7 41	2 37	13 57	0 51	22 46	0 42	23 28	0 12	11 37	0 52	25 5	2 38	17 57	18 10	18 25	6 8	1 48
T 15	10 22	19 40	1n 1	18 4	2 2	20 34	1 46	7 43	2 38	14 0	0 51	22 46	0 42	23 28	0 12	11 36	0 52	25 6	2 38	17 57	18 9	18 26	6 9	1 48
W16	10 1	20 34	2 1	17 37	2 4	20 30	1 42	7 45	2 38	14 3	0 51	22 46	0 42	23 28	0 12	11 35	0 52	25 6	2 38	17 57	18 8	18 27	6 10	1 48
T 17	9 39	20 32	2 56	17 8	2 6	20 25	1 37	7 47	2 38	14 6	0 51	22 46	0 42	23 28	0 12	11 35	0 52	25 6	2 38	17 57	18 7	18 28	6 11	1 48
F 18	9 16	19 33	3 45	16 38	2 8	20 19	1 32	7 48	2 39	14 9	0 50	22 46	0 42	23 28	0 12	11 34	0 52	25 6	2 38	17 56	18 6	18 28	6 12	1 47
S 19	8 54	17 36	4 23	16 6	2 9	20 13	1 28	7 49	2 39	14 13	0 50	22 45	0 42	23 28	0 12	11 33	0 52	25 6	2 38	17 54	18 6	18 29	6 14	1 47
S 20	8 32	14 45	4 50	15 33	2 10	20 6	1 23	7 50	2 39	14 16	0 50	22 45	0 42	23 28	0 12	11 32	0 52	25 6	2 38	17 51	18 5	18 30	6 15	1 47
M21	8 9	11 4	5 2	14 59	2 10	19 59	1 19	7 51	2 39	14 19	0 50	22 45	0 42	23 28	0 12	11 31	0 52	25 6	2 38	17 48	18 4	18 31	6 16	1 47
T 22	7 47	6 44	4 57	14 23	2 10	19 51	1 14	7 51	2 39	14 22	0 50	22 45	0 42	23 28	0 12	11 31	0 52	25 6	2 38	17 45	18 3	18 32	6 17	1 47
W23	7 24	1 58	4 35	13 45	2 10	19 43	1 9	7 51	2 40	14 26	0 49	22 45	0 42	23 28	0 12	11 30	0 52	25 7	2 38	17 42	18 2	18 33	6 18	1 47
T 24	7 1	3n 0	3 56	13 7	2 9	19 34	1 5	7 51	2 40	14 29	0 49	22 45	0 42	23 28	0 12	11 29	0 52	25 7	2 38	17 40	18 1	18 33	6 19	1 47
F 25	6 38	7 52	3 1	12 26	2 7	19 25	1 0	7 51	2 40	14 33	0 49	22 45	0 42	23 28	0 12	11 28	0 52	25 7	2 38	17 38	18 1	18 34	6 21	1 47
S 26	6 15	12 18	1 54	11 45	2 5	19 15	0 56	7 50	2 40	14 36	0 49	22 44	0 42	23 28	0 12	11 27	0 52	25 7	2 38	17 36	18 0	18 35	6 22	1 46
S 27	5 52	16 1	0 40	11 2	2 3	19 4	0 51	7 50	2 40	14 39	0 49	22 44	0 42	23 28	0 12	11 27	0 52	25 7	2 38	17 36	17 59	18 36	6 23	1 46
M28	5s29	18n44	0s36	10s17	2s 0	18s53	0n47	7s49	2n40	14n43	0s48	22s44	0n42	23n28	0n12	11s26	0s52	25n 7	2n38	17s36	17s58	18s36	6n24	1n46

Julian Day Number = 2157197.5, Delta T = 13m34s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'11, Lahiri = 12°37'11 Julian Calendar 1 Feb. 1194 == Greg. Calendar 8 Feb. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

MARCH 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 1 1	17♓ 9'48	10♊ 2	10♓19	3♒49	26°R31	12♉ 7	5♋20	21♊38	2♓34	16°R39	19♏12	20♏30	24♏27	12♈ 5	T 1
W 2	11 4 58	18° 9'22	24° 4	12°13	4°58	26♎27	12°18	5°24	21°38	2°36	16♋39	19°R12	20°27	24°34	12° 8	W 2
T 3	11 8 54	19° 8'54	7♋58	14° 8	6° 7	26°22	12°29	5°27	21°39	2°38	16°38	19°10	20°24	24°40	12°12	T 3
F 4	11 12 51	20° 8'23	21°42	16° 4	7°16	26°16	12°40	5°30	21°39	2°40	16°38	19° 6	20°21	24°47	12°15	F 4
S 5	11 16 47	21° 7'50	5♌17	18° 1	8°25	26° 9	12°51	5°34	21°40	2°43	16°37	19° 0	20°18	24°54	12°19	S 5
S 6	11 20 44	22° 7'15	18°41	19°59	9°34	26° 2	13° 2	5°37	21°41	2°45	16°37	18°52	20°15	25° 0	12°22	S 6
M 7	11 24 41	23° 6'37	1♍53	21°58	10°43	25°54	13°13	5°40	21°41	2°47	16°36	18°42	20°11	25° 7	12°26	M 7
T 8	11 28 37	24° 5'57	14°51	23°58	11°53	25°45	13°25	5°43	21°42	2°49	16°36	18°32	20° 8	25°14	12°29	T 8
W 9	11 32 34	25° 5'15	27°36	26° 0	13° 2	25°35	13°36	5°46	21°43	2°51	16°36	18°23	20° 5	25°20	12°33	W 9
T 10	11 36 30	26° 4'31	10♎ 7	28° 2	14°12	25°25	13°48	5°49	21°44	2°53	16°35	18°15	20° 2	25°27	12°36	T 10
F 11	11 40 27	27° 3'45	22°23	0♈ 4	15°21	25°13	13°59	5°52	21°45	2°55	16°35	18°10	19°59	25°33	12°40	F 11
S 12	11 44 23	28° 2'57	4♏28	2° 7	16°31	25° 1	14°11	5°55	21°46	2°58	16°35	18° 6	19°55	25°40	12°43	S 12
S 13	11 48 20	29° 2'08	16°23	4°11	17°41	24°49	14°23	5°57	21°47	3° 0	16°34	18°D 5	19°52	25°47	12°47	S 13
M14	11 52 16	0♈ 1'16	28°12	6°14	18°51	24°35	14°35	6° 0	21°48	3° 2	16°34	18° 6	19°49	25°53	12°50	M14
T 15	11 56 13	1° 0'22	10♐ 0	8°17	20° 0	24°21	14°47	6° 2	21°49	3° 4	16°34	18° 7	19°46	26° 0	12°54	T 15
W16	12 0 10	1°59'27	21°51	10°20	21°11	24° 6	14°59	6° 5	21°50	3° 6	16°34	18° 8	19°43	26° 7	12°58	W16
T 17	12 4 6	2°58'30	3♑51	12°22	22°21	23°51	15°11	6° 7	21°51	3° 8	16°33	18°R 9	19°40	26°13	13° 1	T 17
F 18	12 8 3	3°57'31	16° 4	14°23	23°31	23°35	15°23	6° 9	21°53	3°10	16°33	18° 8	19°36	26°20	13° 5	F 18
S 19	12 11 59	4°56'30	28°35	16°22	24°41	23°18	15°35	6°11	21°54	3°12	16°33	18° 5	19°33	26°27	13° 9	S 19
S 20	12 15 56	5°55'27	11♒29	18°20	25°51	23° 1	15°48	6°13	21°55	3°14	16°33	18° 1	19°30	26°33	13°12	S 20
M21	12 19 52	6°54'23	24°48	20°15	27° 2	22°42	16° 0	6°15	21°57	3°16	16°33	17°55	19°27	26°40	13°16	M21
T 22	12 23 49	7°53'17	8♓32	22° 8	28°12	22°24	16°13	6°17	21°58	3°18	16°33	17°49	19°24	26°47	13°19	T 22
W23	12 27 45	8°52'08	22°41	23°58	29°22	22° 5	16°25	6°19	22° 0	3°20	16°D33	17°42	19°21	26°53	13°23	W23
T 24	12 31 42	9°50'58	7♈ 9	25°45	0♓33	21°45	16°38	6°20	22° 1	3°22	16°33	17°37	19°17	27° 0	13°27	T 24
F 25	12 35 38	10°49'46	21°51	27°28	1°43	21°25	16°50	6°22	22° 3	3°24	16°33	17°33	19°14	27° 7	13°30	F 25
S 26	12 39 35	11°48'32	6♉39	29° 7	2°54	21° 5	17° 3	6°23	22° 5	3°26	16°33	17°31	19°11	27°13	13°34	S 26
S 27	12 43 32	12°47'16	21°25	0♉42	4° 5	20°44	17°16	6°24	22° 6	3°27	16°33	17°D31	19° 8	27°20	13°38	S 27
M28	12 47 28	13°45'57	6♊ 4	2°13	5°15	20°22	17°29	6°26	22° 8	3°29	16°33	17°31	19° 5	27°26	13°41	M28
T 29	12 51 25	14°44'37	20°31	3°39	6°26	20° 1	17°41	6°27	22°10	3°31	16°33	17°33	19° 1	27°33	13°45	T 29
W30	12 55 21	15°43'14	4♋42	5° 0	7°37	19°39	17°54	6°28	22°12	3°33	16°33	17°34	18°58	27°40	13°49	W30
T 31	12 59 18	16♈41'48	18♋37	6♉16	8♓48	19♎17	18♉ 7	6♋29	22♊14	3♓35	16♋34	17°R35	18♏55	27♏46	13♈52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 5	20n15	1s49	9s31	1s56	18s42	0n43	7s48	2n40	14n46	0s48	22s44	0n42	23n28	0n12	11s25	0s52	25n 7	2n38	17s36	17s57	18s37	6n25	1n46
W 2	4 42	20 30	2 55	8 44	1 52	18 29	0 38	7 46	2 40	14 50	0 48	22 44	0 42	23 28	0 12	11 24	0 52	25 7	2 38	17 36	17 56	18 38	6 27	1 46
T 3	4 19	19 28	3 50	7 56	1 48	18 17	0 34	7 44	2 39	14 53	0 48	22 44	0 42	23 28	0 12	11 23	0 52	25 7	2 38	17 36	17 55	18 39	6 28	1 46
F 4	3 55	17 19	4 31	7 6	1 43	18 4	0 30	7 42	2 39	14 57	0 48	22 44	0 42	23 29	0 12	11 23	0 52	25 7	2 38	17 34	17 55	18 40	6 29	1 46
S 5	3 32	14 14	4 57	6 15	1 37	17 50	0 25	7 40	2 39	15 1	0 47	22 43	0 42	23 29	0 12	11 22	0 52	25 7	2 38	17 33	17 54	18 40	6 30	1 46
S 6	3 8	10 27	5 5	5 23	1 31	17 36	0 21	7 38	2 39	15 4	0 47	22 43	0 42	23 29	0 12	11 21	0 52	25 7	2 38	17 30	17 53	18 41	6 32	1 46
M 7	2 45	6 13	4 57	4 29	1 24	17 21	0 17	7 35	2 38	15 8	0 47	22 43	0 42	23 29	0 12	11 20	0 52	25 7	2 38	17 28	17 52	18 42	6 33	1 46
T 8	2 21	1 47	4 34	3 35	1 17	17 6	0 13	7 32	2 38	15 11	0 47	22 43	0 42	23 29	0 12	11 20	0 52	25 8	2 38	17 25	17 51	18 43	6 34	1 45
W 9	1 58	2s40	3 57	2 40	1 9	16 50	0 9	7 29	2 37	15 15	0 47	22 43	0 42	23 29	0 12	11 19	0 52	25 8	2 38	17 22	17 50	18 43	6 36	1 45
T 10	1 34	6 56	3 10	1 43	1 1	16 34	0 5	7 26	2 37	15 19	0 46	22 43	0 42	23 29	0 12	11 18	0 52	25 8	2 38	17 20	17 50	18 44	6 37	1 45
F 11	1 10	10 49	2 14	0 46	0 52	16 17	0 1	7 23	2 36	15 22	0 46	22 43	0 42	23 29	0 12	11 17	0 52	25 8	2 38	17 19	17 49	18 45	6 38	1 45
S 12	0 47	14 12	1 13	0n11	0 43	16 0	0s 3	7 19	2 36	15 26	0 46	22 43	0 42	23 29	0 12	11 17	0 52	25 8	2 38	17 18	17 48	18 45	6 39	1 45
S 13	0 23	16 57	0 9	1 10	0 33	15 43	0 7	7 15	2 35	15 30	0 46	22 42	0 42	23 29	0 12	11 16	0 52	25 8	2 38	17 17	17 47	18 46	6 41	1 45
M14	0n 1	18 58	0n55	2 8	0 23	15 25	0 11	7 11	2 34	15 33	0 46	22 42	0 42	23 29	0 12	11 15	0 52	25 8	2 38	17 18	17 46	18 47	6 42	1 45
T 15	0 24	20 8	1 56	3 7	0 12	15 6	0 15	7 6	2 33	15 37	0 46	22 42	0 42	23 29	0 12	11 14	0 53	25 8	2 38	17 18	17 45	18 48	6 43	1 45
W16	0 48	20 25	2 53	4 5	0 2	14 47	0 18	7 2	2 32	15 41	0 45	22 42	0 42	23 29	0 12	11 14	0 53	25 8	2 38	17 18	17 44	18 48	6 45	1 45
T 17	1 11	19 47	3 42	5 3	0n10	14 28	0 22	6 57	2 31	15 44	0 45	22 42	0 42	23 29	0 12	11 13	0 53	25 8	2 38	17 18	17 44	18 49	6 46	1 45
F 18	1 35	18 13	4 23	6 1	0 21	14 8	0 25	6 52	2 30	15 48	0 45	22 42	0 42	23 29	0 12	11 12	0 53	25 8	2 38	17 18	17 43	18 50	6 47	1 45
S 19	1 58	15 45	4 53	6 58	0 32	13 48	0 29	6 47	2 29	15 52	0 45	22 42	0 42	23 29	0 12	11 12	0 53	25 8	2 38	17 18	17 42	18 50	6 49	1 45
S 20	2 22	12 28	5 8	7 54	0 44	13 28	0 32	6 41	2 28	15 56	0 45	22 42	0 42	23 29	0 12	11 11	0 53	25 8	2 38	17 16	17 41	18 51	6 50	1 44
M21	2 45	8 28	5 8	8 48	0 56	13 7	0 36	6 36	2 27	15 59	0 45	22 42	0 42	23 30	0 12	11 10	0 53	25 8	2 38	17 15	17 40	18 52	6 52	1 44
T 22	3 9	3 55	4 50	9 41	1 7	12 46	0 39	6 30	2 26	16 3	0 44	22 42	0 42	23 30	0 12	11 9	0 53	25 8	2 38	17 13	17 39	18 53	6 53	1 44
W23	3 32	0n59	4 15	10 33	1 18	12 24	0 42	6 24	2 24	16 7	0 44	22 42	0 42	23 30	0 12	11 9	0 53	25 8	2 38	17 11	17 38	18 53	6 54	1 44
T 24	3 55	5 57	3 22	11 22	1 29	12 2	0 45	6 18	2 23	16 10	0 44	22 41	0 42	23 30	0 12	11 8	0 53	25 8	2 38	17 10	17 37	18 54	6 56	1 44
F 25	4 18	10 38	2 15	12 10	1 40	11 40	0 48	6 12	2 21	16 14	0 44	22 41	0 42	23 30	0 12	11 7	0 53	25 8	2 38	17 8	17 37	18 55	6 57	1 44
S 26	4 41	14 43	0 59	12 55	1 50	11 17	0 51	6 6	2 20	16 18	0 44	22 41	0 42	23 30	0 12	11 7	0 53	25 8	2 38	17 8	17 36	18 55	6 58	1 44
S 27	5 4	17 51	0s21	13 38	2 0	10 54	0 54	6 0	2 18	16 22	0 44	22 41	0 42	23 30	0 12	11 6	0 53	25 8	2 38	17 8	17 35	18 56	7 0	1 44
M28	5 27	19 46	1 40	14 18	2 9	10 31	0 57	5 53	2 16	16 25	0 43	22 41	0 42	23 30	0 12	11 5	0 53	25 8	2 38	17 8	17 34	18 57	7 1	1 44
T 29	5 50	20 22	2 51	14 56	2 17	10 7	1 0	5 47	2 15	16 29	0 43	22 41	0 42	23 30	0 12	11 5	0 53	25 8	2 38	17 8	17 33	18 57	7 2	1 44
W30	6 13	19 38	3 50	15 31	2 25	9 43	1 3	5 40	2 13	16 33	0 43	22 41	0 42	23 30	0 12	11 4	0 53	25 8	2 38	17 9	17 32	18 58	7 4	1 44
T 31	6n35	17n43	4s34	16n 3	2n32	9s19	1s 5	5s34	2n11	16n37	0s43	22s41	0n42	23n31	0n12	11s 4	0s53	25n 8	2n38	17s 9	17s31	18s58	7n 5	1n44

Julian Day Number = 2157225.5, Delta T = 13m34s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'15, Lahiri = 12°37'15 Julian Calendar 1 March 1194 == Greg. Calendar 8 March 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

APRIL 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 3 14	17♈40'21	2♌14	7♉28	9♓59	18°R55	18♉20	6♂30	22♊16	3♓37	16♋34	17°R34	18♏52	27♏53	13♈56	F 1
S 2	13 7 11	18°38'51	15°35	8°34	11°10	18♎32	18°33	6°30	22°18	3°38	16°34	17♏31	18°49	28° 0	14° 0	S 2
S 3	13 11 7	19°37'19	28°40	9°35	12°21	18°10	18°46	6°31	22°20	3°40	16°34	17°28	18°46	28° 6	14° 3	S 3
M 4	13 15 4	20°35'45	11♍31	10°31	13°32	17°47	19° 0	6°31	22°22	3°42	16°35	17°24	18°42	28°13	14° 7	M 4
T 5	13 19 1	21°34'09	24° 9	11°21	14°43	17°25	19°13	6°32	22°24	3°43	16°35	17°20	18°39	28°20	14°11	T 5
W 6	13 22 57	22°32'30	6♎35	12° 5	15°54	17° 2	19°26	6°32	22°26	3°45	16°35	17°16	18°36	28°26	14°14	W 6
T 7	13 26 54	23°30'50	18°50	12°44	17° 5	16°40	19°39	6°32	22°28	3°47	16°36	17°13	18°33	28°33	14°18	T 7
F 8	13 30 50	24°29'08	0♏55	13°18	18°16	16°18	19°53	6°33	22°30	3°48	16°36	17°10	18°30	28°40	14°22	F 8
S 9	13 34 47	25°27'24	12°52	13°45	19°27	15°55	20° 6	6°R33	22°33	3°50	16°36	17°D10	18°26	28°46	14°25	S 9
S 10	13 38 43	26°25'39	24°43	14° 8	20°38	15°34	20°20	6°33	22°35	3°51	16°37	17°10	18°23	28°53	14°29	S 10
M11	13 42 40	27°23'52	6♐31	14°24	21°50	15°12	20°33	6°32	22°37	3°53	16°37	17°11	18°20	28°59	14°32	M11
T 12	13 46 36	28°22'03	18°19	14°35	23° 1	14°51	20°46	6°32	22°40	3°54	16°38	17°12	18°17	29° 6	14°36	T 12
W13	13 50 33	29°20'12	0♑11	14°40	24°12	14°30	21° 0	6°32	22°42	3°56	16°38	17°14	18°14	29°13	14°40	W13
T 14	13 54 30	0♒18'21	12°11	14°R41	25°24	14° 9	21°14	6°31	22°45	3°57	16°39	17°15	18°11	29°19	14°43	T 14
F 15	13 58 26	1°16'27	24°23	14°35	26°35	13°49	21°27	6°31	22°47	3°59	16°39	17°16	18° 7	29°26	14°47	F 15
S 16	14 2 23	2°14'32	6♓53	14°25	27°47	13°29	21°41	6°30	22°50	4° 0	16°40	17°R16	18° 4	29°33	14°50	S 16
S 17	14 6 19	3°12'36	19°43	14°11	28°58	13°10	21°54	6°30	22°52	4° 2	16°41	17°15	18° 1	29°39	14°54	S 17
M18	14 10 16	4°10'38	2♈58	13°52	0♈10	12°51	22° 8	6°29	22°55	4° 3	16°41	17°14	17°58	29°46	14°57	M18
T 19	14 14 12	5° 8'39	16°40	13°29	1°21	12°33	22°22	6°28	22°58	4° 4	16°42	17°13	17°55	29°53	15° 1	T 19
W20	14 18 9	6° 6'39	0♈48	13° 2	2°33	12°15	22°35	6°27	23° 0	4° 6	16°43	17°11	17°52	29°59	15° 4	W20
T 21	14 22 5	7° 4'37	15°21	12°33	3°44	11°58	22°49	6°26	23° 3	4° 7	16°43	17°10	17°48	0♐ 6	15° 8	T 21
F 22	14 26 2	8° 2'33	0♉12	12° 1	4°56	11°42	23° 3	6°24	23° 6	4° 8	16°44	17° 9	17°45	0°13	15°11	F 22
S 23	14 29 59	9° 0'28	15°15	11°27	6° 8	11°26	23°17	6°23	23° 9	4° 9	16°45	17°D 9	17°42	0°19	15°15	S 23
S 24	14 33 55	9°58'22	0♊21	10°52	7°19	11°11	23°31	6°22	23°11	4°11	16°45	17° 9	17°39	0°26	15°18	S 24
M25	14 37 52	10°56'14	15°21	10°16	8°31	10°57	23°44	6°20	23°14	4°12	16°46	17° 9	17°36	0°33	15°22	M25
T 26	14 41 48	11°54'04	0♋ 7	9°41	9°43	10°43	23°58	6°19	23°17	4°13	16°47	17°10	17°32	0°39	15°25	T 26
W27	14 45 45	12°51'53	14°34	9° 5	10°55	10°30	24°12	6°17	23°20	4°14	16°48	17°10	17°29	0°46	15°28	W27
T 28	14 49 41	13°49'40	28°39	8°32	12° 6	10°18	24°26	6°15	23°23	4°15	16°49	17°11	17°26	0°53	15°32	T 28
F 29	14 53 38	14°47'25	12♌20	7°59	13°18	10° 7	24°40	6°13	23°26	4°16	16°50	17°R11	17°23	0°59	15°35	F 29
S 30	14 57 34	15♉45'08	25♌38	7♉29	14♈30	9♎57	24♉54	6♂11	23♊29	4♓17	16♋51	17♏11	17♏20	1♐ 6	15♈38	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n58	14n50	5s 2	16n33	2n38	8s54	1s 8	5s27	2n 9	16n41	0s43	22s41	0n42	23n31	0n12	11s 3	0s53	25n 8	2n38	17s 9	17s30	18s59	7n 7	1n44
S 2	7 20	11 15	5 13	16 59	2 43	8 30	1 10	5 21	2 7	16 44	0 43	22 41	0 42	23 31	0 12	11 2	0 53	25 8	2 38	17 8	17 30	19 0	7 8	1 44
S 3	7 42	7 11	5 8	17 23	2 47	8 5	1 13	5 14	2 5	16 48	0 43	22 41	0 42	23 31	0 12	11 2	0 53	25 8	2 38	17 7	17 29	19 0	7 9	1 44
M 4	8 5	2 51	4 46	17 44	2 50	7 39	1 15	5 7	2 2	16 52	0 42	22 41	0 42	23 31	0 12	11 1	0 53	25 8	2 38	17 6	17 28	19 1	7 11	1 43
T 5	8 27	1s31	4 11	18 2	2 53	7 14	1 17	5 1	2 0	16 56	0 42	22 41	0 42	23 31	0 12	11 1	0 53	25 8	2 38	17 5	17 27	19 2	7 12	1 43
W 6	8 48	5 46	3 25	18 17	2 54	6 48	1 19	4 54	1 58	16 59	0 42	22 41	0 42	23 31	0 12	11 0	0 53	25 8	2 38	17 4	17 26	19 2	7 13	1 43
T 7	9 10	9 43	2 30	18 29	2 54	6 22	1 21	4 48	1 56	17 3	0 42	22 41	0 42	23 31	0 12	10 59	0 53	25 8	2 38	17 3	17 25	19 3	7 15	1 43
F 8	9 32	13 13	1 28	18 38	2 53	5 56	1 23	4 42	1 53	17 7	0 42	22 41	0 42	23 32	0 12	10 59	0 53	25 7	2 38	17 2	17 24	19 4	7 16	1 43
S 9	9 53	16 9	0 24	18 45	2 50	5 30	1 25	4 35	1 51	17 10	0 42	22 41	0 42	23 32	0 12	10 58	0 53	25 7	2 38	17 2	17 23	19 4	7 18	1 43
S 10	10 14	18 21	0n42	18 48	2 47	5 4	1 27	4 29	1 48	17 14	0 42	22 41	0 42	23 32	0 12	10 58	0 53	25 7	2 38	17 2	17 23	19 5	7 19	1 43
M11	10 35	19 46	1 45	18 48	2 42	4 37	1 29	4 23	1 46	17 18	0 42	22 41	0 42	23 32	0 12	10 57	0 53	25 7	2 38	17 2	17 22	19 5	7 20	1 43
T 12	10 56	20 18	2 44	18 46	2 36	4 10	1 31	4 17	1 43	17 22	0 41	22 41	0 42	23 32	0 12	10 57	0 53	25 7	2 38	17 3	17 21	19 6	7 22	1 43
W13	11 17	19 56	3 36	18 41	2 29	3 43	1 32	4 12	1 40	17 25	0 41	22 41	0 42	23 32	0 12	10 56	0 53	25 7	2 38	17 3	17 20	19 7	7 23	1 43
T 14	11 38	18 40	4 20	18 33	2 20	3 16	1 34	4 6	1 38	17 29	0 41	22 41	0 42	23 32	0 12	10 56	0 53	25 7	2 38	17 3	17 19	19 7	7 24	1 43
F 15	11 58	16 32	4 52	18 22	2 11	2 49	1 35	4 1	1 35	17 33	0 41	22 41	0 42	23 32	0 12	10 55	0 53	25 7	2 38	17 4	17 18	19 8	7 26	1 43
S 16	12 18	13 36	5 12	18 8	2 0	2 22	1 36	3 55	1 32	17 36	0 41	22 41	0 42	23 33	0 12	10 55	0 53	25 7	2 38	17 4	17 17	19 8	7 27	1 43
S 17	12 38	9 57	5 17	17 53	1 48	1 54	1 38	3 50	1 30	17 40	0 41	22 41	0 42	23 33	0 12	10 54	0 53	25 7	2 38	17 3	17 16	19 9	7 28	1 43
M18	12 58	5 43	5 5	17 34	1 35	1 27	1 39	3 46	1 27	17 44	0 41	22 41	0 42	23 33	0 12	10 54	0 54	25 7	2 38	17 3	17 15	19 9	7 30	1 43
T 19	13 18	1 3	4 36	17 14	1 21	0 59	1 40	3 41	1 24	17 47	0 41	22 41	0 42	23 33	0 12	10 53	0 54	25 7	2 38	17 3	17 15	19 10	7 31	1 43
W20	13 37	3n50	3 50	16 52	1 6	0 31	1 41	3 37	1 21	17 51	0 40	22 41	0 42	23 33	0 12	10 53	0 54	25 7	2 38	17 2	17 14	19 11	7 32	1 43
T 21	13 56	8 39	2 48	16 28	0 50	0 4	1 42	3 33	1 19	17 54	0 40	22 42	0 42	23 33	0 12	10 52	0 54	25 7	2 38	17 2	17 13	19 11	7 34	1 43
F 22	14 15	13 2	1 33	16 2	0 34	0n24	1 42	3 29	1 16	17 58	0 40	22 42	0 42	23 33	0 12	10 52	0 54	25 7	2 38	17 2	17 12	19 12	7 35	1 43
S 23	14 34	16 39	0 11	15 36	0 17	0 52	1 43	3 25	1 13	18 2	0 40	22 42	0 42	23 34	0 12	10 52	0 54	25 6	2 38	17 2	17 11	19 12	7 36	1 43
S 24	14 52	19 8	1s13	15 8	0s 1	1 20	1 44	3 22	1 10	18 5	0 40	22 42	0 42	23 34	0 12	10 51	0 54	25 6	2 38	17 2	17 10	19 13	7 38	1 43
M25	15 10	20 14	2 30	14 41	0 18	1 48	1 44	3 19	1 7	18 9	0 40	22 42	0 42	23 34	0 12	10 51	0 54	25 6	2 38	17 2	17 9	19 13	7 39	1 43
T 26	15 28	19 56	3 37	14 13	0 35	2 15	1 45	3 16	1 5	18 12	0 40	22 42	0 42	23 34	0 12	10 50	0 54	25 6	2 38	17 2	17 8	19 14	7 40	1 43
W27	15 46	18 18	4 28	13 45	0 53	2 43	1 45	3 14	1 2	18 16	0 40	22 42	0 42	23 34	0 12	10 50	0 54	25 6	2 38	17 2	17 7	19 14	7 42	1 43
T 28	16 3	15 36	5 2	13 19	1 10	3 11	1 46	3 11	0 59	18 19	0 40	22 42	0 41	23 34	0 12	10 50	0 54	25 6	2 38	17 2	17 7	19 15	7 43	1 43
F 29	16 21	12 6	5 17	12 53	1 26	3 39	1 46	3 10	0 56	18 23	0 39	22 42	0 41	23 35	0 12	10 49	0 54	25 6	2 38	17 2	17 6	19 15	7 44	1 43
S 30	16n38	8n 6	5s14	12n28	1s42	4n 7	1s46	3s 8	0n54	18n26	0s39	22s42	0n41	23n35	0n12	10s49	0s54	25n 6	2n38	17s 2	17s 5	19s16	7n45	1n43

Julian Day Number = 2157256.5, Delta T = 13m34s
Ecliptic obliquity = 23°32'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'19, Lahiri = 12°37'19 Julian Calendar 1 Apr. 1194 == Greg. Calendar 8 Apr. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

MAY 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 1 31	16♉42'50	8♍35	7°R 2	15♈42	9°R47	25♉ 8	6°R 9	23♊32	4♓18	16♋51	17°D11	17♏17	1♐12	15♈42	S 1
M 2	15 5 28	17°40'30	21°13	6♉38	16°54	9♎38	25°22	6♉ 7	23°35	4°19	16°52	17♏11	17°13	1°19	15°45	M 2
T 3	15 9 24	18°38'08	3♎37	6°18	18° 6	9°30	25°36	6° 5	23°38	4°20	16°53	17°11	17°10	1°26	15°48	T 3
W 4	15 13 21	19°35'45	15°48	6° 1	19°18	9°23	25°50	6° 3	23°41	4°21	16°54	17°11	17° 7	1°32	15°51	W 4
T 5	15 17 17	20°33'21	27°50	5°49	20°29	9°17	26° 4	6° 0	23°44	4°22	16°55	17°11	17° 4	1°39	15°54	T 5
F 6	15 21 14	21°30'55	9♏45	5°41	21°41	9°11	26°18	5°58	23°48	4°23	16°56	17°12	17° 1	1°46	15°57	F 6
S 7	15 25 10	22°28'28	21°36	5°D37	22°53	9° 6	26°32	5°56	23°51	4°23	16°57	17°R12	16°58	1°52	16° 1	S 7
S 8	15 29 7	23°26'00	3♐24	5°37	24° 5	9° 2	26°46	5°53	23°54	4°24	16°58	17°11	16°54	1°59	16° 4	S 8
M 9	15 33 3	24°23'30	15°13	5°42	25°17	8°59	27° 0	5°50	23°57	4°25	17° 0	17°11	16°51	2° 6	16° 7	M 9
T 10	15 37 0	25°21'00	27° 3	5°52	26°30	8°57	27°14	5°47	24° 1	4°26	17° 1	17°10	16°48	2°12	16°10	T 10
W11	15 40 57	26°18'29	8♑59	6° 6	27°42	8°55	27°28	5°45	24° 4	4°26	17° 2	17° 9	16°45	2°19	16°13	W11
T 12	15 44 53	27°15'57	21° 3	6°24	28°54	8°D54	27°41	5°42	24° 7	4°27	17° 3	17° 7	16°42	2°26	16°16	T 12
F 13	15 48 50	28°13'24	3♒18	6°47	0♉ 6	8°54	27°55	5°39	24°10	4°28	17° 4	17° 6	16°38	2°32	16°19	F 13
S 14	15 52 46	29°10'50	15°48	7°15	1°18	8°55	28° 9	5°36	24°14	4°28	17° 5	17° 5	16°35	2°39	16°22	S 14
S 15	15 56 43	0♊ 8'15	28°36	7°46	2°30	8°57	28°23	5°33	24°17	4°29	17° 6	17°D 5	16°32	2°46	16°24	S 15
M16	16 0 39	1° 5'40	11♓46	8°22	3°42	8°59	28°37	5°29	24°20	4°29	17° 8	17° 5	16°29	2°52	16°27	M16
T 17	16 4 36	2° 3'04	25°19	9° 1	4°55	9° 2	28°51	5°26	24°24	4°30	17° 9	17° 6	16°26	2°59	16°30	T 17
W18	16 8 32	3° 0'27	9♈19	9°45	6° 7	9° 6	29° 5	5°23	24°27	4°30	17°10	17° 7	16°23	3° 6	16°33	W18
T 19	16 12 29	3°57'50	23°43	10°32	7°19	9°11	29°19	5°19	24°31	4°31	17°11	17° 8	16°19	3°12	16°36	T 19
F 20	16 16 26	4°55'12	8♉30	11°23	8°31	9°16	29°33	5°16	24°34	4°31	17°13	17° 9	16°16	3°19	16°38	F 20
S 21	16 20 22	5°52'34	23°33	12°18	9°44	9°22	29°47	5°12	24°38	4°31	17°14	17°R 9	16°13	3°25	16°41	S 21
S 22	16 24 19	6°49'55	8♊44	13°16	10°56	9°29	0♊ 1	5° 9	24°41	4°32	17°15	17° 8	16°10	3°32	16°44	S 22
M23	16 28 15	7°47'15	23°55	14°18	12° 8	9°37	0°15	5° 5	24°45	4°32	17°17	17° 6	16° 7	3°39	16°46	M23
T 24	16 32 12	8°44'34	8♋54	15°24	13°21	9°45	0°29	5° 2	24°48	4°32	17°18	17° 4	16° 4	3°45	16°49	T 24
W25	16 36 8	9°41'53	23°35	16°32	14°33	9°54	0°43	4°58	24°52	4°32	17°19	17° 1	16° 0	3°52	16°51	W25
T 26	16 40 5	10°39'10	7♌52	17°44	15°46	10° 3	0°57	4°54	24°55	4°33	17°21	16°58	15°57	3°59	16°54	T 26
F 27	16 44 1	11°36'27	21°41	19° 0	16°58	10°14	1°11	4°50	24°59	4°33	17°22	16°56	15°54	4° 5	16°56	F 27
S 28	16 47 58	12°33'42	5♍ 2	20°18	18°11	10°25	1°24	4°46	25° 2	4°33	17°23	16°54	15°51	4°12	16°59	S 28
S 29	16 51 55	13°30'57	17°59	21°40	19°23	10°36	1°38	4°42	25° 6	4°33	17°25	16°D54	15°48	4°19	17° 1	S 29
M30	16 55 51	14°28'11	0♎34	23° 5	20°36	10°48	1°52	4°38	25° 9	4°33	17°26	16°55	15°44	4°25	17° 3	M30
T 31	16 59 48	15♊25'24	12♎51	24♉33	21♉48	11♎ 1	2♊ 6	4♑34	25♊13	4°R33	17♋28	16♏57	15♏41	4♐32	17♈ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n54	3n49	4s56	12n 5	1s57	4n34	1s46	3s 7	0n51	18n30	0s39	22s43	0n41	23n35	0n12	10s49	0s54	25n 6	2n38	17s 2	17s 4	19s16	7n47	1n42
M 2	17 11	0s33	4 24	11 43	2 11	5 2	1 46	3 6	0 48	18 33	0 39	22 43	0 41	23 35	0 12	10 48	0 54	25 5	2 38	17 2	17 3	19 17	7 48	1 42
T 3	17 27	4 48	3 39	11 24	2 25	5 30	1 46	3 5	0 46	18 37	0 39	22 43	0 41	23 35	0 12	10 48	0 54	25 5	2 38	17 2	17 2	19 17	7 49	1 42
W 4	17 42	8 48	2 46	11 7	2 37	5 57	1 46	3 5	0 43	18 40	0 39	22 43	0 41	23 35	0 12	10 48	0 54	25 5	2 38	17 2	17 1	19 18	7 50	1 42
T 5	17 58	12 23	1 46	10 52	2 49	6 24	1 46	3 5	0 40	18 43	0 39	22 43	0 41	23 35	0 12	10 48	0 54	25 5	2 38	17 2	17 0	19 18	7 52	1 42
F 6	18 13	15 27	0 41	10 39	2 59	6 52	1 45	3 5	0 38	18 47	0 39	22 43	0 41	23 36	0 12	10 47	0 54	25 5	2 39	17 2	16 59	19 19	7 53	1 42
S 7	18 28	17 51	0n24	10 29	3 8	7 19	1 45	3 5	0 35	18 50	0 39	22 43	0 41	23 36	0 12	10 47	0 54	25 5	2 39	17 2	16 58	19 19	7 54	1 42
S 8	18 43	19 28	1 29	10 22	3 17	7 46	1 44	3 6	0 32	18 53	0 39	22 43	0 41	23 36	0 12	10 47	0 54	25 5	2 39	17 2	16 57	19 20	7 55	1 42
M 9	18 57	20 14	2 29	10 17	3 24	8 13	1 44	3 7	0 30	18 57	0 38	22 44	0 41	23 36	0 12	10 47	0 54	25 5	2 39	17 2	16 57	19 20	7 56	1 42
T 10	19 11	20 7	3 24	10 14	3 30	8 40	1 43	3 9	0 27	19 0	0 38	22 44	0 41	23 36	0 12	10 46	0 54	25 5	2 39	17 2	16 56	19 21	7 57	1 42
W11	19 25	19 5	4 10	10 14	3 35	9 6	1 43	3 10	0 25	19 3	0 38	22 44	0 41	23 36	0 12	10 46	0 54	25 4	2 39	17 2	16 55	19 21	7 59	1 42
T 12	19 38	17 12	4 45	10 16	3 39	9 32	1 42	3 12	0 22	19 7	0 38	22 44	0 41	23 37	0 12	10 46	0 54	25 4	2 39	17 1	16 54	19 22	8 0	1 42
F 13	19 51	14 30	5 8	10 21	3 42	9 59	1 41	3 14	0 20	19 10	0 38	22 44	0 41	23 37	0 12	10 46	0 54	25 4	2 39	17 1	16 53	19 22	8 1	1 42
S 14	20 4	11 7	5 17	10 28	3 43	10 25	1 40	3 17	0 18	19 13	0 38	22 44	0 41	23 37	0 12	10 46	0 55	25 4	2 39	17 1	16 52	19 23	8 2	1 42
S 15	20 16	7 9	5 11	10 37	3 44	10 50	1 39	3 20	0 15	19 16	0 38	22 45	0 41	23 37	0 12	10 45	0 55	25 4	2 39	17 0	16 51	19 23	8 3	1 42
M16	20 28	2 44	4 48	10 49	3 44	11 16	1 38	3 23	0 13	19 19	0 38	22 45	0 41	23 37	0 12	10 45	0 55	25 4	2 39	17 1	16 50	19 24	8 4	1 42
T 17	20 40	1n57	4 9	11 2	3 44	11 41	1 37	3 26	0 11	19 23	0 38	22 45	0 41	23 37	0 12	10 45	0 55	25 4	2 39	17 1	16 49	19 24	8 5	1 42
W18	20 51	6 41	3 15	11 17	3 42	12 6	1 36	3 30	0 8	19 26	0 38	22 45	0 41	23 37	0 12	10 45	0 55	25 3	2 39	17 1	16 48	19 25	8 6	1 42
T 19	21 2	11 12	2 6	11 34	3 39	12 31	1 35	3 34	0 6	19 29	0 38	22 45	0 41	23 38	0 12	10 45	0 55	25 3	2 39	17 1	16 47	19 25	8 7	1 42
F 20	21 13	15 9	0 48	11 53	3 36	12 56	1 33	3 38	0 4	19 32	0 38	22 45	0 41	23 38	0 12	10 45	0 55	25 3	2 39	17 2	16 47	19 25	8 8	1 42
S 21	21 23	18 10	0s35	12 14	3 32	13 20	1 32	3 42	0 2	19 35	0 37	22 46	0 41	23 38	0 12	10 45	0 55	25 3	2 39	17 2	16 46	19 26	8 10	1 42
S 22	21 33	19 56	1 57	12 36	3 27	13 44	1 31	3 47	0s 1	19 38	0 37	22 46	0 41	23 38	0 12	10 45	0 55	25 3	2 39	17 1	16 45	19 26	8 11	1 42
M23	21 42	20 15	3 9	12 59	3 22	14 8	1 29	3 52	0 3	19 41	0 37	22 46	0 41	23 38	0 12	10 44	0 55	25 3	2 39	17 1	16 44	19 27	8 12	1 42
T 24	21 51	19 7	4 8	13 24	3 15	14 31	1 28	3 57	0 5	19 44	0 37	22 46	0 41	23 38	0 12	10 44	0 55	25 3	2 39	17 0	16 43	19 27	8 13	1 42
W25	22 0	16 43	4 49	13 50	3 9	14 54	1 26	4 2	0 7	19 47	0 37	22 46	0 40	23 38	0 12	10 44	0 55	25 2	2 39	16 59	16 42	19 28	8 14	1 42
T 26	22 8	13 22	5 11	14 17	3 1	15 17	1 25	4 8	0 9	19 50	0 37	22 47	0 40	23 39	0 12	10 44	0 55	25 2	2 39	16 58	16 41	19 28	8 14	1 42
F 27	22 16	9 23	5 14	14 46	2 53	15 39	1 23	4 14	0 11	19 53	0 37	22 47	0 40	23 39	0 12	10 44	0 55	25 2	2 39	16 58	16 40	19 28	8 15	1 42
S 28	22 24	5 3	4 59	15 15	2 45	16 1	1 21	4 20	0 13	19 56	0 37	22 47	0 40	23 39	0 12	10 44	0 55	25 2	2 39	16 58	16 39	19 29	8 16	1 42
S 29	22 31	0 38	4 30	15 45	2 36	16 23	1 19	4 26	0 15	19 58	0 37	22 47	0 40	23 39	0 12	10 44	0 55	25 2	2 39	16 57	16 38	19 29	8 17	1 42
M30	22 38	3s43	3 48	16 15	2 27	16 44	1 18	4 33	0 17	20 1	0 37	22 47	0 40	23 39	0 12	10 44	0 55	25 2	2 39	16 58	16 37	19 30	8 18	1 42
T 31	22n44	7s48	2s57	16n47	2s17	17n 4	1s16	4s40	0s18	20n 4	0s37	22s48	0n40	23n39	0n12	10s44	0s55	25n 1	2n39	16s58	16s36	19s30	8n19	1n42

Julian Day Number = 2157286.5, Delta T = 13m34s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'23, Lahiri = 12°37'23 Julian Calendar 1 May 1194 == Greg. Calendar 8 May 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

JUNE 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 3 44	16♊22'37	24♎54	26♉ 4	23♉ 1	11♎15	2♊20	4°R30	25♊16	4°R33	17♋29	16♏58	15♏38	4♐39	17♈ 8	W 1
T 2	17 7 41	17°19'49	6♏49	27°38	24°13	11°29	2°33	4♑26	25°20	4♓33	17°30	17° 0	15°35	4°45	17°10	T 2
F 3	17 11 37	18°17'00	18°38	29°15	25°26	11°43	2°47	4°22	25°24	4°33	17°32	17°R 0	15°32	4°52	17°12	F 3
S 4	17 15 34	19°14'11	0♐26	0♊56	26°38	11°58	3° 1	4°18	25°27	4°33	17°33	16°59	15°29	4°59	17°14	S 4
S 5	17 19 30	20°11'22	12°14	2°39	27°51	12°14	3°14	4°14	25°31	4°33	17°35	16°57	15°25	5° 5	17°16	S 5
M 6	17 23 27	21° 8'32	24° 6	4°25	29° 4	12°31	3°28	4°10	25°34	4°33	17°36	16°53	15°22	5°12	17°18	M 6
T 7	17 27 24	22° 5'42	6♑ 3	6°14	0♊16	12°47	3°41	4° 5	25°38	4°32	17°38	16°47	15°19	5°19	17°20	T 7
W 8	17 31 20	23° 2'51	18° 7	8° 6	1°29	13° 5	3°55	4° 1	25°42	4°32	17°39	16°41	15°16	5°25	17°22	W 8
T 9	17 35 17	24° 0'01	0♒20	10° 0	2°42	13°23	4° 9	3°57	25°45	4°32	17°41	16°35	15°13	5°32	17°24	T 9
F 10	17 39 13	24°57'10	12°44	11°57	3°54	13°41	4°22	3°52	25°49	4°32	17°43	16°29	15°10	5°39	17°26	F 10
S 11	17 43 10	25°54'20	25°20	13°56	5° 7	14° 0	4°35	3°48	25°52	4°31	17°44	16°24	15° 6	5°45	17°28	S 11
S 12	17 47 6	26°51'29	8♓11	15°58	6°20	14°19	4°49	3°44	25°56	4°31	17°46	16°21	15° 3	5°52	17°30	S 12
M13	17 51 3	27°48'39	21°20	18° 1	7°33	14°39	5° 2	3°39	26° 0	4°30	17°47	16°19	15° 0	5°58	17°31	M13
T 14	17 54 59	28°45'49	4♈47	20° 7	8°46	15° 0	5°16	3°35	26° 3	4°30	17°49	16°D19	14°57	6° 5	17°33	T 14
W15	17 58 56	29°43'00	18°37	22°13	9°59	15°20	5°29	3°30	26° 7	4°30	17°50	16°20	14°54	6°12	17°35	W15
T 16	18 2 53	0♋40'10	2♉48	24°21	11°12	15°42	5°42	3°26	26°10	4°29	17°52	16°21	14°50	6°18	17°36	T 16
F 17	18 6 49	1°37'21	17°20	26°30	12°24	16° 3	5°55	3°22	26°14	4°29	17°54	16°R22	14°47	6°25	17°38	F 17
S 18	18 10 46	2°34'33	2♊10	28°40	13°37	16°26	6° 9	3°17	26°18	4°28	17°55	16°21	14°44	6°32	17°39	S 18
S 19	18 14 42	3°31'44	17°12	0♋50	14°50	16°48	6°22	3°13	26°21	4°27	17°57	16°18	14°41	6°38	17°41	S 19
M20	18 18 39	4°28'56	2♋17	3° 0	16° 3	17°11	6°35	3° 8	26°25	4°27	17°58	16°13	14°38	6°45	17°42	M20
T 21	18 22 35	5°26'09	17°16	5° 9	17°17	17°35	6°48	3° 4	26°28	4°26	18° 0	16° 6	14°35	6°52	17°43	T 21
W22	18 26 32	6°23'21	2♌ 1	7°18	18°30	17°59	7° 1	2°59	26°32	4°26	18° 2	15°58	14°31	6°58	17°45	W22
T 23	18 30 28	7°20'33	16°23	9°27	19°43	18°23	7°14	2°55	26°35	4°25	18° 3	15°51	14°28	7° 5	17°46	T 23
F 24	18 34 25	8°17'46	0♍18	11°35	20°56	18°48	7°27	2°51	26°39	4°24	18° 5	15°44	14°25	7°12	17°47	F 24
S 25	18 38 22	9°14'58	13°45	13°41	22° 9	19°13	7°40	2°46	26°43	4°23	18° 7	15°40	14°22	7°18	17°48	S 25
S 26	18 42 18	10°12'10	26°44	15°46	23°22	19°38	7°52	2°42	26°46	4°23	18° 8	15°37	14°19	7°25	17°49	S 26
M27	18 46 15	11° 9'23	9♎20	17°50	24°35	20° 4	8° 5	2°37	26°50	4°22	18°10	15°D36	14°16	7°32	17°50	M27
T 28	18 50 11	12° 6'36	21°36	19°53	25°49	20°30	8°18	2°33	26°53	4°21	18°11	15°36	14°12	7°38	17°51	T 28
W29	18 54 8	13° 3'49	3♏37	21°54	27° 2	20°57	8°31	2°29	26°57	4°20	18°13	15°37	14° 9	7°45	17°52	W29
T 30	18 58 4	14♋ 1'02	15♏29	23♋53	28♊15	21♎24	8♊43	2♑25	27♊ 0	4♓19	18♋15	15°R38	14♏ 6	7♐52	17♈53	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n50	11s31	1s58	17n18	2s 7	17n25	1s14	4s47	0s20	20n 7	0s37	22s48	0n40	23n39	0n12	10s44	0s55	25n 1	2n39	16s59	16s35	19s30	8n20	1n42
T 2	22 56	14 43	0 56	17 50	1 56	17 45	1 12	4 54	0 22	20 10	0 37	22 48	0 40	23 40	0 12	10 44	0 55	25 1	2 39	16 59	16 35	19 31	8 21	1 42
F 3	23 1	17 18	0n 9	18 22	1 45	18 4	1 10	5 1	0 24	20 12	0 37	22 48	0 40	23 40	0 12	10 45	0 55	25 1	2 39	16 59	16 34	19 31	8 22	1 43
S 4	23 6	19 8	1 13	18 54	1 34	18 23	1 8	5 9	0 26	20 15	0 37	22 48	0 40	23 40	0 12	10 45	0 55	25 1	2 39	16 59	16 33	19 32	8 23	1 43
S 5	23 11	20 9	2 14	19 26	1 23	18 42	1 6	5 17	0 27	20 18	0 36	22 49	0 40	23 40	0 12	10 45	0 55	25 1	2 39	16 58	16 32	19 32	8 23	1 43
M 6	23 15	20 16	3 9	19 57	1 11	19 0	1 4	5 24	0 29	20 20	0 36	22 49	0 40	23 40	0 12	10 45	0 55	25 0	2 39	16 57	16 31	19 32	8 24	1 43
T 7	23 18	19 28	3 56	20 28	0 59	19 18	1 1	5 33	0 31	20 23	0 36	22 49	0 40	23 40	0 12	10 45	0 55	25 0	2 39	16 56	16 30	19 33	8 25	1 43
W 8	23 22	17 48	4 33	20 58	0 48	19 35	0 59	5 41	0 32	20 26	0 36	22 49	0 40	23 40	0 12	10 45	0 56	25 0	2 39	16 54	16 29	19 33	8 26	1 43
T 9	23 24	15 18	4 58	21 27	0 36	19 51	0 57	5 49	0 34	20 28	0 36	22 49	0 40	23 40	0 12	10 45	0 56	25 0	2 39	16 52	16 28	19 33	8 26	1 43
F 10	23 27	12 6	5 10	21 55	0 24	20 7	0 55	5 58	0 35	20 31	0 36	22 50	0 39	23 41	0 12	10 45	0 56	25 0	2 39	16 50	16 27	19 34	8 27	1 43
S 11	23 29	8 19	5 7	22 22	0 13	20 23	0 53	6 7	0 37	20 33	0 36	22 50	0 39	23 41	0 12	10 45	0 56	25 0	2 39	16 49	16 26	19 34	8 28	1 43
S 12	23 30	4 5	4 48	22 47	0 1	20 38	0 50	6 16	0 39	20 36	0 36	22 50	0 39	23 41	0 12	10 46	0 56	24 59	2 39	16 48	16 25	19 34	8 29	1 43
M13	23 31	0n27	4 15	23 10	0n10	20 53	0 48	6 25	0 40	20 38	0 36	22 50	0 39	23 41	0 12	10 46	0 56	24 59	2 39	16 47	16 24	19 35	8 29	1 43
T 14	23 32	5 4	3 26	23 31	0 21	21 6	0 46	6 34	0 42	20 41	0 36	22 50	0 39	23 41	0 12	10 46	0 56	24 59	2 40	16 47	16 23	19 35	8 30	1 43
W15	23 32	9 33	2 25	23 50	0 31	21 20	0 43	6 44	0 43	20 43	0 36	22 51	0 39	23 41	0 12	10 46	0 56	24 59	2 40	16 48	16 22	19 35	8 31	1 43
T 16	23 32	13 38	1 13	24 6	0 41	21 33	0 41	6 53	0 44	20 46	0 36	22 51	0 39	23 41	0 12	10 46	0 56	24 59	2 40	16 48	16 22	19 36	8 31	1 43
F 17	23 32	17 0	0s 5	24 20	0 50	21 45	0 38	7 3	0 46	20 48	0 36	22 51	0 39	23 41	0 12	10 47	0 56	24 59	2 40	16 48	16 21	19 36	8 32	1 43
S 18	23 31	19 18	1 25	24 31	0 59	21 56	0 36	7 13	0 47	20 50	0 36	22 51	0 39	23 42	0 12	10 47	0 56	24 58	2 40	16 48	16 20	19 36	8 32	1 43
S 19	23 30	20 17	2 39	24 40	1 7	22 7	0 33	7 23	0 49	20 53	0 36	22 51	0 39	23 42	0 12	10 47	0 56	24 58	2 40	16 47	16 19	19 37	8 33	1 43
M20	23 28	19 49	3 42	24 45	1 15	22 18	0 31	7 33	0 50	20 55	0 36	22 52	0 39	23 42	0 12	10 47	0 56	24 58	2 40	16 46	16 18	19 37	8 33	1 43
T 21	23 26	17 58	4 30	24 48	1 22	22 27	0 28	7 43	0 51	20 57	0 36	22 52	0 39	23 42	0 12	10 48	0 56	24 58	2 40	16 44	16 17	19 37	8 34	1 43
W22	23 23	14 57	4 58	24 48	1 28	22 37	0 26	7 53	0 53	20 59	0 36	22 52	0 38	23 42	0 12	10 48	0 56	24 58	2 40	16 41	16 16	19 38	8 35	1 43
T 23	23 20	11 6	5 7	24 45	1 33	22 45	0 23	8 4	0 54	21 2	0 36	22 52	0 38	23 42	0 12	10 48	0 56	24 58	2 40	16 39	16 15	19 38	8 35	1 43
F 24	23 17	6 46	4 58	24 39	1 38	22 53	0 21	8 14	0 55	21 4	0 35	22 52	0 38	23 42	0 12	10 48	0 56	24 57	2 40	16 37	16 14	19 38	8 36	1 43
S 25	23 13	2 15	4 31	24 31	1 42	23 0	0 18	8 25	0 56	21 6	0 35	22 53	0 38	23 42	0 12	10 49	0 56	24 57	2 40	16 36	16 13	19 38	8 36	1 43
S 26	23 9	2s15	3 52	24 20	1 45	23 7	0 16	8 36	0 57	21 8	0 35	22 53	0 38	23 42	0 12	10 49	0 56	24 57	2 40	16 35	16 12	19 39	8 36	1 43
M27	23 4	6 30	3 2	24 7	1 47	23 12	0 13	8 47	0 59	21 10	0 35	22 53	0 38	23 42	0 12	10 49	0 56	24 57	2 40	16 35	16 11	19 39	8 37	1 43
T 28	22 59	10 23	2 5	23 51	1 49	23 18	0 11	8 58	1 0	21 12	0 35	22 53	0 38	23 43	0 12	10 50	0 56	24 57	2 40	16 35	16 10	19 39	8 37	1 43
W29	22 54	13 47	1 4	23 34	1 50	23 22	0 8	9 9	1 1	21 14	0 35	22 53	0 38	23 43	0 12	10 50	0 56	24 57	2 40	16 35	16 9	19 40	8 38	1 43
T 30	22n48	16s34	0s 1	23n14	1n50	23n26	0s 6	9s20	1s 2	21n16	0s35	22s53	0n38	23n43	0n12	10s50	0s56	24n56	2n40	16s35	16s 8	19s40	8n38	1n43

Julian Day Number = 2157317.5, Delta T = 13m33s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'27, Lahiri = 12°37'28 Julian Calendar 1 June 1194 == Greg. Calendar 8 June 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

JULY 1194 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 2 1	14♋58'15	27♏17	25♋51	29♊28	21♎51	8♊56	2°R20	27♊ 4	4°R18	18♋16	15°R37	14♏ 3	7♐58	17♈54	F 1
S 2	19 5 57	15°55'29	9♐ 5	27°47	0♋42	22°19	9° 8	2♉16	27° 7	4♓17	18°18	15♏34	14° 0	8° 5	17°55	S 2
S 3	19 9 54	16°52'43	20°57	29°41	1°55	22°46	9°20	2°12	27°11	4°16	18°20	15°29	13°56	8°12	17°55	S 3
M 4	19 13 51	17°49'58	2♉55	1♌33	3° 8	23°15	9°33	2° 8	27°14	4°15	18°21	15°21	13°53	8°18	17°56	M 4
T 5	19 17 47	18°47'13	15° 1	3°24	4°22	23°43	9°45	2° 3	27°17	4°14	18°23	15°12	13°50	8°25	17°56	T 5
W 6	19 21 44	19°44'29	27°18	5°13	5°35	24°12	9°57	1°59	27°21	4°13	18°25	15° 1	13°47	8°32	17°57	W 6
T 7	19 25 40	20°41'46	9♒45	7° 0	6°49	24°41	10° 9	1°55	27°24	4°12	18°26	14°49	13°44	8°38	17°57	T 7
F 8	19 29 37	21°39'03	22°23	8°46	8° 2	25°11	10°21	1°51	27°28	4°11	18°28	14°38	13°41	8°45	17°58	F 8
S 9	19 33 33	22°36'22	5♓14	10°29	9°16	25°40	10°33	1°47	27°31	4°10	18°30	14°29	13°37	8°52	17°58	S 9
S 10	19 37 30	23°33'41	18°16	12°11	10°29	26°10	10°45	1°43	27°34	4° 9	18°31	14°22	13°34	8°58	17°59	S 10
M11	19 41 26	24°31'01	1♈31	13°52	11°43	26°41	10°57	1°39	27°38	4° 8	18°33	14°18	13°31	9° 5	17°59	M11
T 12	19 45 23	25°28'23	15° 1	15°30	12°56	27°11	11° 9	1°35	27°41	4° 7	18°35	14°16	13°28	9°12	17°59	T 12
W13	19 49 20	26°25'45	28°45	17° 7	14°10	27°42	11°21	1°32	27°44	4° 5	18°36	14°D15	13°25	9°18	17°59	W13
T 14	19 53 16	27°23'09	12♉46	18°43	15°24	28°13	11°32	1°28	27°48	4° 4	18°38	14°R15	13°21	9°25	17°59	T 14
F 15	19 57 13	28°20'34	27° 3	20°16	16°37	28°45	11°44	1°24	27°51	4° 3	18°40	14°15	13°18	9°32	17°R59	F 15
S 16	20 1 9	29°18'01	11♊34	21°48	17°51	29°17	11°55	1°21	27°54	4° 2	18°41	14°13	13°15	9°38	17°59	S 16
S 17	20 5 6	0♌15'28	26°16	23°18	19° 5	29°49	12° 7	1°17	27°57	4° 0	18°43	14° 8	13°12	9°45	17°59	S 17
M18	20 9 2	1°12'57	11♋ 3	24°46	20°19	0♏21	12°18	1°13	28° 0	3°59	18°45	14° 1	13° 9	9°52	17°59	M18
T 19	20 12 59	2°10'27	25°47	26°13	21°32	0°53	12°29	1°10	28° 3	3°58	18°46	13°51	13° 6	9°58	17°59	T 19
W20	20 16 56	3° 7'58	10♌21	27°38	22°46	1°26	12°40	1° 6	28° 7	3°56	18°48	13°40	13° 2	10° 5	17°59	W20
T 21	20 20 52	4° 5'31	24°37	29° 1	24° 0	1°59	12°51	1° 3	28°10	3°55	18°49	13°28	12°59	10°12	17°59	T 21
F 22	20 24 49	5° 3'04	8♍30	0♍22	25°14	2°32	13° 2	1° 0	28°13	3°54	18°51	13°18	12°56	10°18	17°58	F 22
S 23	20 28 45	6° 0'38	21°56	1°41	26°28	3° 6	13°13	0°57	28°16	3°52	18°53	13°10	12°53	10°25	17°58	S 23
S 24	20 32 42	6°58'13	4♎57	2°59	27°42	3°39	13°24	0°53	28°19	3°51	18°54	13° 5	12°50	10°32	17°57	S 24
M25	20 36 38	7°55'49	17°34	4°14	28°56	4°13	13°35	0°50	28°22	3°49	18°56	13° 2	12°47	10°38	17°57	M25
T 26	20 40 35	8°53'26	29°51	5°27	0♌10	4°48	13°45	0°47	28°25	3°48	18°57	13° 0	12°43	10°45	17°56	T 26
W27	20 44 31	9°51'04	11♏53	6°39	1°24	5°22	13°56	0°44	28°28	3°47	18°59	13° 0	12°40	10°51	17°56	W27
T 28	20 48 28	10°48'43	23°45	7°48	2°38	5°56	14° 6	0°42	28°31	3°45	19° 1	13° 0	12°37	10°58	17°55	T 28
F 29	20 52 24	11°46'23	5♐34	8°55	3°52	6°31	14°16	0°39	28°33	3°44	19° 2	12°59	12°34	11° 5	17°54	F 29
S 30	20 56 21	12°44'05	17°24	9°59	5° 6	7° 6	14°27	0°36	28°36	3°42	19° 4	12°55	12°31	11°11	17°54	S 30
S 31	21 0 18	13♌41'47	29♐19	11♍ 1	6♌20	7♏42	14♊37	0♉33	28♊39	3♓41	19♋ 5	12♏50	12♏27	11♐18	17♈53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n42	18s38	1n 2	22n52	1n50	23n29	0s 3	9s31	1s 3	21n18	0s35	22s54	0n38	23n43	0n12	10s51	0s56	24n56	2n40	16s35	16s 7	19s40	8n38	1n43
S 2	22 35	19 54	2 2	22 28	1 49	23 32	0 1	9 43	1 4	21 20	0 35	22 54	0 38	23 43	0 12	10 51	0 56	24 56	2 40	16 34	16 6	19 40	8 39	1 43
S 3	22 28	20 17	2 57	22 3	1 47	23 33	0n 2	9 54	1 5	21 22	0 35	22 54	0 37	23 43	0 12	10 52	0 56	24 56	2 41	16 33	16 5	19 41	8 39	1 43
M 4	22 21	19 46	3 45	21 36	1 45	23 34	0 4	10 6	1 6	21 24	0 35	22 54	0 37	23 43	0 12	10 52	0 57	24 56	2 41	16 31	16 4	19 41	8 39	1 43
T 5	22 13	18 21	4 23	21 8	1 42	23 35	0 7	10 17	1 7	21 26	0 35	22 54	0 37	23 43	0 12	10 52	0 57	24 56	2 41	16 28	16 4	19 41	8 39	1 43
W 6	22 5	16 4	4 49	20 39	1 39	23 35	0 9	10 29	1 8	21 28	0 35	22 55	0 37	23 43	0 12	10 53	0 57	24 55	2 41	16 25	16 3	19 41	8 40	1 43
T 7	21 56	13 2	5 2	20 8	1 35	23 34	0 12	10 41	1 9	21 29	0 35	22 55	0 37	23 43	0 12	10 53	0 57	24 55	2 41	16 21	16 2	19 42	8 40	1 43
F 8	21 48	9 23	5 0	19 36	1 31	23 32	0 14	10 52	1 10	21 31	0 35	22 55	0 37	23 43	0 12	10 54	0 57	24 55	2 41	16 18	16 1	19 42	8 40	1 43
S 9	21 38	5 14	4 43	19 4	1 26	23 29	0 16	11 4	1 11	21 33	0 35	22 55	0 37	23 44	0 12	10 54	0 57	24 55	2 41	16 15	16 0	19 42	8 40	1 43
S 10	21 29	0 48	4 12	18 30	1 21	23 26	0 19	11 16	1 12	21 35	0 35	22 55	0 37	23 44	0 12	10 55	0 57	24 55	2 41	16 13	15 59	19 42	8 40	1 43
M11	21 19	3n46	3 27	17 56	1 15	23 23	0 21	11 28	1 13	21 36	0 35	22 55	0 37	23 44	0 12	10 55	0 57	24 55	2 41	16 12	15 58	19 42	8 40	1 43
T 12	21 8	8 13	2 29	17 21	1 9	23 18	0 24	11 40	1 14	21 38	0 35	22 55	0 36	23 44	0 12	10 55	0 57	24 54	2 41	16 11	15 57	19 43	8 41	1 43
W13	20 57	12 21	1 21	16 46	1 3	23 13	0 26	11 52	1 15	21 40	0 35	22 56	0 36	23 44	0 12	10 56	0 57	24 54	2 41	16 11	15 56	19 43	8 41	1 44
T 14	20 46	15 52	0 8	16 10	0 56	23 7	0 28	12 4	1 16	21 41	0 35	22 56	0 36	23 44	0 12	10 56	0 57	24 54	2 41	16 11	15 55	19 43	8 41	1 44
F 15	20 35	18 29	1s 7	15 34	0 49	23 0	0 30	12 16	1 17	21 43	0 35	22 56	0 36	23 44	0 12	10 57	0 57	24 54	2 41	16 11	15 54	19 43	8 41	1 44
S 16	20 23	19 58	2 19	14 57	0 41	22 53	0 33	12 28	1 17	21 44	0 35	22 56	0 36	23 44	0 12	10 57	0 57	24 54	2 41	16 10	15 53	19 43	8 41	1 44
S 17	20 11	20 6	3 23	14 20	0 33	22 45	0 35	12 40	1 18	21 46	0 35	22 56	0 36	23 44	0 13	10 58	0 57	24 54	2 42	16 9	15 52	19 44	8 41	1 44
M18	19 58	18 52	4 13	13 43	0 25	22 37	0 37	12 52	1 19	21 48	0 35	22 56	0 36	23 44	0 13	10 58	0 57	24 54	2 42	16 7	15 51	19 44	8 41	1 44
T 19	19 46	16 23	4 47	13 6	0 17	22 27	0 39	13 5	1 20	21 49	0 35	22 57	0 36	23 44	0 13	10 59	0 57	24 53	2 42	16 4	15 50	19 44	8 41	1 44
W20	19 32	12 54	5 1	12 29	0 8	22 17	0 41	13 17	1 21	21 50	0 35	22 57	0 36	23 44	0 13	10 59	0 57	24 53	2 42	16 0	15 49	19 44	8 41	1 44
T 21	19 19	8 43	4 56	11 52	0s 1	22 7	0 43	13 29	1 21	21 52	0 35	22 57	0 35	23 44	0 13	11 0	0 57	24 53	2 42	15 57	15 48	19 44	8 41	1 44
F 22	19 5	4 12	4 33	11 14	0 10	21 56	0 45	13 41	1 22	21 53	0 35	22 57	0 35	23 44	0 13	11 0	0 57	24 53	2 42	15 54	15 47	19 45	8 41	1 44
S 23	18 51	0s24	3 56	10 38	0 19	21 44	0 47	13 54	1 23	21 55	0 35	22 57	0 35	23 44	0 13	11 1	0 57	24 53	2 42	15 52	15 46	19 45	8 40	1 44
S 24	18 37	4 50	3 7	10 1	0 28	21 31	0 49	14 6	1 23	21 56	0 35	22 57	0 35	23 44	0 13	11 2	0 57	24 53	2 42	15 50	15 45	19 45	8 40	1 44
M25	18 22	8 56	2 11	9 24	0 38	21 18	0 51	14 18	1 24	21 57	0 35	22 57	0 35	23 45	0 13	11 2	0 57	24 53	2 42	15 49	15 44	19 45	8 40	1 44
T 26	18 7	12 33	1 9	8 48	0 48	21 4	0 53	14 30	1 25	21 59	0 34	22 58	0 35	23 45	0 13	11 3	0 57	24 52	2 42	15 49	15 43	19 45	8 40	1 44
W27	17 51	15 34	0 6	8 13	0 58	20 50	0 55	14 43	1 25	22 0	0 34	22 58	0 35	23 45	0 13	11 3	0 57	24 52	2 42	15 49	15 42	19 45	8 40	1 44
T 28	17 36	17 53	0n57	7 38	1 8	20 35	0 57	14 55	1 26	22 1	0 34	22 58	0 35	23 45	0 13	11 4	0 57	24 52	2 43	15 48	15 41	19 46	8 39	1 44
F 29	17 20	19 25	1 57	7 3	1 18	20 19	0 59	15 7	1 27	22 2	0 34	22 58	0 34	23 45	0 13	11 4	0 57	24 52	2 43	15 48	15 40	19 46	8 39	1 44
S 30	17 4	20 6	2 51	6 30	1 28	20 3	1 0	15 19	1 27	22 4	0 34	22 58	0 34	23 45	0 13	11 5	0 57	24 52	2 43	15 47	15 39	19 46	8 39	1 44
S 31	16n47	19s53	3n39	5n57	1s39	19n46	1n 2	15s31	1s28	22n 5	0s34	22s58	0n34	23n45	0n13	11s 5	0s57	24n52	2n43	15s45	15s39	19s46	8n39	1n44

Julian Day Number = 2157347.5, Delta T = 13m33s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'31, Lahiri = 12°37'32 Julian Calendar 1 July 1194 == Greg. Calendar 8 July 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

AUGUST 1194 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 4 14	14♌39'31	11♉24	12♍ 1	7♌34	8♏17	14♊47	0°R31	28♊42	3°R39	19♋ 7	12°R41	12♏24	11♐25	17°R52	M 1
T 2	21 8 11	15°37'16	23°40	12°57	8°48	8°53	14°56	0♉28	28°45	3♓38	19° 8	12♏30	12°21	11°31	17♈51	T 2
W 3	21 12 7	16°35'03	6♒10	13°51	10° 2	9°28	15° 6	0°26	28°47	3°36	19°10	12°17	12°18	11°38	17°50	W 3
T 4	21 16 4	17°32'50	18°55	14°42	11°17	10° 4	15°16	0°24	28°50	3°34	19°11	12° 4	12°15	11°45	17°49	T 4
F 5	21 20 0	18°30'40	1♓53	15°30	12°31	10°41	15°25	0°21	28°53	3°33	19°13	11°52	12°12	11°51	17°48	F 5
S 6	21 23 57	19°28'31	15° 3	16°14	13°45	11°17	15°35	0°19	28°55	3°31	19°14	11°41	12° 8	11°58	17°47	S 6
S 7	21 27 53	20°26'23	28°25	16°54	14°59	11°54	15°44	0°17	28°58	3°30	19°16	11°33	12° 5	12° 5	17°46	S 7
M 8	21 31 50	21°24'17	11♈57	17°31	16°14	12°30	15°53	0°15	29° 0	3°28	19°17	11°28	12° 2	12°11	17°44	M 8
T 9	21 35 47	22°22'13	25°39	18° 4	17°28	13° 7	16° 2	0°13	29° 3	3°26	19°19	11°25	11°59	12°18	17°43	T 9
W10	21 39 43	23°20'11	9♉29	18°32	18°42	13°44	16°11	0°12	29° 5	3°25	19°20	11°D25	11°56	12°25	17°42	W10
T 11	21 43 40	24°18'11	23°28	18°56	19°57	14°22	16°20	0°10	29° 8	3°23	19°21	11°R25	11°53	12°31	17°40	T 11
F 12	21 47 36	25°16'13	7♊36	19°15	21°11	14°59	16°29	0° 8	29°10	3°22	19°23	11°24	11°49	12°38	17°39	F 12
S 13	21 51 33	26°14'17	21°51	19°29	22°25	15°37	16°37	0° 7	29°12	3°20	19°24	11°22	11°46	12°45	17°38	S 13
S 14	21 55 29	27°12'23	6♋11	19°37	23°40	16°15	16°46	0° 5	29°15	3°18	19°26	11°18	11°43	12°51	17°36	S 14
M15	21 59 26	28°10'31	20°34	19°R40	24°54	16°53	16°54	0° 4	29°17	3°17	19°27	11°11	11°40	12°58	17°35	M15
T 16	22 3 22	29° 8'41	4♌54	19°37	26° 9	17°31	17° 2	0° 3	29°19	3°15	19°28	11° 1	11°37	13° 5	17°33	T 16
W17	22 7 19	0♍ 6'53	19° 5	19°27	27°23	18° 9	17°10	0° 2	29°21	3°13	19°30	10°50	11°33	13°11	17°31	W17
T 18	22 11 16	1° 5'06	3♍ 2	19°12	28°38	18°48	17°18	0° 1	29°23	3°12	19°31	10°39	11°30	13°18	17°30	T 18
F 19	22 15 12	2° 3'21	16°41	18°49	29°52	19°26	17°26	29♐59	29°26	3°10	19°32	10°29	11°27	13°25	17°28	F 19
S 20	22 19 9	3° 1'38	29°59	18°21	1♍ 7	20° 5	17°34	29°59	29°28	3° 8	19°33	10°21	11°24	13°31	17°26	S 20
S 21	22 23 5	3°59'57	12♎55	17°46	2°22	20°44	17°41	29°58	29°30	3° 7	19°35	10°15	11°21	13°38	17°24	S 21
M22	22 27 2	4°58'17	25°29	17° 5	3°36	21°23	17°48	29°57	29°32	3° 5	19°36	10°12	11°18	13°45	17°22	M22
T 23	22 30 58	5°56'39	7♏46	16°18	4°51	22° 2	17°56	29°57	29°34	3° 3	19°37	10°D11	11°14	13°51	17°20	T 23
W24	22 34 55	6°55'03	19°48	15°26	6° 5	22°42	18° 3	29°56	29°35	3° 2	19°38	10°11	11°11	13°58	17°18	W24
T 25	22 38 51	7°53'28	1♐42	14°30	7°20	23°21	18°10	29°56	29°37	3° 0	19°40	10°12	11° 8	14° 5	17°16	T 25
F 26	22 42 48	8°51'55	13°31	13°30	8°35	24° 1	18°16	29°56	29°39	2°59	19°41	10°R12	11° 5	14°11	17°14	F 26
S 27	22 46 45	9°50'24	25°22	12°29	9°49	24°41	18°23	29°55	29°41	2°57	19°42	10°11	11° 2	14°18	17°12	S 27
S 28	22 50 41	10°48'54	7♑20	11°26	11° 4	25°21	18°29	29°D55	29°42	2°55	19°43	10° 7	10°59	14°25	17°10	S 28
M29	22 54 38	11°47'26	19°29	10°24	12°19	26° 1	18°36	29°55	29°44	2°54	19°44	10° 1	10°55	14°31	17° 8	M29
T 30	22 58 34	12°46'00	1♒52	9°24	13°34	26°41	18°42	29°55	29°46	2°52	19°45	9°54	10°52	14°38	17° 6	T 30
W31	23 2 31	13♍44'35	14♒33	8♍27	14♍48	27♏22	18♊48	29♐56	29♊47	2♓50	19♋46	9♏44	10♏49	14♐45	17♈ 4	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n30	18s47	4n17	5n24	1s49	19n29	1n 3	15s43	1s29	22n 6	0s34	22s58	0n34	23n45	0n13	11s 6	0s57	24n52	2n43	15s43	15s38	19s46	8n38	1n44
T 2	16 13	16 47	4 45	4 53	2 0	19 11	1 5	15 56	1 29	22 7	0 34	22 59	0 34	23 45	0 13	11 7	0 57	24 51	2 43	15 39	15 37	19 46	8 38	1 44
W 3	15 56	13 59	4 59	4 23	2 10	18 52	1 7	16 8	1 30	22 8	0 34	22 59	0 34	23 45	0 13	11 7	0 57	24 51	2 43	15 35	15 36	19 46	8 38	1 44
T 4	15 38	10 29	4 58	3 54	2 20	18 33	1 8	16 20	1 30	22 9	0 34	22 59	0 34	23 45	0 13	11 8	0 57	24 51	2 43	15 31	15 35	19 47	8 37	1 44
F 5	15 21	6 27	4 43	3 26	2 31	18 14	1 9	16 32	1 31	22 10	0 34	22 59	0 34	23 45	0 13	11 8	0 57	24 51	2 43	15 28	15 34	19 47	8 37	1 44
S 6	15 3	2 3	4 12	2 59	2 41	17 54	1 11	16 44	1 31	22 11	0 34	22 59	0 33	23 45	0 13	11 9	0 57	24 51	2 43	15 24	15 33	19 47	8 36	1 44
S 7	14 44	2n31	3 27	2 34	2 51	17 33	1 12	16 55	1 32	22 12	0 34	22 59	0 33	23 45	0 13	11 10	0 57	24 51	2 43	15 22	15 32	19 47	8 36	1 44
M 8	14 26	7 2	2 29	2 11	3 1	17 12	1 13	17 7	1 32	22 13	0 34	22 59	0 33	23 45	0 13	11 10	0 57	24 51	2 44	15 20	15 31	19 47	8 36	1 44
T 9	14 7	11 14	1 23	1 49	3 10	16 51	1 14	17 19	1 33	22 14	0 34	22 59	0 33	23 45	0 13	11 11	0 57	24 51	2 44	15 19	15 30	19 47	8 35	1 44
W10	13 48	14 52	0 10	1 30	3 20	16 29	1 15	17 31	1 33	22 15	0 34	23 0	0 33	23 45	0 13	11 11	0 57	24 51	2 44	15 19	15 29	19 47	8 35	1 44
T 11	13 29	17 42	1s 3	1 12	3 29	16 6	1 16	17 42	1 34	22 16	0 34	23 0	0 33	23 45	0 13	11 12	0 57	24 50	2 44	15 19	15 28	19 47	8 34	1 44
F 12	13 9	19 28	2 14	0 57	3 37	15 43	1 17	17 54	1 34	22 17	0 34	23 0	0 33	23 45	0 13	11 13	0 57	24 50	2 44	15 19	15 27	19 47	8 34	1 44
S 13	12 49	20 1	3 17	0 44	3 45	15 20	1 18	18 6	1 35	22 18	0 34	23 0	0 33	23 45	0 13	11 13	0 58	24 50	2 44	15 18	15 26	19 47	8 33	1 44
S 14	12 30	19 16	4 8	0 34	3 52	14 56	1 19	18 17	1 35	22 19	0 34	23 0	0 32	23 45	0 13	11 14	0 58	24 50	2 44	15 17	15 25	19 48	8 32	1 44
M15	12 10	17 18	4 43	0 27	3 59	14 32	1 20	18 28	1 35	22 20	0 34	23 0	0 32	23 45	0 13	11 14	0 58	24 50	2 44	15 15	15 24	19 48	8 32	1 44
T 16	11 49	14 16	5 0	0 23	4 5	14 7	1 21	18 40	1 36	22 20	0 34	23 0	0 32	23 45	0 13	11 15	0 58	24 50	2 44	15 12	15 23	19 48	8 31	1 44
W17	11 29	10 26	4 59	0 22	4 10	13 42	1 21	18 51	1 36	22 21	0 34	23 1	0 32	23 45	0 13	11 16	0 58	24 50	2 45	15 8	15 22	19 48	8 31	1 44
T 18	11 8	6 5	4 40	0 24	4 14	13 17	1 22	19 2	1 37	22 22	0 34	23 1	0 32	23 45	0 13	11 16	0 58	24 50	2 45	15 5	15 21	19 48	8 30	1 44
F 19	10 47	1 31	4 5	0 31	4 16	12 51	1 23	19 13	1 37	22 23	0 34	23 1	0 32	23 46	0 13	11 17	0 58	24 50	2 45	15 2	15 20	19 48	8 29	1 44
S 20	10 26	3s 0	3 17	0 41	4 17	12 25	1 23	19 24	1 37	22 23	0 34	23 1	0 32	23 46	0 13	11 17	0 58	24 50	2 45	14 59	15 19	19 48	8 29	1 44
S 21	10 5	7 16	2 20	0 55	4 17	11 59	1 24	19 35	1 38	22 24	0 34	23 1	0 31	23 46	0 13	11 18	0 58	24 50	2 45	14 57	15 18	19 48	8 28	1 44
M22	9 44	11 6	1 18	1 12	4 15	11 32	1 24	19 46	1 38	22 25	0 34	23 1	0 31	23 46	0 13	11 19	0 58	24 50	2 45	14 56	15 17	19 48	8 27	1 44
T 23	9 22	14 22	0 13	1 34	4 11	11 5	1 24	19 56	1 38	22 25	0 34	23 1	0 31	23 46	0 13	11 19	0 58	24 49	2 45	14 56	15 16	19 48	8 26	1 44
W24	9 1	16 57	0n51	1 59	4 6	10 37	1 24	20 7	1 39	22 26	0 34	23 1	0 31	23 46	0 13	11 20	0 58	24 49	2 45	14 56	15 15	19 48	8 26	1 44
T 25	8 39	18 45	1 52	2 28	3 58	10 10	1 25	20 17	1 39	22 27	0 34	23 2	0 31	23 46	0 13	11 21	0 58	24 49	2 45	14 56	15 14	19 48	8 25	1 44
F 26	8 17	19 44	2 49	3 0	3 49	9 42	1 25	20 27	1 39	22 27	0 34	23 2	0 31	23 46	0 13	11 21	0 58	24 49	2 46	14 56	15 13	19 48	8 24	1 44
S 27	7 55	19 50	3 37	3 34	3 37	9 14	1 25	20 38	1 39	22 28	0 34	23 2	0 31	23 46	0 13	11 22	0 58	24 49	2 46	14 56	15 12	19 48	8 23	1 44
S 28	7 33	19 3	4 17	4 10	3 24	8 45	1 25	20 48	1 40	22 28	0 34	23 2	0 31	23 46	0 13	11 22	0 58	24 49	2 46	14 55	15 11	19 48	8 22	1 44
M29	7 10	17 24	4 46	4 47	3 9	8 16	1 25	20 58	1 40	22 29	0 34	23 2	0 30	23 46	0 13	11 23	0 58	24 49	2 46	14 53	15 10	19 48	8 22	1 44
T 30	6 48	14 55	5 2	5 25	2 52	7 47	1 24	21 7	1 40	22 30	0 34	23 2	0 30	23 46	0 13	11 23	0 58	24 49	2 46	14 51	15 9	19 48	8 21	1 44
W31	6n25	11s41	5n 4	6n 3	2s34	7n18	1n24	21s17	1s40	22n30	0s34	23s 2	0n30	23n46	0n13	11s24	0s58	24n49	2n46	14s48	15s 8	19s48	8n20	1n44

Julian Day Number = 2157378.5, Delta T = 13m33s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'36, Lahiri = 12°37'36 Julian Calendar 1 Aug. 1194 == Greg. Calendar 8 Aug. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

SEPTEMBER 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 27	14♍43'12	27♒32	7°R36	16♍ 3	28♏ 2	18♊54	29♐56	29♊49	2°R49	19♋47	9°R35	10♏46	14♐51	17°R 1	T 1
F 2	23 10 24	15°41'51	10♓49	6♍51	17°18	28°43	18°59	29°56	29°50	2♓47	19°49	9♏25	10°43	14°58	16♈59	F 2
S 3	23 14 20	16°40'32	24°22	6°14	18°33	29°24	19° 5	29°57	29°52	2°46	19°50	9°17	10°39	15° 5	16°57	S 3
S 4	23 18 17	17°39'16	8♈ 8	5°45	19°47	0♐ 4	19°10	29°57	29°53	2°44	19°51	9°11	10°36	15°11	16°54	S 4
M 5	23 22 13	18°38'01	22° 5	5°25	21° 2	0°45	19°15	29°58	29°54	2°42	19°52	9° 8	10°33	15°18	16°52	M 5
T 6	23 26 10	19°36'48	6♉ 9	5°D15	22°17	1°27	19°20	29°59	29°56	2°41	19°53	9°D 7	10°30	15°25	16°50	T 6
W 7	23 30 7	20°35'38	20°16	5°15	23°32	2° 8	19°25	29°59	29°57	2°39	19°53	9° 7	10°27	15°31	16°47	W 7
T 8	23 34 3	21°34'30	4♊26	5°25	24°47	2°49	19°30	0♑ 1	29°58	2°38	19°54	9° 8	10°24	15°38	16°45	T 8
F 9	23 38 0	22°33'25	18°36	5°45	26° 2	3°31	19°34	0° 2	29°59	2°36	19°55	9°R 9	10°20	15°45	16°42	F 9
S 10	23 41 56	23°32'22	2♋44	6°15	27°16	4°12	19°39	0° 3	0♋ 0	2°35	19°56	9° 9	10°17	15°51	16°40	S 10
S 11	23 45 53	24°31'21	16°49	6°54	28°31	4°54	19°43	0° 4	0° 1	2°33	19°57	9° 7	10°14	15°58	16°37	S 11
M12	23 49 49	25°30'23	0♌50	7°41	29°46	5°36	19°47	0° 6	0° 2	2°32	19°58	9° 3	10°11	16° 5	16°35	M12
T 13	23 53 46	26°29'27	14°44	8°37	1♎ 1	6°18	19°50	0° 7	0° 3	2°30	19°59	8°57	10° 8	16°11	16°32	T 13
W14	23 57 42	27°28'33	28°28	9°40	2°16	7° 0	19°54	0° 9	0° 4	2°29	19°59	8°50	10° 4	16°18	16°29	W14
T 15	0 1 39	28°27'41	12♍ 0	10°50	3°31	7°42	19°57	0°10	0° 5	2°27	20° 0	8°43	10° 1	16°25	16°27	T 15
F 16	0 5 36	29°26'52	25°17	12° 5	4°46	8°24	20° 1	0°12	0° 5	2°26	20° 1	8°37	9°58	16°32	16°24	F 16
S 17	0 9 32	0♎26'04	8♎17	13°26	6° 1	9° 7	20° 4	0°14	0° 6	2°24	20° 2	8°32	9°55	16°38	16°21	S 17
S 18	0 13 29	1°25'19	21° 0	14°51	7°16	9°49	20° 6	0°16	0° 7	2°23	20° 2	8°28	9°52	16°45	16°19	S 18
M19	0 17 25	2°24'36	3♏27	16°20	8°31	10°32	20° 9	0°18	0° 7	2°22	20° 3	8°D27	9°49	16°52	16°16	M19
T 20	0 21 22	3°23'54	15°40	17°53	9°46	11°15	20°12	0°20	0° 8	2°20	20° 4	8°27	9°45	16°58	16°13	T 20
W21	0 25 18	4°23'15	27°41	19°28	11° 1	11°57	20°14	0°23	0° 8	2°19	20° 4	8°28	9°42	17° 5	16°10	W21
T 22	0 29 15	5°22'37	9♐33	21° 5	12°16	12°40	20°16	0°25	0° 9	2°18	20° 5	8°30	9°39	17°12	16° 8	T 22
F 23	0 33 11	6°22'02	21°23	22°44	13°31	13°23	20°18	0°27	0° 9	2°16	20° 5	8°32	9°36	17°18	16° 5	F 23
S 24	0 37 8	7°21'28	3♑14	24°25	14°46	14° 6	20°19	0°30	0° 9	2°15	20° 6	8°R33	9°33	17°25	16° 2	S 24
S 25	0 41 5	8°20'56	15°11	26° 7	16° 1	14°50	20°21	0°33	0°10	2°14	20° 7	8°33	9°30	17°32	15°59	S 25
M26	0 45 1	9°20'26	27°20	27°49	17°16	15°33	20°22	0°35	0°10	2°12	20° 7	8°31	9°26	17°38	15°56	M26
T 27	0 48 58	10°19'57	9♒44	29°32	18°31	16°16	20°23	0°38	0°10	2°11	20° 8	8°28	9°23	17°45	15°54	T 27
W28	0 52 54	11°19'31	22°28	1♎15	19°46	17° 0	20°24	0°41	0°10	2°10	20° 8	8°25	9°20	17°52	15°51	W28
T 29	0 56 51	12°19'06	5♓34	2°58	21° 1	17°43	20°25	0°44	0°R10	2° 9	20° 8	8°21	9°17	17°58	15°48	T 29
F 30	1 0 47	13♎18'43	19♓ 2	4♎42	22♎16	18♐27	20♊25	0♑47	0♋10	2♓ 8	20♋ 9	8♏17	9♏14	18♐ 5	15♈45	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 3	7s50	4n51	6n39	2s16	6n49	1n24	21s26	1s41	22n31	0s34	23s 2	0n30	23n46	0n13	11s25	0s58	24n49	2n46	14s45	15s 7	19s48	8n19	1n44
F 2	5 40	3 31	4 21	7 14	1 56	6 19	1 24	21 36	1 41	22 31	0 34	23 3	0 30	23 46	0 13	11 25	0 58	24 49	2 46	14 42	15 6	19 48	8 18	1 44
S 3	5 17	1n 4	3 37	7 47	1 36	5 50	1 23	21 45	1 41	22 32	0 34	23 3	0 30	23 46	0 13	11 26	0 58	24 49	2 47	14 39	15 5	19 48	8 17	1 44
S 4	4 54	5 40	2 39	8 16	1 16	5 20	1 23	21 54	1 41	22 32	0 34	23 3	0 30	23 46	0 13	11 26	0 58	24 49	2 47	14 37	15 4	19 48	8 16	1 44
M 5	4 31	10 2	1 30	8 41	0 57	4 50	1 22	22 3	1 41	22 32	0 34	23 3	0 30	23 46	0 13	11 27	0 58	24 49	2 47	14 36	15 3	19 48	8 15	1 44
T 6	4 8	13 53	0 16	9 3	0 37	4 19	1 22	22 12	1 41	22 33	0 34	23 3	0 29	23 46	0 13	11 28	0 58	24 49	2 47	14 36	15 2	19 48	8 14	1 44
W 7	3 45	16 56	1s 0	9 20	0 19	3 49	1 21	22 20	1 42	22 33	0 34	23 3	0 29	23 46	0 13	11 28	0 58	24 49	2 47	14 36	15 1	19 48	8 13	1 44
T 8	3 21	18 57	2 12	9 33	0 1	3 19	1 20	22 28	1 42	22 34	0 34	23 3	0 29	23 46	0 13	11 29	0 58	24 49	2 47	14 36	15 0	19 48	8 12	1 44
F 9	2 58	19 47	3 17	9 41	0n15	2 48	1 19	22 37	1 42	22 34	0 34	23 4	0 29	23 46	0 14	11 29	0 58	24 49	2 47	14 36	14 59	19 48	8 11	1 44
S 10	2 35	19 22	4 9	9 44	0 31	2 17	1 19	22 45	1 42	22 34	0 34	23 4	0 29	23 46	0 14	11 30	0 58	24 49	2 47	14 36	14 58	19 48	8 10	1 44
S 11	2 11	17 44	4 46	9 43	0 45	1 47	1 18	22 53	1 42	22 35	0 34	23 4	0 29	23 46	0 14	11 30	0 58	24 49	2 48	14 36	14 57	19 48	8 9	1 44
M12	1 48	15 4	5 6	9 37	0 58	1 16	1 17	23 0	1 42	22 35	0 34	23 4	0 29	23 46	0 14	11 31	0 58	24 49	2 48	14 34	14 56	19 48	8 8	1 44
T 13	1 24	11 35	5 8	9 26	1 9	0 45	1 16	23 8	1 42	22 35	0 34	23 4	0 28	23 46	0 14	11 31	0 58	24 49	2 48	14 32	14 55	19 48	8 7	1 44
W14	1 0	7 30	4 51	9 12	1 19	0 14	1 14	23 15	1 42	22 35	0 34	23 4	0 28	23 46	0 14	11 32	0 58	24 49	2 48	14 30	14 54	19 48	8 6	1 44
T 15	0 37	3 6	4 19	8 54	1 28	0s17	1 13	23 22	1 42	22 36	0 34	23 4	0 28	23 46	0 14	11 32	0 58	24 49	2 48	14 28	14 53	19 48	8 5	1 44
F 16	0 13	1s22	3 33	8 32	1 36	0 48	1 12	23 29	1 42	22 36	0 34	23 4	0 28	23 46	0 14	11 33	0 58	24 49	2 48	14 26	14 52	19 48	8 4	1 44
S 17	0s10	5 42	2 37	8 6	1 42	1 19	1 11	23 36	1 42	22 36	0 34	23 5	0 28	23 46	0 14	11 33	0 58	24 49	2 48	14 24	14 51	19 48	8 3	1 44
S 18	0 34	9 41	1 34	7 38	1 47	1 50	1 10	23 42	1 42	22 36	0 34	23 5	0 28	23 46	0 14	11 34	0 58	24 49	2 49	14 23	14 50	19 48	8 2	1 44
M19	0 58	13 9	0 27	7 7	1 51	2 21	1 8	23 49	1 42	22 37	0 34	23 5	0 28	23 46	0 14	11 34	0 58	24 49	2 49	14 23	14 49	19 48	8 1	1 43
T 20	1 21	15 58	0n39	6 33	1 54	2 52	1 7	23 55	1 42	22 37	0 34	23 5	0 28	23 46	0 14	11 35	0 58	24 49	2 49	14 23	14 48	19 48	8 0	1 43
W21	1 45	18 3	1 43	5 58	1 56	3 22	1 5	24 1	1 42	22 37	0 34	23 5	0 27	23 46	0 14	11 35	0 58	24 49	2 49	14 23	14 47	19 48	7 59	1 43
T 22	2 9	19 18	2 42	5 20	1 57	3 53	1 4	24 6	1 42	22 37	0 34	23 5	0 27	23 46	0 14	11 36	0 58	24 49	2 49	14 24	14 46	19 48	7 58	1 43
F 23	2 32	19 42	3 34	4 41	1 57	4 24	1 2	24 12	1 42	22 37	0 34	23 5	0 27	23 46	0 14	11 36	0 58	24 49	2 49	14 24	14 45	19 48	7 56	1 43
S 24	2 56	19 14	4 16	4 1	1 57	4 55	1 1	24 17	1 42	22 37	0 34	23 5	0 27	23 46	0 14	11 37	0 58	24 49	2 49	14 25	14 44	19 48	7 55	1 43
S 25	3 19	17 54	4 48	3 19	1 55	5 25	0 59	24 22	1 42	22 38	0 34	23 5	0 27	23 46	0 14	11 37	0 58	24 49	2 50	14 25	14 43	19 48	7 54	1 43
M26	3 43	15 45	5 8	2 36	1 54	5 56	0 57	24 27	1 42	22 38	0 34	23 6	0 27	23 46	0 14	11 38	0 58	24 49	2 50	14 24	14 42	19 47	7 53	1 43
T 27	4 6	12 51	5 14	1 53	1 51	6 26	0 55	24 31	1 42	22 38	0 34	23 6	0 27	23 46	0 14	11 38	0 58	24 49	2 50	14 23	14 41	19 47	7 52	1 43
W28	4 30	9 17	5 4	1 9	1 48	6 56	0 54	24 36	1 42	22 38	0 34	23 6	0 27	23 46	0 14	11 39	0 58	24 50	2 50	14 22	14 40	19 47	7 51	1 43
T 29	4 53	5 11	4 39	0 25	1 45	7 26	0 52	24 40	1 42	22 38	0 34	23 6	0 27	23 46	0 14	11 39	0 58	24 50	2 50	14 21	14 39	19 47	7 50	1 43
F 30	5s17	0s42	3n58	0s20	1n41	7s56	0n50	24s43	1s42	22n38	0s34	23s 6	0n26	23n46	0n14	11s39	0s58	24n50	2n50	14s20	14s38	19s47	7n48	1n43

Julian Day Number = 2157409.5, Delta T = 13m33s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'40, Lahiri = 12°37'40 Julian Calendar 1 Sept. 1194 == Greg. Calendar 8 Sept. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

OCTOBER 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 4 44	14♎18'22	2♈52	6♎25	23♎30	19♐11	20♊26	0♑50	0°R10	2°R 7	20♋ 9	8°R13	9♏10	18♐12	15°R42	S 1
S 2	1 8 40	15°18'03	17° 1	8° 8	24°45	19°55	20°R26	0°53	0♋10	2♓ 5	20° 9	8♏11	9° 7	18°18	15♈40	S 2
M 3	1 12 37	16°17'46	1♉23	9°51	26° 0	20°38	20°26	0°57	0°10	2° 4	20°10	8°D10	9° 4	18°25	15°37	M 3
T 4	1 16 33	17°17'31	15°55	11°33	27°15	21°22	20°25	1° 0	0°10	2° 3	20°10	8°10	9° 1	18°32	15°34	T 4
W 5	1 20 30	18°17'18	0♊29	13°15	28°30	22° 6	20°25	1° 4	0° 9	2° 2	20°10	8°11	8°58	18°38	15°31	W 5
T 6	1 24 27	19°17'08	15° 1	14°57	29°46	22°51	20°24	1° 7	0° 9	2° 1	20°11	8°12	8°55	18°45	15°28	T 6
F 7	1 28 23	20°17'00	29°25	16°38	1♏ 1	23°35	20°23	1°11	0° 9	2° 0	20°11	8°13	8°51	18°52	15°25	F 7
S 8	1 32 20	21°16'54	13♋40	18°19	2°16	24°19	20°22	1°15	0° 8	1°59	20°11	8°14	8°48	18°58	15°23	S 8
S 9	1 36 16	22°16'50	27°42	19°59	3°31	25° 3	20°21	1°18	0° 8	1°58	20°11	8°R14	8°45	19° 5	15°20	S 9
M10	1 40 13	23°16'49	11♌30	21°38	4°46	25°48	20°19	1°22	0° 7	1°58	20°11	8°13	8°42	19°12	15°17	M10
T 11	1 44 9	24°16'50	25° 5	23°18	6° 1	26°32	20°17	1°26	0° 7	1°57	20°11	8°12	8°39	19°18	15°14	T 11
W12	1 48 6	25°16'53	8♍25	24°56	7°16	27°17	20°16	1°30	0° 6	1°56	20°12	8°10	8°35	19°25	15°11	W12
T 13	1 52 2	26°16'58	21°31	26°34	8°31	28° 2	20°13	1°35	0° 5	1°55	20°12	8° 9	8°32	19°32	15° 9	T 13
F 14	1 55 59	27°17'05	4♎24	28°12	9°46	28°46	20°11	1°39	0° 4	1°54	20°12	8° 7	8°29	19°38	15° 6	F 14
S 15	1 59 56	28°17'14	17° 4	29°49	11° 1	29°31	20° 9	1°43	0° 4	1°54	20°R12	8° 6	8°26	19°45	15° 3	S 15
S 16	2 3 52	29°17'25	29°30	1♏26	12°16	0♑16	20° 6	1°48	0° 3	1°53	20°12	8° 5	8°23	19°52	15° 0	S 16
M17	2 7 49	0♏17'38	11♏46	3° 3	13°31	1° 1	20° 3	1°52	0° 2	1°52	20°12	8°D 5	8°20	19°58	14°58	M17
T 18	2 11 45	1°17'53	23°51	4°39	14°46	1°46	20° 0	1°57	0° 1	1°51	20°12	8° 6	8°16	20° 5	14°55	T 18
W19	2 15 42	2°18'09	5♐47	6°14	16° 1	2°31	19°57	2° 1	29♊59	1°51	20°11	8° 6	8°13	20°12	14°52	W19
T 20	2 19 38	3°18'28	17°39	7°49	17°16	3°16	19°53	2° 6	29°59	1°50	20°11	8° 7	8°10	20°18	14°50	T 20
F 21	2 23 35	4°18'47	29°27	9°24	18°31	4° 1	19°49	2°11	29°58	1°50	20°11	8° 7	8° 7	20°25	14°47	F 21
S 22	2 27 31	5°19'09	11♑18	10°59	19°46	4°46	19°46	2°15	29°57	1°49	20°11	8° 8	8° 4	20°32	14°44	S 22
S 23	2 31 28	6°19'32	23°13	12°33	21° 1	5°32	19°41	2°20	29°55	1°49	20°11	8° 8	8° 1	20°39	14°42	S 23
M24	2 35 25	7°19'56	5♒19	14° 7	22°16	6°17	19°37	2°25	29°54	1°48	20°11	8° 8	7°57	20°45	14°39	M24
T 25	2 39 21	8°20'21	17°40	15°40	23°31	7° 2	19°33	2°30	29°53	1°48	20°10	8° 8	7°54	20°52	14°37	T 25
W26	2 43 18	9°20'48	0♓20	17°13	24°46	7°48	19°28	2°35	29°52	1°47	20°10	8° 8	7°51	20°59	14°34	W26
T 27	2 47 14	10°21'17	13°22	18°46	26° 1	8°33	19°23	2°41	29°50	1°47	20°10	8° 8	7°48	21° 5	14°32	T 27
F 28	2 51 11	11°21'47	26°50	20°19	27°16	9°19	19°19	2°46	29°49	1°47	20° 9	8° 8	7°45	21°12	14°29	F 28
S 29	2 55 7	12°22'18	10♈44	21°51	28°31	10° 4	19°13	2°51	29°47	1°46	20° 9	8° 9	7°41	21°19	14°27	S 29
S 30	2 59 4	13°22'50	25° 3	23°24	29°46	10°50	19° 8	2°57	29°46	1°46	20° 9	8° 9	7°38	21°25	14°24	S 30
M31	3 3 0	14♏23'24	9♉43	24♏55	1♐ 1	11♑36	19♊ 3	3♑ 2	29♊44	1♓46	20♋ 8	8°R 9	7♏35	21♐32	14♈22	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s40	3n56	3n 2	1s 5	1n36	8s26	0n48	24s47	1s41	22n38	0s34	23s 6	0n26	23n46	0n14	11s40	0s58	24n50	2n50	14s18	14s37	19s47	7n47	1n43
S 2	6 3	8 28	1 54	1 50	1 32	8 55	0 46	24 50	1 41	22 38	0 34	23 6	0 26	23 47	0 14	11 40	0 57	24 50	2 51	14 18	14 36	19 47	7 46	1 43
M 3	6 26	12 35	0 37	2 35	1 27	9 24	0 44	24 54	1 41	22 38	0 34	23 6	0 26	23 47	0 14	11 41	0 57	24 50	2 51	14 17	14 35	19 47	7 45	1 43
T 4	6 49	15 59	0s43	3 20	1 21	9 54	0 42	24 56	1 41	22 38	0 34	23 6	0 26	23 47	0 14	11 41	0 57	24 50	2 51	14 17	14 34	19 47	7 44	1 43
W 5	7 12	18 23	2 0	4 5	1 16	10 22	0 40	24 59	1 41	22 38	0 34	23 6	0 26	23 47	0 14	11 41	0 57	24 50	2 51	14 18	14 33	19 47	7 43	1 42
T 6	7 35	19 33	3 10	4 50	1 10	10 51	0 37	25 1	1 41	22 38	0 34	23 7	0 26	23 47	0 14	11 42	0 57	24 50	2 51	14 18	14 32	19 46	7 41	1 42
F 7	7 58	19 26	4 7	5 35	1 4	11 19	0 35	25 4	1 41	22 38	0 34	23 7	0 26	23 47	0 14	11 42	0 57	24 50	2 51	14 18	14 31	19 46	7 40	1 42
S 8	8 20	18 4	4 48	6 19	0 58	11 48	0 33	25 5	1 40	22 38	0 34	23 7	0 25	23 47	0 14	11 42	0 57	24 50	2 51	14 19	14 30	19 46	7 39	1 42
S 9	8 43	15 38	5 11	7 3	0 52	12 15	0 31	25 7	1 40	22 38	0 34	23 7	0 25	23 47	0 14	11 43	0 57	24 51	2 52	14 19	14 29	19 46	7 38	1 42
M10	9 5	12 21	5 16	7 46	0 46	12 43	0 29	25 8	1 40	22 38	0 34	23 7	0 25	23 47	0 14	11 43	0 57	24 51	2 52	14 18	14 28	19 46	7 37	1 42
T 11	9 27	8 28	5 3	8 29	0 39	13 10	0 26	25 9	1 40	22 38	0 33	23 7	0 25	23 47	0 14	11 43	0 57	24 51	2 52	14 18	14 27	19 46	7 35	1 42
W12	9 49	4 13	4 34	9 11	0 33	13 37	0 24	25 10	1 40	22 38	0 33	23 7	0 25	23 47	0 14	11 43	0 57	24 51	2 52	14 17	14 26	19 46	7 34	1 42
T 13	10 11	0s 9	3 50	9 53	0 26	14 4	0 22	25 11	1 39	22 37	0 33	23 7	0 25	23 47	0 14	11 44	0 57	24 51	2 52	14 17	14 25	19 45	7 33	1 42
F 14	10 33	4 27	2 56	10 35	0 19	14 30	0 19	25 11	1 39	22 37	0 33	23 7	0 25	23 47	0 14	11 44	0 57	24 51	2 52	14 16	14 24	19 45	7 32	1 42
S 15	10 55	8 29	1 54	11 16	0 13	14 56	0 17	25 11	1 39	22 37	0 33	23 7	0 25	23 47	0 14	11 44	0 57	24 51	2 52	14 16	14 23	19 45	7 31	1 42
S 16	11 16	12 5	0 47	11 56	0 6	15 21	0 14	25 11	1 38	22 37	0 33	23 7	0 25	23 47	0 14	11 44	0 57	24 52	2 53	14 16	14 22	19 45	7 30	1 42
M17	11 37	15 6	0n20	12 35	0s 1	15 46	0 12	25 10	1 38	22 37	0 33	23 7	0 24	23 47	0 14	11 45	0 57	24 52	2 53	14 16	14 20	19 45	7 29	1 41
T 18	11 59	17 25	1 26	13 14	0 7	16 11	0 10	25 10	1 38	22 37	0 33	23 7	0 24	23 47	0 14	11 45	0 57	24 52	2 53	14 16	14 19	19 45	7 27	1 41
W19	12 19	18 56	2 28	13 53	0 14	16 35	0 7	25 9	1 38	22 36	0 33	23 7	0 24	23 47	0 14	11 45	0 57	24 52	2 53	14 16	14 18	19 44	7 26	1 41
T 20	12 40	19 36	3 23	14 30	0 21	16 59	0 5	25 7	1 37	22 36	0 33	23 7	0 24	23 47	0 14	11 45	0 57	24 52	2 53	14 16	14 17	19 44	7 25	1 41
F 21	13 1	19 24	4 8	15 7	0 27	17 23	0 2	25 6	1 37	22 36	0 33	23 7	0 24	23 47	0 14	11 46	0 57	24 52	2 53	14 16	14 16	19 44	7 24	1 41
S 22	13 21	18 21	4 44	15 43	0 34	17 45	0s 0	25 4	1 37	22 36	0 33	23 7	0 24	23 47	0 14	11 46	0 57	24 52	2 53	14 17	14 15	19 44	7 23	1 41
S 23	13 41	16 29	5 7	16 18	0 40	18 8	0 3	25 2	1 36	22 35	0 33	23 7	0 24	23 47	0 14	11 46	0 57	24 53	2 54	14 17	14 14	19 44	7 22	1 41
M24	14 1	13 53	5 17	16 53	0 46	18 30	0 5	24 59	1 36	22 35	0 33	23 7	0 24	23 47	0 14	11 46	0 57	24 53	2 54	14 17	14 13	19 44	7 21	1 41
T 25	14 21	10 38	5 13	17 27	0 53	18 51	0 8	24 57	1 36	22 35	0 33	23 7	0 24	23 47	0 14	11 46	0 57	24 53	2 54	14 17	14 12	19 43	7 20	1 41
W26	14 40	6 49	4 54	17 59	0 59	19 12	0 10	24 54	1 35	22 35	0 33	23 7	0 23	23 47	0 15	11 46	0 57	24 53	2 54	14 17	14 11	19 43	7 18	1 40
T 27	14 59	2 34	4 20	18 31	1 5	19 33	0 13	24 51	1 35	22 34	0 33	23 7	0 23	23 47	0 15	11 46	0 57	24 53	2 54	14 17	14 10	19 43	7 17	1 40
F 28	15 18	1n57	3 30	19 2	1 11	19 53	0 15	24 47	1 35	22 34	0 33	23 7	0 23	23 47	0 15	11 46	0 57	24 54	2 54	14 17	14 9	19 43	7 16	1 40
S 29	15 37	6 31	2 27	19 33	1 17	20 12	0 18	24 43	1 34	22 34	0 33	23 7	0 23	23 47	0 15	11 47	0 57	24 54	2 54	14 17	14 8	19 43	7 15	1 40
S 30	15 55	10 51	1 12	20 2	1 22	20 31	0 20	24 39	1 34	22 33	0 33	23 7	0 23	23 47	0 15	11 47	0 57	24 54	2 55	14 17	14 7	19 42	7 14	1 40
M31	16s13	14n39	0s 9	20s30	1s28	20s49	0s23	24s35	1s33	22n33	0s32	23s 7	0n23	23n47	0n15	11s47	0s57	24n54	2n55	14s17	14s 6	19s42	7n13	1n40

Julian Day Number = 2157439.5, Delta T = 13m33s
Ecliptic obliquity = 23°32'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'44, Lahiri = 12°37'44 Julian Calendar 1 Oct. 1194 == Greg. Calendar 8 Oct. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

NOVEMBER 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 6 57	15♏24'00	24♉38	26♏27	2♐16	12♑21	18°R57	3♑ 7	29°R43	1°R46	20°R 8	8°R 9	7♏32	21♐39	14°R20	T 1
W 2	3 10 54	16°24'37	9♊38	27°59	3°31	13° 7	18♊51	3°13	29♊41	1♓45	20♋ 7	8♏ 8	7°29	21°45	14♈17	W 2
T 3	3 14 50	17°25'16	24°37	29°30	4°46	13°53	18°46	3°19	29°39	1°45	20° 7	8° 7	7°26	21°52	14°15	T 3
F 4	3 18 47	18°25'56	9♋25	1♐ 1	6° 1	14°39	18°39	3°24	29°38	1°45	20° 6	8° 6	7°22	21°59	14°13	F 4
S 5	3 22 43	19°26'38	23°57	2°31	7°16	15°25	18°33	3°30	29°36	1°45	20° 6	8° 5	7°19	22° 5	14°11	S 5
S 6	3 26 40	20°27'22	8♌ 9	4° 2	8°31	16°10	18°27	3°36	29°34	1°D45	20° 5	8° 4	7°16	22°12	14° 8	S 6
M 7	3 30 36	21°28'08	21°58	5°32	9°46	16°56	18°20	3°42	29°32	1°45	20° 5	8°D 4	7°13	22°19	14° 6	M 7
T 8	3 34 33	22°28'54	5♍25	7° 2	11° 1	17°42	18°14	3°47	29°30	1°45	20° 4	8° 4	7°10	22°25	14° 4	T 8
W 9	3 38 29	23°29'43	18°32	8°31	12°16	18°28	18° 7	3°53	29°28	1°45	20° 4	8° 5	7° 7	22°32	14° 2	W 9
T 10	3 42 26	24°30'33	1♎20	10° 0	13°31	19°14	18° 0	3°59	29°26	1°45	20° 3	8° 7	7° 3	22°39	14° 0	T 10
F 11	3 46 23	25°31'25	13°54	11°29	14°46	20° 1	17°53	4° 5	29°24	1°46	20° 2	8° 8	7° 0	22°46	13°58	F 11
S 12	3 50 19	26°32'17	26°15	12°57	16° 1	20°47	17°46	4°11	29°22	1°46	20° 2	8° 9	6°57	22°52	13°56	S 12
S 13	3 54 16	27°33'12	8♏26	14°24	17°16	21°33	17°39	4°18	29°20	1°46	20° 1	8°R10	6°54	22°59	13°54	S 13
M14	3 58 12	28°34'07	20°28	15°51	18°31	22°19	17°32	4°24	29°18	1°46	20° 0	8° 9	6°51	23° 6	13°53	M14
T 15	4 2 9	29°35'04	2♐25	17°17	19°46	23° 5	17°24	4°30	29°16	1°46	19°59	8° 7	6°47	23°12	13°51	T 15
W16	4 6 5	0♐36'02	14°18	18°42	21° 1	23°51	17°17	4°36	29°14	1°47	19°59	8° 4	6°44	23°19	13°49	W16
T 17	4 10 2	1°37'01	26° 7	20° 6	22°15	24°38	17° 9	4°43	29°12	1°47	19°58	8° 1	6°41	23°26	13°47	T 17
F 18	4 13 58	2°38'00	7♑57	21°29	23°30	25°24	17° 2	4°49	29°10	1°47	19°57	7°56	6°38	23°32	13°46	F 18
S 19	4 17 55	3°39'01	19°48	22°50	24°45	26°10	16°54	4°55	29° 7	1°48	19°56	7°52	6°35	23°39	13°44	S 19
S 20	4 21 52	4°40'02	1♒45	24°10	26° 0	26°57	16°46	5° 2	29° 5	1°48	19°55	7°47	6°32	23°46	13°42	S 20
M21	4 25 48	5°41'04	13°50	25°28	27°15	27°43	16°38	5° 8	29° 3	1°49	19°54	7°44	6°28	23°52	13°41	M21
T 22	4 29 45	6°42'06	26° 7	26°43	28°30	28°29	16°30	5°15	29° 0	1°49	19°54	7°42	6°25	23°59	13°40	T 22
W23	4 33 41	7°43'09	8♓40	27°56	29°45	29°16	16°22	5°21	28°58	1°50	19°53	7°D42	6°22	24° 6	13°38	W23
T 24	4 37 38	8°44'13	21°34	29° 6	1♑ 0	0♒ 2	16°14	5°28	28°56	1°51	19°52	7°42	6°19	24°12	13°37	T 24
F 25	4 41 34	9°45'17	4♈53	0♑12	2°15	0°49	16° 6	5°34	28°53	1°51	19°51	7°44	6°16	24°19	13°35	F 25
S 26	4 45 31	10°46'21	18°38	1°14	3°29	1°35	15°58	5°41	28°51	1°52	19°50	7°45	6°12	24°26	13°34	S 26
S 27	4 49 27	11°47'26	2♉52	2°11	4°44	2°22	15°50	5°48	28°48	1°53	19°49	7°R46	6° 9	24°33	13°33	S 27
M28	4 53 24	12°48'32	17°32	3° 3	5°59	3° 8	15°42	5°54	28°46	1°53	19°48	7°46	6° 6	24°39	13°32	M28
T 29	4 57 21	13°49'38	2♊33	3°49	7°14	3°55	15°34	6° 1	28°44	1°54	19°47	7°44	6° 3	24°46	13°31	T 29
W30	5 1 17	14♐50'44	17♊48	4♑28	8♑29	4♒41	15♊25	6♑ 8	28♊41	1♓55	19♋46	7♏40	6♏ 0	24♐53	13♈30	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s31	17n33	1s30	20s57	1s33	21s 7	0s25	24s31	1s33	22n32	0s32	23s 7	0n23	23n47	0n15	11s47	0s57	24n54	2n55	14s17	14s 5	19s42	7n12	1n40
W 2	16 49	19 15	2 46	21 24	1 39	21 24	0 28	24 26	1 33	22 32	0 32	23 7	0 23	23 47	0 15	11 47	0 57	24 55	2 55	14 17	14 4	19 42	7 11	1 40
T 3	17 6	19 36	3 50	21 49	1 43	21 41	0 30	24 21	1 32	22 32	0 32	23 7	0 23	23 47	0 15	11 47	0 57	24 55	2 55	14 16	14 3	19 41	7 10	1 39
F 4	17 23	18 35	4 38	22 13	1 48	21 56	0 33	24 15	1 32	22 31	0 32	23 7	0 23	23 47	0 15	11 47	0 57	24 55	2 55	14 16	14 2	19 41	7 9	1 39
S 5	17 40	16 22	5 8	22 36	1 53	22 12	0 35	24 10	1 31	22 31	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 55	2 55	14 16	14 1	19 41	7 8	1 39
S 6	17 56	13 12	5 17	22 58	1 57	22 26	0 38	24 4	1 31	22 30	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 55	2 55	14 15	14 0	19 41	7 7	1 39
M 7	18 12	9 23	5 8	23 18	2 1	22 40	0 40	23 58	1 30	22 30	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 56	2 56	14 15	13 59	19 40	7 6	1 39
T 8	18 28	5 12	4 42	23 38	2 5	22 53	0 42	23 51	1 30	22 29	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 56	2 56	14 15	13 58	19 40	7 5	1 39
W 9	18 44	0 51	4 2	23 56	2 8	23 6	0 45	23 44	1 30	22 29	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 56	2 56	14 16	13 57	19 40	7 4	1 39
T 10	18 59	3s26	3 10	24 13	2 11	23 18	0 47	23 37	1 29	22 28	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 56	2 56	14 16	13 56	19 40	7 4	1 39
F 11	19 13	7 30	2 10	24 28	2 14	23 29	0 49	23 30	1 29	22 28	0 32	23 7	0 22	23 47	0 15	11 47	0 57	24 57	2 56	14 17	13 55	19 39	7 3	1 38
S 12	19 28	11 11	1 5	24 42	2 17	23 40	0 52	23 23	1 28	22 27	0 31	23 7	0 22	23 47	0 15	11 47	0 57	24 57	2 56	14 17	13 54	19 39	7 2	1 38
S 13	19 42	14 21	0n 1	24 55	2 19	23 49	0 54	23 15	1 28	22 27	0 31	23 7	0 22	23 47	0 15	11 46	0 57	24 57	2 56	14 17	13 52	19 39	7 1	1 38
M14	19 56	16 52	1 8	25 7	2 20	23 58	0 56	23 7	1 27	22 26	0 31	23 6	0 22	23 47	0 15	11 46	0 57	24 57	2 57	14 17	13 51	19 39	7 0	1 38
T 15	20 9	18 37	2 10	25 17	2 21	24 7	0 58	22 59	1 27	22 25	0 31	23 6	0 22	23 47	0 15	11 46	0 57	24 57	2 57	14 16	13 50	19 38	6 59	1 38
W16	20 22	19 32	3 6	25 25	2 22	24 14	1 0	22 50	1 26	22 25	0 31	23 6	0 21	23 47	0 15	11 46	0 57	24 58	2 57	14 16	13 49	19 38	6 58	1 38
T 17	20 34	19 35	3 54	25 32	2 22	24 21	1 3	22 42	1 26	22 24	0 31	23 6	0 21	23 47	0 15	11 46	0 57	24 58	2 57	14 14	13 48	19 38	6 58	1 38
F 18	20 47	18 47	4 32	25 38	2 22	24 27	1 5	22 33	1 25	22 24	0 31	23 6	0 21	23 47	0 15	11 46	0 57	24 58	2 57	14 13	13 47	19 38	6 57	1 37
S 19	20 58	17 9	4 58	25 42	2 21	24 33	1 7	22 23	1 25	22 23	0 31	23 6	0 21	23 47	0 15	11 46	0 57	24 58	2 57	14 11	13 46	19 37	6 56	1 37
S 20	21 10	14 47	5 12	25 44	2 19	24 38	1 9	22 14	1 24	22 22	0 31	23 6	0 21	23 47	0 15	11 45	0 57	24 59	2 57	14 10	13 45	19 37	6 55	1 37
M21	21 21	11 46	5 12	25 45	2 17	24 41	1 11	22 4	1 23	22 22	0 30	23 6	0 21	23 47	0 15	11 45	0 56	24 59	2 57	14 9	13 44	19 37	6 55	1 37
T 22	21 31	8 12	4 58	25 44	2 14	24 45	1 13	21 54	1 23	22 21	0 30	23 5	0 21	23 47	0 15	11 45	0 56	24 59	2 58	14 8	13 43	19 36	6 54	1 37
W23	21 41	4 12	4 29	25 42	2 10	24 47	1 14	21 44	1 22	22 20	0 30	23 5	0 21	23 47	0 15	11 45	0 56	24 59	2 58	14 8	13 42	19 36	6 53	1 37
T 24	21 51	0n 7	3 46	25 38	2 6	24 49	1 16	21 34	1 22	22 20	0 30	23 5	0 21	23 47	0 15	11 45	0 56	25 0	2 58	14 8	13 41	19 36	6 53	1 37
F 25	22 0	4 33	2 50	25 32	2 0	24 49	1 18	21 23	1 21	22 19	0 30	23 5	0 21	23 47	0 15	11 44	0 56	25 0	2 58	14 9	13 40	19 35	6 52	1 36
S 26	22 9	8 55	1 43	25 26	1 53	24 50	1 20	21 12	1 21	22 18	0 30	23 5	0 21	23 47	0 15	11 44	0 56	25 0	2 58	14 9	13 39	19 35	6 51	1 36
S 27	22 18	12 56	0 27	25 17	1 46	24 49	1 22	21 1	1 20	22 18	0 30	23 4	0 20	23 47	0 15	11 44	0 56	25 1	2 58	14 10	13 38	19 35	6 51	1 36
M28	22 26	16 17	0s53	25 7	1 37	24 47	1 23	20 50	1 19	22 17	0 30	23 4	0 20	23 47	0 15	11 43	0 56	25 1	2 58	14 10	13 37	19 34	6 50	1 36
T 29	22 33	18 37	2 11	24 56	1 27	24 45	1 25	20 38	1 19	22 16	0 29	23 4	0 20	23 47	0 15	11 43	0 56	25 1	2 58	14 9	13 36	19 34	6 50	1 36
W30	22s41	19n39	3s21	24s44	1s16	24s42	1s26	20s26	1s18	22n15	0s29	23s 4	0n20	23n47	0n15	11s43	0s56	25n 1	2n59	14s 8	13s35	19s34	6n49	1n36

Julian Day Number = 2157470.5, Delta T = 13m33s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'48, Lahiri = 12°37'49 Julian Calendar 1 Nov. 1194 == Greg. Calendar 8 Nov. 1194

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ASTRODIENST EPHEMERIS for the year 1194
geocentric

DECEMBER 1194 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 5 14	15♐51'51	3♋ 6	4♑58	9♑43	5♒28	15°R17	6♑15	28°R39	1♓56	19°R45	7°R35	5♏57	24♐59	13°R29	T 1
F 2	5 9 10	16°52'59	18°16	5°20	10°58	6°14	15♊ 9	6°22	28♊36	1°56	19♋44	7♏29	5°53	25° 6	13♈28	F 2
S 3	5 13 7	17°54'07	3♌ 8	5°33	12°13	7° 1	15° 1	6°28	28°34	1°57	19°42	7°23	5°50	25°13	13°27	S 3
S 4	5 17 3	18°55'16	17°37	5°R34	13°27	7°47	14°53	6°35	28°31	1°58	19°41	7°18	5°47	25°19	13°26	S 4
M 5	5 21 0	19°56'26	1♍37	5°25	14°42	8°34	14°45	6°42	28°29	1°59	19°40	7°14	5°44	25°26	13°25	M 5
T 6	5 24 56	20°57'36	15° 9	5° 4	15°57	9°20	14°37	6°49	28°26	2° 0	19°39	7°D13	5°41	25°33	13°25	T 6
W 7	5 28 53	21°58'46	28°14	4°31	17°12	10° 7	14°29	6°56	28°23	2° 1	19°38	7°13	5°38	25°39	13°24	W 7
T 8	5 32 50	22°59'58	10♎57	3°46	18°26	10°53	14°21	7° 3	28°21	2° 2	19°37	7°14	5°34	25°46	13°24	T 8
F 9	5 36 46	24° 1'09	23°21	2°51	19°41	11°40	14°13	7°10	28°18	2° 3	19°36	7°15	5°31	25°53	13°23	F 9
S 10	5 40 43	25° 2'22	5♏31	1°46	20°55	12°26	14° 5	7°17	28°16	2° 5	19°34	7°R16	5°28	26° 0	13°23	S 10
S 11	5 44 39	26° 3'34	17°31	0°34	22°10	13°13	13°57	7°24	28°13	2° 6	19°33	7°15	5°25	26° 6	13°22	S 11
M12	5 48 36	27° 4'47	29°24	29♐16	23°25	13°59	13°49	7°31	28°10	2° 7	19°32	7°13	5°22	26°13	13°22	M12
T 13	5 52 32	28° 6'01	11♐15	27°55	24°39	14°46	13°41	7°38	28° 8	2° 8	19°31	7° 7	5°18	26°20	13°21	T 13
W14	5 56 29	29° 7'14	23° 4	26°33	25°54	15°32	13°34	7°45	28° 5	2° 9	19°30	7° 0	5°15	26°26	13°21	W14
T 15	6 0 26	0♑ 8'27	4♑55	25°14	27° 8	16°19	13°26	7°52	28° 3	2°11	19°28	6°50	5°12	26°33	13°21	T 15
F 16	6 4 22	1° 9'41	16°48	24° 0	28°23	17° 6	13°19	7°59	28° 0	2°12	19°27	6°39	5° 9	26°40	13°21	F 16
S 17	6 8 19	2°10'54	28°44	22°52	29°37	17°52	13°11	8° 6	27°58	2°13	19°26	6°27	5° 6	26°46	13°21	S 17
S 18	6 12 15	3°12'07	10♒47	21°53	0♒52	18°39	13° 4	8°13	27°55	2°15	19°25	6°17	5° 3	26°53	13°D21	S 18
M19	6 16 12	4°13'19	22°56	21° 3	2° 6	19°25	12°57	8°21	27°52	2°16	19°23	6° 7	4°59	27° 0	13°21	M19
T 20	6 20 8	5°14'31	5♓16	20°23	3°21	20°12	12°50	8°28	27°50	2°17	19°22	6° 1	4°56	27° 6	13°21	T 20
W21	6 24 5	6°15'43	17°48	19°53	4°35	20°58	12°43	8°35	27°47	2°19	19°21	5°56	4°53	27°13	13°21	W21
T 22	6 28 1	7°16'54	0♈37	19°33	5°49	21°45	12°36	8°42	27°45	2°20	19°19	5°55	4°50	27°20	13°21	T 22
F 23	6 31 58	8°18'04	13°47	19°22	7° 4	22°31	12°30	8°49	27°42	2°22	19°18	5°D54	4°47	27°27	13°22	F 23
S 24	6 35 55	9°19'14	27°19	19°D21	8°18	23°18	12°23	8°56	27°40	2°23	19°17	5°55	4°44	27°33	13°22	S 24
S 25	6 39 51	10°20'23	11♉18	19°27	9°32	24° 4	12°17	9° 3	27°37	2°25	19°15	5°R55	4°40	27°40	13°22	S 25
M26	6 43 48	11°21'32	25°44	19°42	10°46	24°50	12°10	9°10	27°35	2°26	19°14	5°54	4°37	27°47	13°23	M26
T 27	6 47 44	12°22'40	10♊34	20° 4	12° 1	25°37	12° 4	9°17	27°32	2°28	19°13	5°50	4°34	27°53	13°23	T 27
W28	6 51 41	13°23'47	25°42	20°32	13°15	26°23	11°58	9°25	27°30	2°30	19°11	5°43	4°31	28° 0	13°24	W28
T 29	6 55 37	14°24'53	11♋ 0	21° 7	14°29	27°10	11°53	9°32	27°27	2°31	19°10	5°34	4°28	28° 7	13°25	T 29
F 30	6 59 34	15°25'59	26°16	21°46	15°43	27°56	11°47	9°39	27°25	2°33	19° 9	5°23	4°24	28°13	13°25	F 30
S 31	7 3 30	16♑27'05	11♌20	22♐31	16♒57	28♒42	11♊41	9♑46	27♊22	2♓35	19♋ 7	5♏12	4♏21	28♐20	13♈26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s47	19n14	4s16	24s30	1s 3	24s38	1s28	20s14	1s18	22n15	0s29	23s 3	0n20	23n47	0n15	11s43	0s56	25n 2	2n59	14s 6	13s34	19s34	6n48	1n36
F 2	22 54	17 27	4 53	24 16	0 50	24 34	1 29	20 2	1 17	22 14	0 29	23 3	0 20	23 47	0 15	11 42	0 56	25 2	2 59	14 4	13 32	19 33	6 48	1 35
S 3	22 59	14 31	5 9	24 0	0 35	24 29	1 30	19 50	1 16	22 13	0 29	23 3	0 20	23 47	0 15	11 42	0 56	25 2	2 59	14 2	13 31	19 33	6 47	1 35
S 4	23 5	10 46	5 5	23 44	0 18	24 23	1 32	19 37	1 16	22 12	0 29	23 3	0 20	23 47	0 15	11 42	0 56	25 2	2 59	14 0	13 30	19 32	6 47	1 35
M 5	23 10	6 32	4 43	23 27	0 1	24 16	1 33	19 25	1 15	22 12	0 29	23 2	0 20	23 47	0 15	11 41	0 56	25 3	2 59	13 59	13 29	19 32	6 47	1 35
T 6	23 14	2 7	4 5	23 9	0n18	24 9	1 34	19 12	1 15	22 11	0 28	23 2	0 20	23 47	0 15	11 41	0 56	25 3	2 59	13 59	13 28	19 32	6 46	1 35
W 7	23 18	2s17	3 16	22 51	0 37	24 0	1 35	18 58	1 14	22 10	0 28	23 2	0 20	23 47	0 15	11 40	0 56	25 3	2 59	13 59	13 27	19 31	6 46	1 35
T 8	23 21	6 27	2 18	22 33	0 57	23 51	1 36	18 45	1 13	22 9	0 28	23 2	0 20	23 47	0 15	11 40	0 56	25 4	2 59	13 59	13 26	19 31	6 45	1 34
F 9	23 24	10 16	1 15	22 14	1 17	23 42	1 37	18 31	1 13	22 8	0 28	23 1	0 19	23 47	0 15	11 40	0 56	25 4	3 0	14 0	13 25	19 31	6 45	1 34
S 10	23 27	13 34	0 10	21 56	1 36	23 31	1 38	18 18	1 12	22 8	0 28	23 1	0 19	23 47	0 15	11 39	0 56	25 4	3 0	14 0	13 24	19 30	6 45	1 34
S 11	23 29	16 15	0n55	21 37	1 55	23 20	1 39	18 4	1 11	22 7	0 28	23 1	0 19	23 47	0 15	11 39	0 56	25 4	3 0	14 0	13 23	19 30	6 44	1 34
M12	23 31	18 13	1 57	21 20	2 13	23 8	1 40	17 50	1 11	22 6	0 27	23 0	0 19	23 47	0 15	11 38	0 56	25 5	3 0	13 59	13 22	19 30	6 44	1 34
T 13	23 32	19 23	2 52	21 3	2 29	22 56	1 40	17 35	1 10	22 5	0 27	23 0	0 19	23 47	0 15	11 38	0 56	25 5	3 0	13 57	13 21	19 29	6 44	1 34
W14	23 32	19 41	3 41	20 47	2 42	22 43	1 41	17 21	1 9	22 5	0 27	23 0	0 19	23 47	0 15	11 37	0 56	25 5	3 0	13 54	13 20	19 29	6 44	1 33
T 15	23 32	19 8	4 19	20 34	2 54	22 29	1 42	17 6	1 9	22 4	0 27	22 59	0 19	23 47	0 15	11 37	0 56	25 5	3 0	13 51	13 19	19 29	6 43	1 33
F 16	23 32	17 44	4 47	20 21	3 3	22 14	1 42	16 52	1 8	22 3	0 27	22 59	0 19	23 47	0 15	11 36	0 56	25 6	3 0	13 48	13 18	19 28	6 43	1 33
S 17	23 31	15 34	5 2	20 12	3 10	21 59	1 43	16 37	1 7	22 2	0 27	22 59	0 19	23 47	0 15	11 36	0 56	25 6	3 0	13 44	13 17	19 28	6 43	1 33
S 18	23 30	12 44	5 4	20 4	3 14	21 43	1 43	16 22	1 7	22 2	0 26	22 58	0 19	23 47	0 15	11 35	0 56	25 6	3 0	13 40	13 16	19 27	6 43	1 33
M19	23 28	9 20	4 52	19 59	3 16	21 27	1 43	16 6	1 6	22 1	0 26	22 58	0 19	23 47	0 15	11 35	0 56	25 7	3 1	13 37	13 14	19 27	6 43	1 33
T 20	23 26	5 29	4 26	19 56	3 16	21 10	1 43	15 51	1 5	22 0	0 26	22 58	0 19	23 47	0 15	11 34	0 56	25 7	3 1	13 35	13 13	19 27	6 43	1 33
W21	23 24	1 21	3 48	19 56	3 14	20 52	1 43	15 35	1 5	22 0	0 26	22 57	0 19	23 47	0 15	11 34	0 56	25 7	3 1	13 33	13 12	19 26	6 43	1 32
T 22	23 20	2n57	2 57	19 58	3 10	20 34	1 43	15 20	1 4	21 59	0 26	22 57	0 19	23 47	0 15	11 33	0 56	25 7	3 1	13 33	13 11	19 26	6 43	1 32
F 23	23 17	7 14	1 55	20 2	3 5	20 15	1 43	15 4	1 3	21 58	0 25	22 56	0 18	23 47	0 15	11 33	0 56	25 8	3 1	13 33	13 10	19 25	6 42	1 32
S 24	23 13	11 16	0 46	20 8	2 59	19 56	1 43	14 48	1 3	21 57	0 25	22 56	0 18	23 47	0 15	11 32	0 56	25 8	3 1	13 33	13 9	19 25	6 42	1 32
S 25	23 8	14 50	0s29	20 15	2 52	19 36	1 43	14 32	1 2	21 57	0 25	22 56	0 18	23 47	0 15	11 32	0 56	25 8	3 1	13 33	13 8	19 25	6 42	1 32
M26	23 3	17 36	1 43	20 24	2 45	19 15	1 43	14 16	1 1	21 56	0 25	22 55	0 18	23 47	0 15	11 31	0 56	25 9	3 1	13 33	13 7	19 24	6 43	1 32
T 27	22 58	19 16	2 53	20 34	2 37	18 54	1 42	13 59	1 1	21 56	0 25	22 55	0 18	23 46	0 15	11 30	0 56	25 9	3 1	13 31	13 6	19 24	6 43	1 31
W28	22 52	19 36	3 52	20 45	2 28	18 33	1 42	13 43	1 0	21 55	0 25	22 54	0 18	23 46	0 15	11 30	0 56	25 9	3 1	13 29	13 5	19 23	6 43	1 31
T 29	22 45	18 31	4 35	20 56	2 19	18 10	1 41	13 26	0 59	21 54	0 24	22 54	0 18	23 46	0 15	11 29	0 56	25 9	3 1	13 26	13 4	19 23	6 43	1 31
F 30	22 39	16 6	4 58	21 8	2 9	17 48	1 41	13 9	0 58	21 54	0 24	22 53	0 18	23 46	0 15	11 29	0 56	25 10	3 1	13 22	13 3	19 22	6 43	1 31
S 31	22s31	12n38	5s 0	21s20	2n 0	17s25	1s40	12s53	0s58	21n53	0s24	22s53	0n18	23n46	0n15	11s28	0s56	25n10	3n 1	13s19	13s 2	19s22	6n43	1n31

Julian Day Number = 2157500.5, Delta T = 13m32s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'52, Lahiri = 12°37'53 Julian Calendar 1 Dec. 1194 == Greg. Calendar 8 Dec. 1194

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

JANUARY 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 7 27	17♉28'09	26♌ 1	23♐19	18♒11	29♒29	11°R36	9♉53	27°R20	2♓36	19°R 6	5°R 2	4♏18	28♐27	13♈27	S 1
M 2	7 11 24	18°29'14	10♍14	24°12	19°25	0♓15	11♊31	10° 0	27♊18	2°38	19♋ 5	4♏55	4°15	28°33	13°28	M 2
T 3	7 15 20	19°30'17	23°56	25° 8	20°39	1° 1	11°26	10° 7	27°15	2°40	19° 3	4°50	4°12	28°40	13°29	T 3
W 4	7 19 17	20°31'21	7♎ 8	26° 7	21°53	1°47	11°21	10°14	27°13	2°42	19° 2	4°47	4° 9	28°47	13°30	W 4
T 5	7 23 13	21°32'23	19°54	27°10	23° 6	2°34	11°16	10°21	27°11	2°43	19° 1	4°D46	4° 5	28°54	13°31	T 5
F 6	7 27 10	22°33'26	2♏18	28°14	24°20	3°20	11°12	10°28	27° 8	2°45	18°59	4°R47	4° 2	29° 0	13°32	F 6
S 7	7 31 6	23°34'27	14°26	29°22	25°34	4° 6	11° 7	10°35	27° 6	2°47	18°58	4°46	3°59	29° 7	13°33	S 7
S 8	7 35 3	24°35'28	26°22	0♑31	26°48	4°52	11° 3	10°42	27° 4	2°49	18°57	4°44	3°56	29°14	13°34	S 8
M 9	7 38 59	25°36'29	8♐12	1°42	28° 1	5°38	10°59	10°49	27° 2	2°51	18°55	4°40	3°53	29°20	13°35	M 9
T 10	7 42 56	26°37'28	20° 0	2°55	29°15	6°25	10°56	10°56	26°59	2°53	18°54	4°33	3°50	29°27	13°37	T 10
W11	7 46 53	27°38'27	1♑50	4°10	0♓28	7°11	10°52	11° 3	26°57	2°55	18°53	4°23	3°46	29°34	13°38	W11
T 12	7 50 49	28°39'25	13°43	5°26	1°42	7°57	10°49	11°10	26°55	2°57	18°51	4°10	3°43	29°40	13°39	T 12
F 13	7 54 46	29°40'22	25°42	6°44	2°55	8°43	10°45	11°17	26°53	2°59	18°50	3°55	3°40	29°47	13°41	F 13
S 14	7 58 42	0♒41'17	7♒47	8° 3	4° 9	9°29	10°43	11°24	26°51	3° 1	18°49	3°40	3°37	29°54	13°42	S 14
S 15	8 2 39	1°42'12	20° 0	9°23	5°22	10°15	10°40	11°30	26°49	3° 3	18°48	3°26	3°34	0♑ 1	13°44	S 15
M16	8 6 35	2°43'05	2♓22	10°45	6°35	11° 1	10°37	11°37	26°47	3° 5	18°46	3°13	3°30	0° 7	13°45	M16
T 17	8 10 32	3°43'57	14°53	12° 8	7°48	11°47	10°35	11°44	26°45	3° 7	18°45	3° 4	3°27	0°14	13°47	T 17
W18	8 14 28	4°44'47	27°34	13°31	9° 2	12°33	10°32	11°51	26°43	3° 9	18°44	2°57	3°24	0°21	13°49	W18
T 19	8 18 25	5°45'36	10♈29	14°56	10°15	13°19	10°30	11°57	26°41	3°11	18°42	2°53	3°21	0°27	13°51	T 19
F 20	8 22 22	6°46'23	23°38	16°22	11°28	14° 4	10°29	12° 4	26°40	3°13	18°41	2°52	3°18	0°34	13°52	F 20
S 21	8 26 18	7°47'09	7♉ 6	17°49	12°41	14°50	10°27	12°11	26°38	3°15	18°40	2°52	3°15	0°41	13°54	S 21
S 22	8 30 15	8°47'53	20°53	19°16	13°54	15°36	10°26	12°17	26°36	3°17	18°39	2°52	3°11	0°47	13°56	S 22
M23	8 34 11	9°48'36	5♊ 2	20°45	15° 6	16°22	10°25	12°24	26°34	3°19	18°37	2°50	3° 8	0°54	13°58	M23
T 24	8 38 8	10°49'17	19°32	22°15	16°19	17° 7	10°24	12°31	26°33	3°21	18°36	2°46	3° 5	1° 1	14° 0	T 24
W25	8 42 4	11°49'56	4♋20	23°45	17°32	17°53	10°23	12°37	26°31	3°23	18°35	2°39	3° 2	1° 8	14° 2	W25
T 26	8 46 1	12°50'33	19°19	25°16	18°44	18°39	10°22	12°44	26°30	3°26	18°34	2°29	2°59	1°14	14° 4	T 26
F 27	8 49 57	13°51'09	4♌20	26°49	19°57	19°24	10°22	12°50	26°28	3°28	18°33	2°18	2°56	1°21	14° 7	F 27
S 28	8 53 54	14°51'43	19°15	28°22	21° 9	20°10	10°D22	12°57	26°27	3°30	18°31	2° 6	2°52	1°28	14° 9	S 28
S 29	8 57 51	15°52'16	3♍53	29°56	22°22	20°55	10°22	13° 3	26°25	3°32	18°30	1°56	2°49	1°34	14°11	S 29
M30	9 1 47	16°52'47	18° 8	1♎31	23°34	21°41	10°22	13° 9	26°24	3°34	18°29	1°47	2°46	1°41	14°13	M30
T 31	9 5 44	17♎53'16	1♏55	3♎ 7	24♓46	22♓26	10♊22	13♉16	26♊22	3♓36	18♋28	1♏41	2♏43	1♑48	14♈16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s24	8n28	4s42	21s32	1n50	17s 1	1s39	12s36	0s57	21n53	0s24	22s53	0n18	23n46	0n15	11s27	0s56	25n10	3n 2	13s15	13s 1	19s22	6n43	1n31
M 2	22 16	3 57	4 7	21 44	1 41	16 37	1 39	12 19	0 56	21 52	0 24	22 52	0 18	23 46	0 15	11 27	0 56	25 10	3 2	13 13	12 59	19 21	6 43	1 31
T 3	22 7	0s37	3 19	21 56	1 31	16 13	1 38	12 1	0 56	21 52	0 23	22 52	0 18	23 46	0 15	11 26	0 56	25 11	3 2	13 11	12 58	19 21	6 44	1 30
W 4	21 58	5 0	2 21	22 8	1 21	15 48	1 37	11 44	0 55	21 51	0 23	22 51	0 18	23 46	0 15	11 25	0 56	25 11	3 2	13 10	12 57	19 20	6 44	1 30
T 5	21 49	9 1	1 18	22 19	1 11	15 23	1 36	11 27	0 54	21 51	0 23	22 51	0 18	23 46	0 15	11 25	0 56	25 11	3 2	13 10	12 56	19 20	6 44	1 30
F 6	21 39	12 32	0 13	22 30	1 2	14 57	1 34	11 9	0 53	21 50	0 23	22 50	0 17	23 46	0 15	11 24	0 56	25 11	3 2	13 10	12 55	19 19	6 44	1 30
S 7	21 28	15 25	0n51	22 40	0 52	14 31	1 33	10 52	0 53	21 50	0 23	22 50	0 17	23 46	0 15	11 23	0 56	25 12	3 2	13 10	12 54	19 19	6 45	1 30
S 8	21 18	17 37	1 52	22 49	0 43	14 4	1 32	10 34	0 52	21 50	0 22	22 49	0 17	23 46	0 15	11 23	0 56	25 12	3 2	13 9	12 53	19 18	6 45	1 30
M 9	21 7	19 1	2 47	22 58	0 34	13 38	1 30	10 17	0 51	21 49	0 22	22 49	0 17	23 46	0 15	11 22	0 56	25 12	3 2	13 8	12 52	19 18	6 45	1 29
T 10	20 55	19 36	3 35	23 6	0 25	13 10	1 29	9 59	0 50	21 49	0 22	22 48	0 17	23 46	0 15	11 21	0 56	25 12	3 2	13 5	12 51	19 17	6 46	1 29
W11	20 43	19 18	4 13	23 12	0 16	12 43	1 27	9 41	0 50	21 49	0 22	22 48	0 17	23 46	0 15	11 21	0 56	25 13	3 2	13 2	12 50	19 17	6 46	1 29
T 12	20 31	18 10	4 41	23 18	0 7	12 15	1 26	9 23	0 49	21 48	0 22	22 47	0 17	23 46	0 15	11 20	0 56	25 13	3 2	12 58	12 49	19 16	6 47	1 29
F 13	20 18	16 14	4 56	23 23	0s 1	11 47	1 24	9 5	0 48	21 48	0 21	22 47	0 17	23 46	0 15	11 19	0 56	25 13	3 2	12 53	12 48	19 16	6 47	1 29
S 14	20 5	13 35	4 59	23 27	0 9	11 18	1 22	8 47	0 48	21 48	0 21	22 46	0 17	23 46	0 15	11 18	0 56	25 13	3 2	12 48	12 46	19 15	6 47	1 29
S 15	19 52	10 20	4 47	23 30	0 17	10 50	1 20	8 29	0 47	21 48	0 21	22 46	0 17	23 46	0 15	11 18	0 56	25 14	3 2	12 43	12 45	19 15	6 48	1 29
M16	19 38	6 36	4 22	23 31	0 25	10 21	1 18	8 11	0 46	21 47	0 21	22 45	0 17	23 46	0 15	11 17	0 56	25 14	3 3	12 38	12 44	19 15	6 48	1 28
T 17	19 24	2 32	3 44	23 32	0 33	9 51	1 16	7 52	0 45	21 47	0 21	22 45	0 17	23 46	0 15	11 16	0 56	25 14	3 3	12 35	12 43	19 14	6 49	1 28
W18	19 10	1n42	2 55	23 31	0 40	9 22	1 14	7 34	0 45	21 47	0 21	22 44	0 17	23 45	0 15	11 15	0 56	25 14	3 3	12 33	12 42	19 14	6 49	1 28
T 19	18 55	5 56	1 55	23 29	0 47	8 52	1 12	7 16	0 44	21 47	0 20	22 43	0 17	23 45	0 15	11 15	0 56	25 15	3 3	12 32	12 41	19 13	6 50	1 28
F 20	18 40	9 58	0 49	23 26	0 54	8 22	1 10	6 57	0 43	21 47	0 20	22 43	0 17	23 45	0 15	11 14	0 56	25 15	3 3	12 31	12 40	19 13	6 51	1 28
S 21	18 24	13 35	0s22	23 21	1 1	7 52	1 8	6 39	0 42	21 47	0 20	22 42	0 17	23 45	0 15	11 13	0 56	25 15	3 3	12 31	12 39	19 12	6 51	1 28
S 22	18 8	16 33	1 34	23 15	1 7	7 22	1 5	6 20	0 42	21 47	0 20	22 42	0 16	23 45	0 15	11 12	0 56	25 15	3 3	12 31	12 38	19 11	6 52	1 28
M23	17 52	18 35	2 41	23 8	1 13	6 51	1 3	6 2	0 41	21 47	0 20	22 41	0 16	23 45	0 15	11 12	0 56	25 15	3 3	12 30	12 37	19 11	6 52	1 27
T 24	17 36	19 28	3 40	23 0	1 19	6 21	1 0	5 43	0 40	21 47	0 19	22 41	0 16	23 45	0 15	11 11	0 56	25 16	3 3	12 29	12 36	19 10	6 53	1 27
W25	17 19	19 3	4 25	22 50	1 24	5 50	0 58	5 25	0 39	21 47	0 19	22 40	0 16	23 45	0 15	11 10	0 56	25 16	3 3	12 27	12 35	19 10	6 54	1 27
T 26	17 2	17 19	4 53	22 38	1 29	5 19	0 55	5 6	0 39	21 47	0 19	22 40	0 16	23 45	0 15	11 9	0 56	25 16	3 3	12 23	12 33	19 9	6 54	1 27
F 27	16 44	14 23	5 0	22 26	1 34	4 48	0 52	4 48	0 38	21 47	0 19	22 39	0 16	23 45	0 15	11 9	0 56	25 16	3 3	12 19	12 32	19 9	6 55	1 27
S 28	16 27	10 33	4 48	22 12	1 39	4 17	0 49	4 29	0 37	21 47	0 19	22 39	0 16	23 45	0 15	11 8	0 56	25 17	3 3	12 15	12 31	19 8	6 56	1 27
S 29	16 9	6 9	4 16	21 56	1 43	3 45	0 46	4 10	0 36	21 48	0 18	22 38	0 16	23 45	0 15	11 7	0 56	25 17	3 3	12 12	12 30	19 8	6 57	1 27
M30	15 51	1 31	3 29	21 39	1 47	3 14	0 44	3 52	0 36	21 48	0 18	22 37	0 16	23 45	0 15	11 6	0 56	25 17	3 3	12 9	12 29	19 7	6 57	1 26
T 31	15s32	3s 4	2s31	21s20	1s51	2s42	0s41	3s33	0s35	21n48	0s18	22s37	0n16	23n45	0n15	11s 5	0s56	25n17	3n 3	12s 7	12s28	19s 7	6n58	1n26

Julian Day Number = 2157531.5, Delta T = 13m32s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°30'57, Lahiri = 12°37'57 Julian Calendar 1 Jan. 1195 == Greg. Calendar 8 Jan. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

FEBRUARY 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 9 40	18♒53'45	15♎14	4♒43	25♓58	23♓12	10♊23	13♑22	26°R21	3♓39	18°R27	1°R38	2♏40	1♑55	14♈18	W 1
T 2	9 13 37	19°54'12	28° 6	6°21	27°10	23°57	10°24	13°28	26♊20	3°41	18♋26	1°D37	2°36	2° 1	14°20	T 2
F 3	9 17 33	20°54'37	10♏35	8° 0	28°22	24°42	10°25	13°34	26°19	3°43	18°24	1♏37	2°33	2° 8	14°23	F 3
S 4	9 21 30	21°55'01	22°46	9°39	29°34	25°28	10°26	13°40	26°17	3°45	18°23	1°R37	2°30	2°15	14°25	S 4
S 5	9 25 26	22°55'24	4♐45	11°20	0♈46	26°13	10°27	13°46	26°16	3°48	18°22	1°36	2°27	2°21	14°28	S 5
M 6	9 29 23	23°55'45	16°36	13° 1	1°57	26°58	10°29	13°52	26°15	3°50	18°21	1°34	2°24	2°28	14°31	M 6
T 7	9 33 20	24°56'05	28°25	14°44	3° 9	27°43	10°31	13°58	26°14	3°52	18°20	1°29	2°21	2°35	14°33	T 7
W 8	9 37 16	25°56'23	10♑16	16°27	4°20	28°28	10°33	14° 4	26°13	3°54	18°19	1°21	2°17	2°41	14°36	W 8
T 9	9 41 13	26°56'39	22°13	18°12	5°32	29°14	10°35	14°10	26°12	3°57	18°18	1°11	2°14	2°48	14°39	T 9
F 10	9 45 9	27°56'54	4♒19	19°57	6°43	29°59	10°37	14°16	26°12	3°59	18°17	0°59	2°11	2°55	14°41	F 10
S 11	9 49 6	28°57'07	16°34	21°44	7°54	0♈44	10°40	14°22	26°11	4° 1	18°16	0°47	2° 8	3° 2	14°44	S 11
S 12	9 53 2	29°57'19	29° 1	23°32	9° 5	1°29	10°43	14°27	26°10	4° 3	18°15	0°35	2° 5	3° 8	14°47	S 12
M13	9 56 59	0♓57'28	11♓38	25°20	10°16	2°14	10°46	14°33	26° 9	4° 6	18°14	0°25	2° 2	3°15	14°50	M13
T 14	10 0 55	1°57'36	24°27	27°10	11°27	2°58	10°49	14°39	26° 9	4° 8	18°13	0°18	1°58	3°22	14°53	T 14
W15	10 4 52	2°57'41	7♈28	29° 1	12°38	3°43	10°52	14°44	26° 8	4°10	18°12	0°13	1°55	3°28	14°56	W15
T 16	10 8 49	3°57'44	20°39	0♓53	13°48	4°28	10°56	14°50	26° 7	4°12	18°12	0°10	1°52	3°35	14°58	T 16
F 17	10 12 45	4°57'46	4♉ 2	2°46	14°59	5°13	10°59	14°55	26° 7	4°15	18°11	0°D10	1°49	3°42	15° 1	F 17
S 18	10 16 42	5°57'45	17°37	4°39	16° 9	5°58	11° 3	15° 0	26° 7	4°17	18°10	0°11	1°46	3°48	15° 4	S 18
S 19	10 20 38	6°57'42	1♊25	6°34	17°19	6°42	11° 7	15° 6	26° 6	4°19	18° 9	0°R11	1°42	3°55	15° 8	S 19
M20	10 24 35	7°57'36	15°27	8°30	18°29	7°27	11°11	15°11	26° 6	4°22	18° 8	0°11	1°39	4° 2	15°11	M20
T 21	10 28 31	8°57'29	29°42	10°27	19°39	8°11	11°16	15°16	26° 6	4°24	18° 7	0° 9	1°36	4° 9	15°14	T 21
W22	10 32 28	9°57'19	14♋ 8	12°24	20°49	8°56	11°20	15°21	26° 5	4°26	18° 7	0° 5	1°33	4°15	15°17	W22
T 23	10 36 24	10°57'07	28°41	14°22	21°59	9°41	11°25	15°26	26° 5	4°28	18° 6	29♎59	1°30	4°22	15°20	T 23
F 24	10 40 21	11°56'52	13♌16	16°21	23° 8	10°25	11°30	15°31	26° 5	4°31	18° 5	29°52	1°27	4°29	15°23	F 24
S 25	10 44 17	12°56'35	27°45	18°20	24°18	11° 9	11°35	15°36	26° 5	4°33	18° 5	29°44	1°23	4°35	15°26	S 25
S 26	10 48 14	13°56'17	12♍ 4	20°19	25°27	11°54	11°40	15°41	26°D 5	4°35	18° 4	29°37	1°20	4°42	15°30	S 26
M27	10 52 11	14°55'56	26° 4	22°19	26°36	12°38	11°46	15°45	26° 5	4°37	18° 3	29°31	1°17	4°49	15°33	M27
T 28	10 56 7	15♓55'33	9♎44	24♓18	27♈45	13♈22	11♊51	15♑50	26♊ 5	4♓40	18♋ 3	29♎28	1♏14	4♑56	15♈36	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	15s13	7s20	1s26	21s 1	1s54	2s11	0s37	3s14	0s34	21n48	0s18	22s36	0n16	23n45	0n15	11s 5	0s56	25n17	3n 3	12s 6	12s27	19s 6	6n59	1n26	W 1
T 2	14 54	11 8	0 19	20 39	1 57	1 39	0 34	2 55	0 34	21 49	0 18	22 36	0 16	23 45	0 15	11 4	0 56	25 17	3 3	12 5	12 26	19 6	7 0	1 26	T 2
F 3	14 35	14 19	0n48	20 16	1 59	1 8	0 31	2 37	0 33	21 49	0 18	22 35	0 16	23 45	0 15	11 3	0 56	25 18	3 3	12 5	12 25	19 5	7 1	1 26	F 3
S 4	14 16	16 46	1 50	19 52	2 2	0 36	0 28	2 18	0 32	21 49	0 17	22 35	0 16	23 45	0 15	11 2	0 56	25 18	3 3	12 5	12 24	19 5	7 2	1 26	S 4
S 5	13 56	18 27	2 47	19 26	2 3	0 4	0 25	1 59	0 31	21 50	0 17	22 34	0 16	23 45	0 15	11 1	0 56	25 18	3 3	12 5	12 22	19 4	7 2	1 26	S 5
M 6	13 36	19 18	3 35	18 58	2 5	0n27	0 21	1 41	0 31	21 50	0 17	22 33	0 16	23 45	0 15	11 0	0 56	25 18	3 3	12 4	12 21	19 3	7 3	1 25	M 6
T 7	13 16	19 17	4 15	18 29	2 6	0 59	0 18	1 22	0 30	21 51	0 17	22 33	0 15	23 45	0 15	11 0	0 56	25 18	3 3	12 2	12 20	19 3	7 4	1 25	T 7
W 8	12 56	18 26	4 43	17 59	2 6	1 31	0 14	1 3	0 29	21 51	0 17	22 32	0 15	23 45	0 15	10 59	0 56	25 19	3 3	12 0	12 19	19 2	7 5	1 25	W 8
T 9	12 35	16 47	4 59	17 27	2 7	2 2	0 11	0 45	0 28	21 51	0 16	22 32	0 15	23 45	0 15	10 58	0 56	25 19	3 3	11 56	12 18	19 2	7 6	1 25	T 9
F 10	12 14	14 22	5 2	16 53	2 6	2 34	0 7	0 26	0 28	21 52	0 16	22 31	0 15	23 45	0 15	10 57	0 56	25 19	3 3	11 52	12 17	19 1	7 7	1 25	F 10
S 11	11 53	11 18	4 52	16 18	2 6	3 5	0 4	0 7	0 27	21 53	0 16	22 31	0 15	23 45	0 15	10 56	0 56	25 19	3 3	11 48	12 16	19 1	7 8	1 25	S 11
S 12	11 32	7 42	4 27	15 41	2 4	3 37	0 0	0n11	0 26	21 53	0 16	22 30	0 15	23 45	0 15	10 56	0 56	25 19	3 3	11 44	12 15	19 0	7 9	1 25	S 12
M13	11 11	3 42	3 49	15 3	2 3	4 8	0n 4	0 30	0 25	21 54	0 16	22 30	0 15	23 45	0 15	10 55	0 56	25 19	3 3	11 40	12 14	18 59	7 10	1 25	M13
T 14	10 49	0n31	2 59	14 23	2 0	4 40	0 7	0 49	0 25	21 54	0 16	22 29	0 15	23 45	0 15	10 54	0 56	25 19	3 3	11 37	12 13	18 59	7 11	1 24	T 14
W15	10 28	4 47	1 58	13 42	1 58	5 11	0 11	1 7	0 24	21 55	0 15	22 28	0 15	23 44	0 15	10 53	0 56	25 20	3 3	11 36	12 11	18 58	7 12	1 24	W15
T 16	10 6	8 53	0 51	13 0	1 55	5 42	0 15	1 26	0 23	21 56	0 15	22 28	0 15	23 44	0 15	10 52	0 56	25 20	3 3	11 35	12 10	18 58	7 13	1 24	T 16
F 17	9 44	12 35	0s21	12 15	1 51	6 13	0 19	1 44	0 22	21 56	0 15	22 27	0 15	23 44	0 15	10 51	0 56	25 20	3 3	11 35	12 9	18 57	7 14	1 24	F 17
S 18	9 22	15 41	1 32	11 30	1 47	6 44	0 23	2 3	0 22	21 57	0 15	22 27	0 15	23 44	0 15	10 51	0 56	25 20	3 3	11 35	12 8	18 56	7 15	1 24	S 18
S 19	9 0	17 56	2 40	10 43	1 42	7 14	0 27	2 21	0 21	21 58	0 15	22 26	0 15	23 44	0 15	10 50	0 56	25 20	3 3	11 35	12 7	18 56	7 16	1 24	S 19
M20	8 37	19 7	3 39	9 54	1 36	7 45	0 30	2 39	0 20	21 59	0 15	22 26	0 15	23 44	0 15	10 49	0 56	25 20	3 3	11 35	12 6	18 55	7 17	1 24	M20
T 21	8 15	19 7	4 25	9 5	1 30	8 15	0 34	2 58	0 20	21 59	0 14	22 25	0 15	23 44	0 15	10 48	0 56	25 20	3 3	11 34	12 5	18 55	7 18	1 24	T 21
W22	7 52	17 54	4 55	8 14	1 24	8 45	0 38	3 16	0 19	22 0	0 14	22 25	0 15	23 44	0 15	10 47	0 56	25 20	3 3	11 33	12 4	18 54	7 20	1 24	W22
T 23	7 29	15 30	5 7	7 21	1 17	9 15	0 42	3 34	0 18	22 1	0 14	22 24	0 15	23 44	0 15	10 46	0 56	25 21	3 3	11 31	12 3	18 53	7 21	1 23	T 23
F 24	7 7	12 8	4 59	6 28	1 9	9 45	0 46	3 52	0 17	22 2	0 14	22 24	0 15	23 44	0 15	10 46	0 56	25 21	3 3	11 28	12 2	18 53	7 22	1 23	F 24
S 25	6 44	8 3	4 32	5 34	1 1	10 14	0 50	4 11	0 17	22 3	0 14	22 23	0 14	23 44	0 15	10 45	0 56	25 21	3 3	11 26	12 0	18 52	7 23	1 23	S 25
S 26	6 21	3 34	3 47	4 39	0 52	10 44	0 55	4 29	0 16	22 3	0 14	22 23	0 14	23 44	0 15	10 44	0 56	25 21	3 4	11 23	11 59	18 52	7 24	1 23	S 26
M27	5 58	1s 2	2 50	3 43	0 43	11 13	0 59	4 47	0 15	22 4	0 13	22 22	0 14	23 44	0 15	10 43	0 56	25 21	3 4	11 21	11 58	18 51	7 25	1 23	M27
T 28	5s34	5s28	1s45	2s46	0s33	11n42	1n 3	5n 5	0s15	22n 5	0s13	22s22	0n14	23n44	0n15	10s42	0s56	25n21	3n 4	11s20	11s57	18s50	7n27	1n23	T 28

Julian Day Number = 2157562.5, Delta T = 13m32s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'01, Lahiri = 12°38'01 Julian Calendar 1 Feb. 1195 == Greg. Calendar 8 Feb. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

MARCH 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 0 4	16♓55'08	22♎59	26♓16	28♈54	14♈ 6	11♊57	15♑55	26♊ 5	4♓42	18°R 2	29°R26	1♏11	5♑ 2	15♈40	W 1
T 2	11 4 0	17°54'41	5♏52	28°14	0♉ 2	14°51	12° 3	15°59	26° 5	4°44	18♋ 1	29°D26	1° 7	5° 9	15°43	T 2
F 3	11 7 57	18°54'13	18°24	0♈11	1°11	15°35	12° 9	16° 4	26° 6	4°46	18° 1	29♎27	1° 4	5°16	15°46	F 3
S 4	11 11 53	19°53'42	0♐39	2° 6	2°19	16°19	12°15	16° 8	26° 6	4°49	18° 0	29°29	1° 1	5°22	15°50	S 4
S 5	11 15 50	20°53'10	12°41	3°59	3°27	17° 3	12°22	16°12	26° 6	4°51	18° 0	29°30	0°58	5°29	15°53	S 5
M 6	11 19 46	21°52'36	24°36	5°50	4°35	17°47	12°28	16°17	26° 7	4°53	17°59	29°R30	0°55	5°36	15°57	M 6
T 7	11 23 43	22°52'01	6♑27	7°39	5°43	18°31	12°35	16°21	26° 7	4°55	17°59	29°29	0°52	5°43	16° 0	T 7
W 8	11 27 40	23°51'23	18°20	9°24	6°50	19°15	12°42	16°25	26° 8	4°57	17°58	29°26	0°48	5°49	16° 4	W 8
T 9	11 31 36	24°50'44	0♒20	11° 5	7°58	19°58	12°49	16°29	26° 8	5° 0	17°58	29°22	0°45	5°56	16° 7	T 9
F 10	11 35 33	25°50'03	12°30	12°43	9° 5	20°42	12°56	16°33	26° 9	5° 2	17°58	29°17	0°42	6° 3	16°11	F 10
S 11	11 39 29	26°49'19	24°53	14°16	10°12	21°26	13° 3	16°37	26°10	5° 4	17°57	29°11	0°39	6° 9	16°14	S 11
S 12	11 43 26	27°48'34	7♓31	15°44	11°19	22°10	13°11	16°40	26°10	5° 6	17°57	29° 6	0°36	6°16	16°18	S 12
M13	11 47 22	28°47'47	20°25	17° 7	12°25	22°53	13°18	16°44	26°11	5° 8	17°57	29° 1	0°33	6°23	16°21	M13
T 14	11 51 19	29°46'58	3♈33	18°25	13°32	23°37	13°26	16°48	26°12	5°10	17°56	28°57	0°29	6°29	16°25	T 14
W15	11 55 15	0♈46'06	16°57	19°37	14°38	24°20	13°34	16°51	26°13	5°12	17°56	28°55	0°26	6°36	16°28	W15
T 16	11 59 12	1°45'13	0♉33	20°43	15°44	25° 4	13°42	16°55	26°14	5°14	17°56	28°D55	0°23	6°43	16°32	T 16
F 17	12 3 8	2°44'17	14°19	21°43	16°50	25°47	13°50	16°58	26°15	5°17	17°56	28°56	0°20	6°50	16°36	F 17
S 18	12 7 5	3°43'19	28°15	22°36	17°55	26°31	13°58	17° 1	26°16	5°19	17°55	28°57	0°17	6°56	16°39	S 18
S 19	12 11 2	4°42'19	12♊18	23°23	19° 1	27°14	14° 7	17° 4	26°17	5°21	17°55	28°58	0°13	7° 3	16°43	S 19
M20	12 14 58	5°41'17	26°26	24° 4	20° 6	27°58	14°15	17° 8	26°18	5°23	17°55	28°59	0°10	7°10	16°46	M20
T 21	12 18 55	6°40'12	10♋38	24°38	21°10	28°41	14°24	17°11	26°19	5°25	17°55	29°R 0	0° 7	7°16	16°50	T 21
W22	12 22 51	7°39'05	24°51	25° 5	22°15	29°24	14°32	17°13	26°20	5°27	17°55	28°59	0° 4	7°23	16°54	W22
T 23	12 26 48	8°37'55	9♌ 3	25°26	23°19	0♌ 7	14°41	17°16	26°22	5°29	17°55	28°57	0° 1	7°30	16°57	T 23
F 24	12 30 44	9°36'43	23°11	25°39	24°23	0°50	14°50	17°19	26°23	5°31	17°55	28°55	29♎58	7°37	17° 1	F 24
S 25	12 34 41	10°35'29	7♍12	25°47	25°27	1°33	14°59	17°22	26°25	5°33	17°D55	28°52	29°54	7°43	17° 5	S 25
S 26	12 38 37	11°34'12	21° 1	25°R47	26°30	2°16	15° 9	17°24	26°26	5°35	17°55	28°50	29°51	7°50	17° 8	S 26
M27	12 42 34	12°32'54	4♎37	25°42	27°33	2°59	15°18	17°27	26°27	5°36	17°55	28°48	29°48	7°57	17°12	M27
T 28	12 46 31	13°31'33	17°57	25°31	28°36	3°42	15°27	17°29	26°29	5°38	17°55	28°47	29°45	8° 3	17°16	T 28
W29	12 50 27	14°30'10	1♏ 0	25°14	29°38	4°25	15°37	17°31	26°31	5°40	17°55	28°D47	29°42	8°10	17°20	W29
T 30	12 54 24	15°28'46	13°45	24°52	0♊40	5° 8	15°47	17°33	26°32	5°42	17°55	28°47	29°38	8°17	17°23	T 30
F 31	12 58 20	16♈27'20	26♏13	24♈25	1♊42	5♉51	15♊56	17♑35	26♊34	5♓44	17♋55	28♎48	29♎35	8♑24	17♈27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s11	9s31	0s35	1s50	0s22	12n10	1n 7	5n22	0s14	22n 6	0s13	22s21	0n14	23n44	0n15	10s42	0s56	25n21	3n 4	11s19	11s56	18s50	7n28	1n23
T 2	4 48	12 59	0n35	0 53	0 11	12 38	1 11	5 40	0 13	22 7	0 13	22 21	0 14	23 44	0 15	10 41	0 56	25 21	3 4	11 19	11 55	18 49	7 29	1 23
F 3	4 25	15 46	1 41	0n 4	0 0	13 6	1 15	5 58	0 12	22 8	0 13	22 20	0 14	23 44	0 15	10 40	0 56	25 21	3 4	11 19	11 54	18 48	7 30	1 23
S 4	4 1	17 45	2 41	1 1	0n11	13 34	1 19	6 16	0 12	22 9	0 13	22 20	0 14	23 44	0 15	10 39	0 56	25 21	3 4	11 20	11 53	18 48	7 31	1 23
S 5	3 38	18 53	3 33	1 57	0 23	14 1	1 23	6 33	0 11	22 10	0 12	22 19	0 14	23 44	0 15	10 38	0 56	25 21	3 4	11 21	11 52	18 47	7 33	1 22
M 6	3 14	19 10	4 16	2 52	0 35	14 28	1 27	6 51	0 10	22 11	0 12	22 19	0 14	23 44	0 15	10 38	0 56	25 21	3 3	11 21	11 50	18 46	7 34	1 22
T 7	2 51	18 37	4 47	3 47	0 48	14 55	1 31	7 8	0 10	22 12	0 12	22 18	0 14	23 44	0 15	10 37	0 56	25 21	3 3	11 20	11 49	18 46	7 35	1 22
W 8	2 27	17 14	5 6	4 40	1 0	15 22	1 36	7 26	0 9	22 13	0 12	22 18	0 14	23 44	0 15	10 36	0 56	25 22	3 3	11 19	11 48	18 45	7 36	1 22
T 9	2 3	15 6	5 11	5 31	1 12	15 48	1 40	7 43	0 8	22 14	0 12	22 18	0 14	23 44	0 15	10 35	0 56	25 22	3 3	11 18	11 47	18 44	7 38	1 22
F 10	1 40	12 16	5 3	6 20	1 25	16 13	1 44	8 0	0 8	22 15	0 12	22 17	0 14	23 44	0 15	10 34	0 56	25 22	3 3	11 16	11 46	18 44	7 39	1 22
S 11	1 16	8 52	4 41	7 8	1 37	16 39	1 48	8 17	0 7	22 16	0 12	22 17	0 14	23 44	0 15	10 34	0 56	25 22	3 3	11 14	11 45	18 43	7 40	1 22
S 12	0 52	5 0	4 5	7 53	1 48	17 4	1 52	8 34	0 6	22 17	0 11	22 16	0 14	23 44	0 15	10 33	0 56	25 22	3 3	11 12	11 44	18 42	7 41	1 22
M13	0 29	0 50	3 15	8 35	2 0	17 28	1 56	8 51	0 5	22 18	0 11	22 16	0 14	23 44	0 15	10 32	0 56	25 22	3 3	11 10	11 43	18 42	7 43	1 22
T 14	0 5	3n28	2 14	9 15	2 10	17 52	2 0	9 8	0 5	22 20	0 11	22 15	0 14	23 44	0 15	10 31	0 56	25 22	3 3	11 9	11 42	18 41	7 44	1 22
W15	0n18	7 41	1 5	9 52	2 21	18 16	2 4	9 25	0 4	22 21	0 11	22 15	0 13	23 45	0 15	10 31	0 56	25 22	3 3	11 8	11 40	18 40	7 45	1 21
T 16	0 42	11 34	0s 9	10 26	2 30	18 39	2 8	9 41	0 3	22 22	0 11	22 15	0 13	23 45	0 15	10 30	0 56	25 22	3 3	11 8	11 39	18 40	7 47	1 21
F 17	1 6	14 52	1 24	10 57	2 39	19 2	2 12	9 58	0 3	22 23	0 11	22 14	0 13	23 45	0 15	10 29	0 56	25 22	3 3	11 8	11 38	18 39	7 48	1 21
S 18	1 29	17 21	2 34	11 24	2 47	19 25	2 15	10 14	0 2	22 24	0 11	22 14	0 13	23 45	0 15	10 28	0 56	25 22	3 3	11 9	11 37	18 38	7 49	1 21
S 19	1 53	18 47	3 36	11 49	2 54	19 47	2 19	10 31	0 1	22 25	0 10	22 14	0 13	23 45	0 15	10 28	0 56	25 22	3 3	11 9	11 36	18 38	7 51	1 21
M20	2 16	19 4	4 26	12 9	3 0	20 8	2 23	10 47	0 1	22 26	0 10	22 13	0 13	23 45	0 15	10 27	0 56	25 22	3 3	11 10	11 35	18 37	7 52	1 21
T 21	2 40	18 9	4 59	12 26	3 4	20 29	2 27	11 3	0 0	22 27	0 10	22 13	0 13	23 45	0 15	10 26	0 56	25 22	3 3	11 10	11 34	18 36	7 53	1 21
W22	3 3	16 6	5 14	12 40	3 8	20 50	2 30	11 19	0n 1	22 29	0 10	22 13	0 13	23 45	0 15	10 26	0 56	25 22	3 3	11 9	11 33	18 36	7 55	1 21
T 23	3 26	13 5	5 10	12 50	3 11	21 10	2 34	11 35	0 1	22 30	0 10	22 12	0 13	23 45	0 15	10 25	0 56	25 22	3 3	11 9	11 31	18 35	7 56	1 21
F 24	3 49	9 19	4 47	12 56	3 12	21 30	2 38	11 51	0 2	22 31	0 10	22 12	0 13	23 45	0 15	10 24	0 56	25 22	3 3	11 8	11 30	18 34	7 57	1 21
S 25	4 13	5 5	4 7	12 58	3 12	21 49	2 41	12 6	0 3	22 32	0 10	22 12	0 13	23 45	0 15	10 23	0 56	25 22	3 3	11 7	11 29	18 33	7 59	1 21
S 26	4 36	0 37	3 14	12 57	3 10	22 7	2 45	12 22	0 3	22 33	0 9	22 12	0 13	23 45	0 15	10 23	0 56	25 22	3 3	11 6	11 28	18 33	8 0	1 21
M27	4 59	3s49	2 10	12 52	3 7	22 25	2 48	12 37	0 4	22 34	0 9	22 11	0 13	23 45	0 15	10 22	0 56	25 22	3 3	11 6	11 27	18 32	8 1	1 21
T 28	5 22	7 59	0 59	12 44	3 2	22 43	2 51	12 53	0 4	22 36	0 9	22 11	0 13	23 45	0 15	10 21	0 56	25 22	3 3	11 5	11 26	18 31	8 3	1 20
W29	5 44	11 41	0n12	12 32	2 56	23 0	2 55	13 8	0 5	22 37	0 9	22 11	0 13	23 45	0 15	10 21	0 56	25 22	3 3	11 5	11 25	18 31	8 4	1 20
T 30	6 7	14 44	1 22	12 17	2 49	23 17	2 58	13 23	0 6	22 38	0 9	22 11	0 13	23 45	0 15	10 20	0 56	25 22	3 3	11 5	11 24	18 30	8 5	1 20
F 31	6n30	17s 1	2n26	11n59	2n40	23n33	3n 1	13n38	0n 6	22n39	0s 9	22s10	0n13	23n45	0n15	10s19	0s56	25n22	3n 3	11s 6	11s22	18s29	8n 7	1n20

Julian Day Number = 2157590.5, Delta T = 13m32s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'05, Lahiri = 12°38'05 Julian Calendar 1 March 1195 == Greg. Calendar 8 March 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

APRIL 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 2 17	17♈25'52	8♐27	23°R54	2♊44	6♉33	16♊ 6	17♑37	26♊36	5♓46	17♋55	28♎49	29♎32	8♑30	17♈31	S 1
S 2	13 6 13	18°24'22	20°31	23♈20	3°45	7°16	16°16	17°39	26°37	5°48	17°56	28°50	29°29	8°37	17°34	S 2
M 3	13 10 10	19°22'51	2♑26	22°43	4°45	7°59	16°26	17°41	26°39	5°49	17°56	28°51	29°26	8°44	17°38	M 3
T 4	13 14 6	20°21'18	14°19	22° 4	5°46	8°41	16°36	17°43	26°41	5°51	17°56	28°51	29°23	8°50	17°42	T 4
W 5	13 18 3	21°19'43	26°14	21°23	6°46	9°24	16°47	17°44	26°43	5°53	17°56	28°R51	29°19	8°57	17°45	W 5
T 6	13 22 0	22°18'06	8♒14	20°42	7°45	10° 6	16°57	17°46	26°45	5°55	17°57	28°51	29°16	9° 4	17°49	T 6
F 7	13 25 56	23°16'28	20°26	20° 1	8°44	10°49	17° 7	17°47	26°47	5°56	17°57	28°51	29°13	9°11	17°53	F 7
S 8	13 29 53	24°14'49	2♓51	19°21	9°43	11°31	17°18	17°49	26°49	5°58	17°57	28°50	29°10	9°17	17°57	S 8
S 9	13 33 49	25°13'07	15°35	18°43	10°42	12°14	17°29	17°50	26°51	6° 0	17°58	28°49	29° 7	9°24	18° 0	S 9
M10	13 37 46	26°11'24	28°38	18° 7	11°39	12°56	17°39	17°51	26°53	6° 1	17°58	28°49	29° 4	9°31	18° 4	M10
T 11	13 41 42	27° 9'40	12♈ 2	17°33	12°37	13°38	17°50	17°52	26°55	6° 3	17°59	28°49	29° 0	9°37	18° 8	T 11
W12	13 45 39	28° 7'53	25°46	17° 3	13°34	14°20	18° 1	17°53	26°58	6° 4	17°59	28°D49	28°57	9°44	18°11	W12
T 13	13 49 35	29° 6'05	9♉47	16°37	14°30	15° 3	18°12	17°54	27° 0	6° 6	17°59	28°R49	28°54	9°51	18°15	T 13
F 14	13 53 32	0♉ 4'15	24° 1	16°15	15°26	15°45	18°23	17°55	27° 2	6° 7	18° 0	28°49	28°51	9°58	18°19	F 14
S 15	13 57 29	1° 2'24	8♊25	15°56	16°22	16°27	18°34	17°55	27° 5	6° 9	18° 0	28°49	28°48	10° 4	18°22	S 15
S 16	14 1 25	2° 0'30	22°52	15°43	17°16	17° 9	18°46	17°56	27° 7	6°10	18° 1	28°48	28°44	10°11	18°26	S 16
M17	14 5 22	2°58'35	7♋18	15°34	18°11	17°51	18°57	17°56	27° 9	6°12	18° 2	28°48	28°41	10°18	18°29	M17
T 18	14 9 18	3°56'37	21°39	15°D30	19° 4	18°33	19° 8	17°57	27°12	6°13	18° 2	28°48	28°38	10°24	18°33	T 18
W19	14 13 15	4°54'38	5♌52	15°30	19°58	19°15	19°20	17°57	27°14	6°15	18° 3	28°D48	28°35	10°31	18°37	W19
T 20	14 17 11	5°52'36	19°54	15°35	20°50	19°57	19°31	17°57	27°17	6°16	18° 3	28°48	28°32	10°38	18°40	T 20
F 21	14 21 8	6°50'33	3♍43	15°45	21°42	20°38	19°43	17°R57	27°19	6°17	18° 4	28°48	28°29	10°45	18°44	F 21
S 22	14 25 4	7°48'28	17°20	16° 0	22°33	21°20	19°55	17°57	27°22	6°19	18° 5	28°49	28°25	10°51	18°47	S 22
S 23	14 29 1	8°46'20	0♎43	16°18	23°23	22° 2	20° 6	17°57	27°25	6°20	18° 6	28°50	28°22	10°58	18°51	S 23
M24	14 32 57	9°44'12	13°53	16°42	24°13	22°44	20°18	17°57	27°27	6°21	18° 6	28°51	28°19	11° 5	18°54	M24
T 25	14 36 54	10°42'01	26°50	17° 9	25° 2	23°25	20°30	17°56	27°30	6°23	18° 7	28°R51	28°16	11°11	18°58	T 25
W26	14 40 51	11°39'49	9♏33	17°41	25°50	24° 7	20°42	17°56	27°33	6°24	18° 8	28°51	28°13	11°18	19° 1	W26
T 27	14 44 47	12°37'36	22° 4	18°17	26°37	24°48	20°54	17°55	27°36	6°25	18° 9	28°50	28°10	11°25	19° 5	T 27
F 28	14 48 44	13°35'21	4♐24	18°56	27°24	25°30	21° 6	17°55	27°38	6°26	18° 9	28°48	28° 6	11°32	19° 8	F 28
S 29	14 52 40	14°33'05	16°33	19°40	28° 9	26°11	21°18	17°54	27°41	6°27	18°10	28°46	28° 3	11°38	19°12	S 29
S 30	14 56 37	15♉30'47	28♐33	20♈27	28♊54	26♉53	21♊30	17♑53	27♊44	6♓28	18♋11	28♎44	28♎ 0	11♑45	19♈15	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n52	18s29	3n22	11n38	2n30	23n48	3n 4	13n52	0n 7	22n40	0s 9	22s10	0n12	23n45	0n15	10s19	0s56	25n22	3n 3	11s 6	11s21	18s28	8n 8	1n20
S 2	7 15	19 4	4 9	11 14	2 18	24 3	3 7	14 7	0 8	22 41	0 8	22 10	0 12	23 45	0 15	10 18	0 57	25 22	3 3	11 6	11 20	18 28	8 10	1 20
M 3	7 37	18 47	4 44	10 49	2 5	24 17	3 10	14 22	0 8	22 43	0 8	22 10	0 12	23 45	0 15	10 17	0 57	25 22	3 3	11 7	11 19	18 27	8 11	1 20
T 4	7 59	17 41	5 7	10 21	1 52	24 31	3 13	14 36	0 9	22 44	0 8	22 10	0 12	23 45	0 15	10 17	0 57	25 22	3 3	11 7	11 18	18 26	8 12	1 20
W 5	8 21	15 49	5 17	9 52	1 37	24 44	3 15	14 50	0 10	22 45	0 8	22 9	0 12	23 45	0 15	10 16	0 57	25 22	3 3	11 7	11 17	18 25	8 14	1 20
T 6	8 43	13 15	5 13	9 22	1 21	24 57	3 18	15 4	0 10	22 46	0 8	22 9	0 12	23 45	0 15	10 16	0 57	25 22	3 3	11 7	11 16	18 25	8 15	1 20
F 7	9 5	10 5	4 55	8 52	1 5	25 9	3 21	15 18	0 11	22 47	0 8	22 9	0 12	23 45	0 15	10 15	0 57	25 21	3 3	11 7	11 15	18 24	8 16	1 20
S 8	9 26	6 25	4 23	8 21	0 48	25 21	3 23	15 32	0 11	22 48	0 8	22 9	0 12	23 45	0 15	10 14	0 57	25 21	3 3	11 6	11 13	18 23	8 18	1 20
S 9	9 48	2 22	3 37	7 51	0 31	25 32	3 25	15 46	0 12	22 49	0 8	22 9	0 12	23 45	0 15	10 14	0 57	25 21	3 3	11 6	11 12	18 22	8 19	1 20
M10	10 9	1n54	2 40	7 21	0 14	25 42	3 27	15 59	0 13	22 50	0 7	22 9	0 12	23 45	0 15	10 13	0 57	25 21	3 3	11 6	11 11	18 22	8 20	1 20
T 11	10 30	6 11	1 32	6 53	0s 3	25 52	3 29	16 13	0 13	22 52	0 7	22 9	0 12	23 46	0 15	10 13	0 57	25 21	3 3	11 6	11 10	18 21	8 22	1 20
W12	10 51	10 16	0 17	6 26	0 19	26 1	3 31	16 26	0 14	22 53	0 7	22 9	0 12	23 46	0 15	10 12	0 57	25 21	3 3	11 6	11 9	18 20	8 23	1 20
T 13	11 12	13 51	1s 0	6 1	0 36	26 10	3 33	16 39	0 15	22 54	0 7	22 9	0 12	23 46	0 15	10 12	0 57	25 21	3 3	11 6	11 8	18 19	8 25	1 19
F 14	11 33	16 40	2 15	5 37	0 52	26 18	3 35	16 52	0 15	22 55	0 7	22 9	0 12	23 46	0 15	10 11	0 57	25 21	3 3	11 6	11 7	18 19	8 26	1 19
S 15	11 53	18 28	3 22	5 16	1 7	26 26	3 36	17 5	0 16	22 56	0 7	22 9	0 12	23 46	0 15	10 11	0 57	25 21	3 3	11 6	11 6	18 18	8 27	1 19
S 16	12 13	19 4	4 17	4 57	1 22	26 33	3 38	17 17	0 16	22 57	0 7	22 9	0 12	23 46	0 15	10 10	0 57	25 21	3 3	11 6	11 4	18 17	8 29	1 19
M17	12 33	18 26	4 55	4 41	1 35	26 39	3 39	17 30	0 17	22 58	0 7	22 9	0 11	23 46	0 15	10 10	0 57	25 21	3 3	11 6	11 3	18 16	8 30	1 19
T 18	12 53	16 37	5 15	4 27	1 49	26 45	3 40	17 42	0 17	22 59	0 7	22 9	0 11	23 46	0 15	10 9	0 57	25 21	3 3	11 6	11 2	18 15	8 31	1 19
W19	13 13	13 48	5 15	4 16	2 1	26 50	3 41	17 54	0 18	23 0	0 6	22 9	0 11	23 46	0 15	10 9	0 57	25 21	3 3	11 6	11 1	18 15	8 33	1 19
T 20	13 32	10 14	4 56	4 8	2 12	26 55	3 42	18 6	0 19	23 1	0 6	22 9	0 11	23 46	0 15	10 8	0 57	25 20	3 3	11 6	11 0	18 14	8 34	1 19
F 21	13 51	6 9	4 20	4 2	2 23	26 59	3 43	18 18	0 19	23 2	0 6	22 9	0 11	23 46	0 15	10 8	0 57	25 20	3 3	11 6	10 59	18 13	8 35	1 19
S 22	14 10	1 48	3 30	3 59	2 32	27 3	3 43	18 29	0 20	23 3	0 6	22 9	0 11	23 46	0 15	10 7	0 57	25 20	3 3	11 6	10 58	18 12	8 37	1 19
S 23	14 29	2s34	2 30	3 58	2 41	27 6	3 44	18 41	0 20	23 4	0 6	22 9	0 11	23 46	0 15	10 7	0 57	25 20	3 3	11 6	10 56	18 11	8 38	1 19
M24	14 48	6 45	1 22	4 0	2 49	27 9	3 44	18 52	0 21	23 5	0 6	22 9	0 11	23 46	0 15	10 6	0 57	25 20	3 3	11 7	10 55	18 11	8 39	1 19
T 25	15 6	10 34	0 11	4 4	2 55	27 11	3 44	19 3	0 22	23 6	0 6	22 9	0 11	23 46	0 15	10 6	0 57	25 20	3 3	11 7	10 54	18 10	8 40	1 19
W26	15 24	13 48	0n59	4 11	3 1	27 12	3 44	19 14	0 22	23 7	0 6	22 9	0 11	23 46	0 15	10 5	0 57	25 20	3 3	11 7	10 53	18 9	8 42	1 19
T 27	15 42	16 21	2 5	4 19	3 6	27 13	3 43	19 25	0 23	23 8	0 5	22 9	0 11	23 46	0 15	10 5	0 57	25 20	3 3	11 6	10 52	18 8	8 43	1 19
F 28	15 59	18 6	3 4	4 31	3 11	27 14	3 43	19 36	0 23	23 9	0 5	22 10	0 11	23 46	0 15	10 5	0 57	25 20	3 3	11 6	10 51	18 7	8 44	1 19
S 29	16 16	18 59	3 54	4 44	3 14	27 14	3 42	19 46	0 24	23 10	0 5	22 10	0 11	23 46	0 15	10 4	0 57	25 19	3 3	11 5	10 50	18 7	8 46	1 19
S 30	16n33	18s59	4n33	4n59	3s17	27n13	3n41	19n56	0n24	23n11	0s 5	22s10	0n11	23n46	0n15	10s 4	0s58	25n19	3n 3	11s 4	10s48	18s 6	8n47	1n19

Julian Day Number = 2157621.5, Delta T = 13m32s
Ecliptic obliquity = 23°32'30, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'09, Lahiri = 12°38'09 Julian Calendar 1 Apr. 1195 == Greg. Calendar 8 Apr. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

MAY 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 0 33	16♉28'28	10♋28	21♈17	29♊38	27♉34	21♊43	17°R52	27♊47	6♓29	18♋12	28°R41	27♎57	11♋52	19♈19	M 1
T 2	15 4 30	17°26'09	22°21	22°11	0♌21	28°15	21°55	17♋51	27°50	6°30	18°13	28♎39	27°54	11°58	19°22	T 2
W 3	15 8 26	18°23'48	4♒15	23° 9	1° 2	28°57	22° 7	17°50	27°53	6°31	18°14	28°37	27°50	12° 5	19°25	W 3
T 4	15 12 23	19°21'26	16°15	24° 9	1°43	29°38	22°20	17°49	27°56	6°32	18°15	28°D37	27°47	12°12	19°29	T 4
F 5	15 16 20	20°19'03	28°24	25°12	2°23	0♊19	22°32	17°48	27°59	6°33	18°16	28°37	27°44	12°19	19°32	F 5
S 6	15 20 16	21°16'39	10♓49	26°19	3° 1	1° 0	22°45	17°46	28° 2	6°34	18°17	28°38	27°41	12°25	19°35	S 6
S 7	15 24 13	22°14'14	23°32	27°28	3°38	1°41	22°57	17°45	28° 5	6°35	18°18	28°39	27°38	12°32	19°39	S 7
M 8	15 28 9	23°11'48	6♈38	28°41	4°15	2°22	23°10	17°43	28° 8	6°36	18°19	28°41	27°35	12°39	19°42	M 8
T 9	15 32 6	24° 9'21	20° 8	29°56	4°49	3° 3	23°23	17°41	28°11	6°37	18°20	28°42	27°31	12°46	19°45	T 9
W10	15 36 2	25° 6'53	4♉ 3	1♉14	5°23	3°44	23°35	17°40	28°14	6°38	18°21	28°R42	27°28	12°52	19°48	W10
T 11	15 39 59	26° 4'24	18°21	2°34	5°55	4°25	23°48	17°38	28°17	6°38	18°22	28°41	27°25	12°59	19°51	T 11
F 12	15 43 55	27° 1'54	2♊59	3°58	6°26	5° 6	24° 1	17°36	28°21	6°39	18°23	28°38	27°22	13° 6	19°54	F 12
S 13	15 47 52	27°59'23	17°48	5°24	6°55	5°47	24°14	17°34	28°24	6°40	18°24	28°35	27°19	13°12	19°58	S 13
S 14	15 51 49	28°56'51	2♋41	6°52	7°23	6°28	24°27	17°32	28°27	6°40	18°25	28°31	27°16	13°19	20° 1	S 14
M15	15 55 45	29°54'18	17°31	8°24	7°49	7° 9	24°40	17°30	28°30	6°41	18°27	28°27	27°12	13°26	20° 4	M15
T 16	15 59 42	0♊51'44	2♌10	9°57	8°14	7°49	24°53	17°27	28°34	6°42	18°28	28°23	27° 9	13°33	20° 7	T 16
W17	16 3 38	1°49'08	16°32	11°34	8°36	8°30	25° 6	17°25	28°37	6°42	18°29	28°21	27° 6	13°39	20°10	W17
T 18	16 7 35	2°46'31	0♍34	13°13	8°58	9°11	25°19	17°23	28°40	6°43	18°30	28°D20	27° 3	13°46	20°13	T 18
F 19	16 11 31	3°43'53	14°17	14°54	9°17	9°51	25°32	17°20	28°44	6°43	18°31	28°20	27° 0	13°53	20°16	F 19
S 20	16 15 28	4°41'13	27°40	16°38	9°34	10°32	25°45	17°17	28°47	6°44	18°33	28°21	26°56	13°59	20°18	S 20
S 21	16 19 24	5°38'33	10♎45	18°25	9°49	11°12	25°58	17°15	28°50	6°44	18°34	28°23	26°53	14° 6	20°21	S 21
M22	16 23 21	6°35'52	23°35	20°14	10° 3	11°53	26°11	17°12	28°54	6°44	18°35	28°R24	26°50	14°13	20°24	M22
T 23	16 27 18	7°33'09	6♏12	22° 5	10°14	12°33	26°24	17° 9	28°57	6°45	18°37	28°24	26°47	14°20	20°27	T 23
W24	16 31 14	8°30'26	18°38	23°59	10°23	13°14	26°38	17° 6	29° 1	6°45	18°38	28°22	26°44	14°26	20°30	W24
T 25	16 35 11	9°27'42	0♐54	25°55	10°30	13°54	26°51	17° 3	29° 4	6°45	18°39	28°18	26°41	14°33	20°32	T 25
F 26	16 39 7	10°24'57	13° 2	27°54	10°35	14°35	27° 4	17° 0	29° 8	6°46	18°41	28°12	26°37	14°40	20°35	F 26
S 27	16 43 4	11°22'12	25° 4	29°54	10°38	15°15	27°17	16°57	29°11	6°46	18°42	28° 5	26°34	14°46	20°38	S 27
S 28	16 47 0	12°19'26	7♑ 0	1♊57	10°R38	15°55	27°31	16°54	29°15	6°46	18°43	27°57	26°31	14°53	20°40	S 28
M29	16 50 57	13°16'40	18°54	4° 1	10°36	16°35	27°44	16°51	29°18	6°46	18°45	27°49	26°28	15° 0	20°43	M29
T 30	16 54 54	14°13'53	0♒46	6° 8	10°31	17°16	27°57	16°47	29°22	6°47	18°46	27°41	26°25	15° 7	20°45	T 30
W31	16 58 50	15♊11'06	12♒40	8♊15	10♋24	17♊56	28♊11	16♑44	29♊25	6♓47	18♋48	27♎35	26♎21	15♑13	20♈48	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n50	18s 9	4n59	5n16	3s18	27n12	3n40	20n 6	0n25	23n12	0s 5	22s10	0n11	23n47	0n15	10s 4	0s58	25n19	3n 3	11s 3	10s47	18s 5	8n48	1n19
T 2	17 6	16 32	5 13	5 35	3 19	27 11	3 38	20 16	0 25	23 13	0 5	22 10	0 11	23 47	0 15	10 3	0 58	25 19	3 3	11 2	10 46	18 4	8 49	1 19
W 3	17 23	14 12	5 14	5 56	3 20	27 9	3 37	20 26	0 26	23 14	0 5	22 10	0 10	23 47	0 15	10 3	0 58	25 19	3 3	11 2	10 45	18 3	8 51	1 19
T 4	17 39	11 15	5 0	6 19	3 19	27 6	3 35	20 35	0 27	23 14	0 5	22 11	0 10	23 47	0 15	10 3	0 58	25 19	3 3	11 2	10 44	18 3	8 52	1 19
F 5	17 54	7 48	4 34	6 43	3 18	27 4	3 32	20 45	0 27	23 15	0 5	22 11	0 10	23 47	0 15	10 2	0 58	25 19	3 3	11 2	10 43	18 2	8 53	1 19
S 6	18 9	3 56	3 54	7 9	3 16	27 0	3 30	20 54	0 28	23 16	0 4	22 11	0 10	23 47	0 15	10 2	0 58	25 19	3 3	11 2	10 42	18 1	8 54	1 19
S 7	18 24	0n12	3 1	7 37	3 13	26 57	3 27	21 3	0 28	23 17	0 4	22 11	0 10	23 47	0 15	10 2	0 58	25 18	3 3	11 3	10 40	18 0	8 56	1 18
M 8	18 39	4 27	1 58	8 5	3 10	26 53	3 24	21 12	0 29	23 18	0 4	22 12	0 10	23 47	0 15	10 1	0 58	25 18	3 3	11 3	10 39	17 59	8 57	1 18
T 9	18 53	8 38	0 47	8 35	3 6	26 48	3 21	21 20	0 29	23 18	0 4	22 12	0 10	23 47	0 15	10 1	0 58	25 18	3 3	11 3	10 38	17 58	8 58	1 18
W10	19 8	12 28	0s29	9 7	3 2	26 43	3 18	21 29	0 30	23 19	0 4	22 12	0 10	23 47	0 15	10 1	0 58	25 18	3 3	11 3	10 37	17 57	8 59	1 18
T 11	19 21	15 40	1 46	9 39	2 57	26 38	3 14	21 37	0 30	23 20	0 4	22 13	0 10	23 47	0 15	10 1	0 58	25 18	3 3	11 3	10 36	17 57	9 0	1 18
F 12	19 35	17 57	2 57	10 13	2 51	26 33	3 10	21 45	0 31	23 20	0 4	22 13	0 10	23 47	0 15	10 0	0 58	25 18	3 3	11 2	10 35	17 56	9 1	1 18
S 13	19 48	19 3	3 57	10 47	2 45	26 27	3 5	21 53	0 31	23 21	0 4	22 13	0 10	23 47	0 15	10 0	0 58	25 18	3 3	11 1	10 34	17 55	9 3	1 18
S 14	20 1	18 50	4 41	11 23	2 38	26 20	3 1	22 0	0 32	23 22	0 4	22 14	0 10	23 47	0 15	10 0	0 58	25 17	3 3	10 59	10 32	17 54	9 4	1 18
M15	20 13	17 19	5 7	11 59	2 31	26 14	2 56	22 8	0 32	23 22	0 4	22 14	0 10	23 47	0 15	10 0	0 58	25 17	3 3	10 58	10 31	17 53	9 5	1 18
T 16	20 25	14 42	5 12	12 36	2 23	26 7	2 50	22 15	0 33	23 23	0 3	22 14	0 10	23 47	0 15	10 0	0 58	25 17	3 3	10 57	10 30	17 52	9 6	1 18
W17	20 37	11 14	4 57	13 14	2 15	26 0	2 44	22 22	0 33	23 24	0 3	22 15	0 9	23 47	0 15	9 59	0 58	25 17	3 3	10 56	10 29	17 51	9 7	1 18
T 18	20 48	7 12	4 24	13 52	2 6	25 52	2 38	22 29	0 34	23 24	0 3	22 15	0 9	23 47	0 15	9 59	0 58	25 17	3 3	10 56	10 28	17 51	9 8	1 18
F 19	20 59	2 52	3 37	14 31	1 57	25 44	2 32	22 35	0 34	23 25	0 3	22 16	0 9	23 47	0 15	9 59	0 58	25 17	3 3	10 56	10 27	17 50	9 9	1 18
S 20	21 10	1s30	2 40	15 10	1 47	25 36	2 25	22 42	0 35	23 25	0 3	22 16	0 9	23 47	0 15	9 59	0 58	25 16	3 3	10 56	10 26	17 49	9 10	1 18
S 21	21 20	5 43	1 35	15 49	1 37	25 28	2 18	22 48	0 35	23 26	0 3	22 16	0 9	23 47	0 15	9 59	0 58	25 16	3 3	10 57	10 24	17 48	9 12	1 18
M22	21 30	9 36	0 26	16 29	1 27	25 19	2 10	22 54	0 36	23 26	0 3	22 17	0 9	23 47	0 15	9 59	0 58	25 16	3 3	10 57	10 23	17 47	9 13	1 18
T 23	21 40	12 59	0n42	17 8	1 17	25 10	2 2	23 0	0 36	23 27	0 3	22 17	0 9	23 47	0 15	9 59	0 58	25 16	3 3	10 57	10 22	17 46	9 14	1 18
W24	21 49	15 43	1 48	17 47	1 6	25 1	1 54	23 6	0 37	23 27	0 3	22 18	0 9	23 47	0 15	9 59	0 59	25 16	3 3	10 56	10 21	17 45	9 15	1 18
T 25	21 58	17 42	2 47	18 25	0 55	24 52	1 45	23 11	0 37	23 28	0 3	22 18	0 9	23 47	0 15	9 58	0 59	25 16	3 3	10 55	10 20	17 44	9 16	1 18
F 26	22 6	18 51	3 38	19 3	0 44	24 42	1 36	23 16	0 38	23 28	0 2	22 19	0 9	23 48	0 15	9 58	0 59	25 15	3 3	10 53	10 19	17 44	9 17	1 18
S 27	22 14	19 8	4 19	19 41	0 33	24 33	1 26	23 21	0 38	23 28	0 2	22 19	0 9	23 48	0 15	9 58	0 59	25 15	3 3	10 50	10 17	17 43	9 18	1 18
S 28	22 22	18 34	4 48	20 17	0 22	24 23	1 16	23 26	0 39	23 29	0 2	22 20	0 9	23 48	0 15	9 58	0 59	25 15	3 3	10 47	10 16	17 42	9 19	1 18
M29	22 29	17 11	5 4	20 52	0 11	24 12	1 5	23 31	0 39	23 29	0 2	22 20	0 9	23 48	0 15	9 58	0 59	25 15	3 3	10 45	10 15	17 41	9 20	1 18
T 30	22 36	15 4	5 7	21 25	0n 0	24 2	0 55	23 35	0 40	23 30	0 2	22 21	0 8	23 48	0 15	9 58	0 59	25 15	3 3	10 42	10 14	17 40	9 21	1 18
W31	22n43	12s20	4n57	21n57	0n11	23n51	0n43	23n39	0n40	23n30	0s 2	22s21	0n 8	23n48	0n15	9s58	0s59	25n15	3n 3	10s40	10s13	17s39	9n21	1n18

Julian Day Number = 2157651.5, Delta T = 13m32s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'13, Lahiri = 12°38'13 Julian Calendar 1 May 1195 == Greg. Calendar 8 May 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

JUNE 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 47	16♊ 8'19	24♒38	10♊24	10°R15	18♊36	28♊24	16°R41	29♊29	6♓47	18♋49	27°R31	26♎18	15♑20	20♈50	T 1
F 2	17 6 43	17° 5'31	6♓46	12°34	10♋ 3	19°16	28°38	16♑37	29°32	6°47	18°50	27♎29	26°15	15°27	20°53	F 2
S 3	17 10 40	18° 2'44	19° 8	14°45	9°49	19°56	28°51	16°33	29°36	6°R47	18°52	27°D28	26°12	15°34	20°55	S 3
S 4	17 14 36	18°59'56	1♈47	16°56	9°32	20°36	29° 4	16°30	29°39	6°47	18°53	27°28	26° 9	15°40	20°57	S 4
M 5	17 18 33	19°57'08	14°49	19° 8	9°14	21°16	29°18	16°26	29°43	6°47	18°55	27°30	26° 6	15°47	21° 0	M 5
T 6	17 22 29	20°54'20	28°17	21°19	8°53	21°56	29°31	16°22	29°47	6°47	18°56	27°R30	26° 2	15°54	21° 2	T 6
W 7	17 26 26	21°51'32	12♉13	23°30	8°30	22°36	29°45	16°19	29°50	6°47	18°58	27°29	25°59	16° 0	21° 4	W 7
T 8	17 30 23	22°48'44	26°37	25°40	8° 4	23°16	29°58	16°15	29°54	6°46	18°59	27°26	25°56	16° 7	21° 6	T 8
F 9	17 34 19	23°45'56	11♊25	27°50	7°37	23°56	0♋12	16°11	29°57	6°46	19° 1	27°21	25°53	16°14	21° 8	F 9
S 10	17 38 16	24°43'08	26°30	29°58	7° 8	24°35	0°25	16° 7	0♋ 1	6°46	19° 2	27°14	25°50	16°21	21°10	S 10
S 11	17 42 12	25°40'20	11♋43	2♋ 5	6°37	25°15	0°39	16° 3	0° 5	6°46	19° 4	27° 5	25°47	16°27	21°13	S 11
M12	17 46 9	26°37'31	26°52	4°11	6° 5	25°55	0°53	15°59	0° 8	6°45	19° 6	26°57	25°43	16°34	21°14	M12
T 13	17 50 5	27°34'43	11♌49	6°16	5°31	26°35	1° 6	15°55	0°12	6°45	19° 7	26°49	25°40	16°41	21°16	T 13
W14	17 54 2	28°31'54	26°26	8°18	4°56	27°14	1°20	15°51	0°15	6°45	19° 9	26°43	25°37	16°47	21°18	W14
T 15	17 57 58	29°29'04	10♍37	10°19	4°21	27°54	1°33	15°47	0°19	6°44	19°10	26°40	25°34	16°54	21°20	T 15
F 16	18 1 55	0♋26'14	24°22	12°18	3°44	28°34	1°47	15°42	0°23	6°44	19°12	26°38	25°31	17° 1	21°22	F 16
S 17	18 5 52	1°23'25	7♎42	14°15	3° 7	29°13	2° 0	15°38	0°26	6°44	19°13	26°D38	25°27	17° 8	21°24	S 17
S 18	18 9 48	2°20'34	20°39	16°11	2°29	29°53	2°14	15°34	0°30	6°43	19°15	26°R39	25°24	17°14	21°25	S 18
M19	18 13 45	3°17'44	3♏18	18° 4	1°52	0♋32	2°27	15°30	0°34	6°43	19°17	26°39	25°21	17°21	21°27	M19
T 20	18 17 41	4°14'54	15°42	19°56	1°14	1°12	2°41	15°25	0°37	6°42	19°18	26°37	25°18	17°28	21°29	T 20
W21	18 21 38	5°12'03	27°55	21°45	0°38	1°51	2°54	15°21	0°41	6°42	19°20	26°33	25°15	17°35	21°30	W21
T 22	18 25 34	6° 9'13	10♐ 0	23°33	0° 1	2°31	3° 8	15°17	0°44	6°41	19°22	26°26	25°12	17°41	21°32	T 22
F 23	18 29 31	7° 6'23	22° 0	25°18	29♊26	3°10	3°22	15°12	0°48	6°40	19°23	26°17	25° 8	17°48	21°33	F 23
S 24	18 33 27	8° 3'33	3♑55	27° 2	28°52	3°49	3°35	15° 8	0°52	6°40	19°25	26° 6	25° 5	17°55	21°35	S 24
S 25	18 37 24	9° 0'43	15°49	28°43	28°19	4°29	3°49	15° 4	0°55	6°39	19°26	25°53	25° 2	18° 1	21°36	S 25
M26	18 41 21	9°57'54	27°41	0♌23	27°47	5° 8	4° 2	14°59	0°59	6°38	19°28	25°40	24°59	18° 8	21°37	M26
T 27	18 45 17	10°55'05	9♒35	2° 1	27°18	5°47	4°16	14°55	1° 2	6°38	19°30	25°28	24°56	18°15	21°38	T 27
W28	18 49 14	11°52'17	21°30	3°37	26°50	6°26	4°29	14°50	1° 6	6°37	19°31	25°18	24°53	18°22	21°40	W28
T 29	18 53 10	12°49'29	3♓31	5°10	26°24	7° 6	4°43	14°46	1°10	6°36	19°33	25°10	24°49	18°28	21°41	T 29
F 30	18 57 7	13♋46'42	15♓41	6♌42	26♊ 0	7♋45	4♋56	14♑41	1♋13	6♓35	19♋35	25♎ 4	24♎46	18♑35	21♈42	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	9s 3	4n34	22n27	0n21	23n40	0n32	23n43	0n41	23n30	0s 2	22s22	0n 8	23n48	0n15	9s58	0s59	25n14	3n 3	10s38	10s12	17s38	9n22	1n18
F 2	22 55	5 22	3 59	22 55	0 32	23 29	0 20	23 47	0 41	23 30	0 2	22 22	0 8	23 48	0 15	9 58	0 59	25 14	3 3	10 37	10 11	17 37	9 23	1 18
S 3	23 0	1 23	3 11	23 21	0 42	23 18	0 7	23 51	0 42	23 31	0 2	22 23	0 8	23 48	0 15	9 58	0 59	25 14	3 3	10 37	10 9	17 36	9 24	1 18
S 4	23 5	2n45	2 14	23 44	0 51	23 6	0s 5	23 54	0 42	23 31	0 2	22 23	0 8	23 48	0 15	9 58	0 59	25 14	3 3	10 37	10 8	17 35	9 25	1 18
M 5	23 10	6 54	1 8	24 5	1 0	22 55	0 19	23 58	0 42	23 31	0 1	22 24	0 8	23 48	0 15	9 58	0 59	25 14	3 3	10 37	10 7	17 34	9 26	1 18
T 6	23 14	10 51	0s 4	24 23	1 8	22 43	0 32	24 1	0 43	23 31	0 1	22 24	0 8	23 48	0 15	9 58	0 59	25 13	3 3	10 38	10 6	17 34	9 27	1 18
W 7	23 17	14 20	1 18	24 39	1 16	22 31	0 45	24 3	0 43	23 31	0 1	22 25	0 8	23 48	0 15	9 59	0 59	25 13	3 4	10 37	10 5	17 33	9 28	1 18
T 8	23 21	17 3	2 30	24 51	1 23	22 19	0 59	24 6	0 44	23 31	0 1	22 25	0 8	23 48	0 15	9 59	0 59	25 13	3 4	10 36	10 4	17 32	9 28	1 18
F 9	23 24	18 44	3 33	25 1	1 29	22 6	1 13	24 8	0 44	23 31	0 1	22 26	0 8	23 48	0 15	9 59	0 59	25 13	3 4	10 34	10 2	17 31	9 29	1 18
S 10	23 26	19 8	4 22	25 7	1 35	21 54	1 27	24 10	0 45	23 32	0 1	22 26	0 8	23 48	0 15	9 59	0 59	25 13	3 4	10 32	10 1	17 30	9 30	1 18
S 11	23 28	18 9	4 54	25 11	1 40	21 41	1 41	24 12	0 45	23 32	0 1	22 27	0 7	23 48	0 15	9 59	0 59	25 12	3 4	10 29	10 0	17 29	9 31	1 18
M12	23 30	15 53	5 4	25 12	1 44	21 29	1 56	24 14	0 46	23 32	0 1	22 27	0 7	23 48	0 15	9 59	0 59	25 12	3 4	10 26	9 59	17 28	9 31	1 18
T 13	23 31	12 36	4 54	25 11	1 47	21 16	2 10	24 16	0 46	23 32	0 1	22 28	0 7	23 48	0 15	9 59	0 59	25 12	3 4	10 23	9 58	17 27	9 32	1 18
W14	23 32	8 36	4 25	25 7	1 50	21 3	2 24	24 17	0 46	23 32	0 1	22 29	0 7	23 48	0 15	9 59	0 59	25 12	3 4	10 21	9 57	17 26	9 33	1 18
T 15	23 32	4 14	3 40	25 0	1 52	20 50	2 38	24 18	0 47	23 32	0 0	22 29	0 7	23 48	0 15	10 0	0 59	25 12	3 4	10 20	9 55	17 25	9 34	1 18
F 16	23 32	0s15	2 43	24 51	1 53	20 38	2 52	24 19	0 47	23 31	0 0	22 30	0 7	23 48	0 15	10 0	0 59	25 12	3 4	10 19	9 54	17 24	9 34	1 18
S 17	23 32	4 35	1 39	24 40	1 54	20 25	3 5	24 20	0 48	23 31	0 0	22 30	0 7	23 48	0 15	10 0	1 0	25 11	3 4	10 19	9 53	17 23	9 35	1 18
S 18	23 31	8 35	0 32	24 26	1 54	20 13	3 18	24 21	0 48	23 31	0 0	22 31	0 7	23 48	0 15	10 0	1 0	25 11	3 4	10 19	9 52	17 22	9 36	1 18
M19	23 30	12 7	0n35	24 11	1 53	20 1	3 31	24 21	0 49	23 31	0 0	22 31	0 7	23 48	0 15	10 0	1 0	25 11	3 4	10 19	9 51	17 21	9 36	1 18
T 20	23 28	15 1	1 40	23 54	1 52	19 49	3 44	24 21	0 49	23 31	0n 0	22 32	0 7	23 48	0 15	10 1	1 0	25 11	3 4	10 19	9 50	17 20	9 37	1 18
W21	23 26	17 13	2 38	23 35	1 50	19 37	3 56	24 21	0 49	23 31	0 0	22 33	0 7	23 48	0 15	10 1	1 0	25 11	3 4	10 17	9 48	17 19	9 37	1 18
T 22	23 24	18 36	3 29	23 14	1 47	19 25	4 7	24 21	0 50	23 31	0 0	22 33	0 7	23 48	0 15	10 1	1 0	25 10	3 4	10 15	9 47	17 18	9 38	1 18
F 23	23 21	19 9	4 9	22 52	1 44	19 14	4 18	24 20	0 50	23 30	0 0	22 34	0 6	23 48	0 15	10 1	1 0	25 10	3 4	10 11	9 46	17 17	9 38	1 18
S 24	23 18	18 50	4 39	22 29	1 40	19 4	4 28	24 20	0 51	23 30	0 0	22 34	0 6	23 48	0 15	10 2	1 0	25 10	3 4	10 7	9 45	17 17	9 39	1 18
S 25	23 14	17 42	4 56	22 4	1 36	18 54	4 38	24 19	0 51	23 30	0 1	22 35	0 6	23 48	0 15	10 2	1 0	25 10	3 4	10 3	9 44	17 16	9 39	1 18
M26	23 10	15 48	5 1	21 38	1 31	18 44	4 47	24 18	0 51	23 29	0 1	22 36	0 6	23 48	0 15	10 2	1 0	25 10	3 4	9 58	9 43	17 15	9 40	1 18
T 27	23 5	13 14	4 52	21 11	1 25	18 35	4 56	24 17	0 52	23 29	0 1	22 36	0 6	23 48	0 15	10 3	1 0	25 9	3 4	9 53	9 41	17 14	9 40	1 18
W28	23 1	10 7	4 30	20 43	1 20	18 26	5 4	24 15	0 52	23 29	0 1	22 37	0 6	23 48	0 15	10 3	1 0	25 9	3 4	9 50	9 40	17 13	9 41	1 18
T 29	22 55	6 35	3 57	20 14	1 13	18 18	5 11	24 13	0 53	23 28	0 1	22 37	0 6	23 48	0 15	10 3	1 0	25 9	3 4	9 47	9 39	17 12	9 41	1 18
F 30	22n49	2s43	3n12	19n45	1n 6	18n11	5s18	24n12	0n53	23n28	0n 1	22s38	0n 6	23n48	0n16	10s 4	1s 0	25n 9	3n 5	9s45	9s38	17s11	9n42	1n18

Julian Day Number = 2157682.5, Delta T = 13m31s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'17, Lahiri = 12°38'18 Julian Calendar 1 June 1195 == Greg. Calendar 8 June 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

JULY 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 1 3	14♋43'55	28♓ 2	8♌12	25°R38	8♋24	5♋ 9	14°R37	1♋17	6°R34	19♋36	25°R 1	24♎43	18♑42	21♈43	S 1
S 2	19 5 0	15°41'10	10♈39	9°40	25♊19	9° 3	5°23	14♑33	1°20	6♓34	19°38	25♎ 0	24°40	18°49	21°44	S 2
M 3	19 8 56	16°38'25	23°36	11° 6	25° 2	9°42	5°36	14°28	1°24	6°33	19°40	25° 0	24°37	18°55	21°45	M 3
T 4	19 12 53	17°35'41	6♉58	12°30	24°47	10°21	5°50	14°24	1°27	6°32	19°41	25° 0	24°33	19° 2	21°46	T 4
W 5	19 16 50	18°32'58	20°48	13°51	24°34	11° 0	6° 3	14°19	1°31	6°31	19°43	24°58	24°30	19° 9	21°47	W 5
T 6	19 20 46	19°30'16	5♊ 6	15°11	24°24	11°39	6°16	14°15	1°34	6°30	19°45	24°54	24°27	19°15	21°47	T 6
F 7	19 24 43	20°27'35	19°50	16°28	24°17	12°18	6°30	14°10	1°38	6°29	19°46	24°48	24°24	19°22	21°48	F 7
S 8	19 28 39	21°24'55	4♋56	17°43	24°12	12°57	6°43	14° 6	1°41	6°28	19°48	24°39	24°21	19°29	21°49	S 8
S 9	19 32 36	22°22'16	20°13	18°56	24° 9	13°36	6°56	14° 2	1°45	6°27	19°50	24°28	24°18	19°36	21°49	S 9
M10	19 36 32	23°19'38	5♌32	20° 7	24°D 8	14°15	7°10	13°57	1°48	6°26	19°51	24°18	24°14	19°42	21°50	M10
T 11	19 40 29	24°17'00	20°39	21°15	24°10	14°54	7°23	13°53	1°52	6°25	19°53	24° 8	24°11	19°49	21°50	T 11
W12	19 44 25	25°14'23	5♍27	22°21	24°14	15°33	7°36	13°49	1°55	6°23	19°55	24° 0	24° 8	19°56	21°51	W12
T 13	19 48 22	26°11'46	19°48	23°24	24°20	16°12	7°49	13°44	1°58	6°22	19°56	23°55	24° 5	20° 2	21°51	T 13
F 14	19 52 19	27° 9'10	3♎40	24°24	24°29	16°51	8° 2	13°40	2° 2	6°21	19°58	23°52	24° 2	20° 9	21°52	F 14
S 15	19 56 15	28° 6'35	17° 4	25°22	24°39	17°30	8°15	13°36	2° 5	6°20	20° 0	23°51	23°59	20°16	21°52	S 15
S 16	20 0 12	29° 4'01	0♏ 2	26°16	24°52	18° 8	8°28	13°32	2° 8	6°19	20° 1	23°51	23°55	20°23	21°52	S 16
M17	20 4 8	0♌ 1'27	12°38	27° 8	25° 6	18°47	8°42	13°27	2°12	6°17	20° 3	23°51	23°52	20°29	21°52	M17
T 18	20 8 5	0°58'54	24°58	27°56	25°23	19°26	8°55	13°23	2°15	6°16	20° 5	23°49	23°49	20°36	21°53	T 18
W19	20 12 1	1°56'22	7♐ 5	28°41	25°41	20° 4	9° 8	13°19	2°18	6°15	20° 6	23°45	23°46	20°43	21°53	W19
T 20	20 15 58	2°53'51	19° 4	29°22	26° 1	20°43	9°20	13°15	2°22	6°14	20° 8	23°38	23°43	20°50	21°R53	T 20
F 21	20 19 54	3°51'20	0♑58	29°59	26°23	21°22	9°33	13°11	2°25	6°12	20°10	23°28	23°39	20°56	21°53	F 21
S 22	20 23 51	4°48'51	12°51	0♒33	26°47	22° 0	9°46	13° 7	2°28	6°11	20°11	23°17	23°36	21° 3	21°52	S 22
S 23	20 27 48	5°46'23	24°43	1° 3	27°12	22°39	9°59	13° 3	2°31	6°10	20°13	23° 3	23°33	21°10	21°52	S 23
M24	20 31 44	6°43'56	6♒38	1°28	27°39	23°18	10°12	12°59	2°34	6° 8	20°15	22°50	23°30	21°16	21°52	M24
T 25	20 35 41	7°41'30	18°36	1°48	28° 8	23°56	10°24	12°55	2°37	6° 7	20°16	22°37	23°27	21°23	21°52	T 25
W26	20 39 37	8°39'05	0♓38	2° 4	28°38	24°35	10°37	12°52	2°41	6° 5	20°18	22°27	23°24	21°30	21°52	W26
T 27	20 43 34	9°36'42	12°46	2°14	29° 9	25°13	10°50	12°48	2°44	6° 4	20°19	22°18	23°20	21°37	21°51	T 27
F 28	20 47 30	10°34'20	25° 2	2°20	29°42	25°52	11° 2	12°44	2°47	6° 3	20°21	22°13	23°17	21°43	21°51	F 28
S 29	20 51 27	11°31'59	7♈29	2°R20	0♋16	26°30	11°15	12°41	2°50	6° 1	20°23	22°10	23°14	21°50	21°50	S 29
S 30	20 55 23	12°29'40	20°10	2°15	0°52	27° 8	11°27	12°37	2°53	6° 0	20°24	22°D 9	23°11	21°57	21°50	S 30
M31	20 59 20	13♌27'23	3♉ 8	2♍ 4	1♋28	27♋47	11♋40	12♑34	2♋56	5♓58	20♋26	22♎ 9	23♎ 8	22♑ 4	21♈49	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n43	1n19	2n18	19n15	0n59	18n 4	5s24	24n10	0n53	23n28	0n 1	22s38	0n 6	23n48	0n16	10s 4	1s 0	25n 9	3n 5	9s44	9s37	17s10	9n42	1n18
S 2	22 37	5 23	1 15	18 44	0 52	17 58	5 29	24 7	0 54	23 27	0 1	22 39	0 6	23 48	0 16	10 4	1 0	25 9	3 5	9 43	9 36	17 9	9 43	1 18
M 3	22 30	9 19	0 7	18 13	0 44	17 53	5 34	24 5	0 54	23 27	0 1	22 40	0 6	23 48	0 16	10 5	1 0	25 8	3 5	9 43	9 34	17 8	9 43	1 18
T 4	22 23	12 55	1s 3	17 41	0 35	17 48	5 38	24 2	0 54	23 26	0 1	22 40	0 5	23 48	0 16	10 5	1 0	25 8	3 5	9 43	9 33	17 7	9 43	1 18
W 5	22 15	15 55	2 12	17 10	0 26	17 44	5 42	24 0	0 55	23 26	0 2	22 41	0 5	23 48	0 16	10 5	1 0	25 8	3 5	9 43	9 32	17 6	9 44	1 18
T 6	22 7	18 3	3 15	16 38	0 17	17 41	5 45	23 57	0 55	23 25	0 2	22 41	0 5	23 47	0 16	10 6	1 0	25 8	3 5	9 41	9 31	17 5	9 44	1 18
F 7	21 59	19 3	4 7	16 6	0 8	17 38	5 48	23 53	0 56	23 25	0 2	22 42	0 5	23 47	0 16	10 6	1 0	25 8	3 5	9 39	9 30	17 4	9 44	1 18
S 8	21 50	18 44	4 43	15 33	0s 2	17 36	5 50	23 50	0 56	23 24	0 2	22 42	0 5	23 47	0 16	10 7	1 0	25 7	3 5	9 35	9 29	17 3	9 44	1 18
S 9	21 41	17 4	5 0	15 1	0 12	17 34	5 51	23 47	0 56	23 23	0 2	22 43	0 5	23 47	0 16	10 7	1 0	25 7	3 5	9 31	9 27	17 2	9 45	1 18
M10	21 31	14 12	4 55	14 29	0 22	17 33	5 52	23 43	0 57	23 23	0 2	22 43	0 5	23 47	0 16	10 8	1 0	25 7	3 5	9 27	9 26	17 1	9 45	1 18
T 11	21 21	10 25	4 29	13 58	0 33	17 32	5 53	23 39	0 57	23 22	0 2	22 44	0 5	23 47	0 16	10 8	1 0	25 7	3 5	9 24	9 25	17 0	9 45	1 18
W12	21 11	6 3	3 46	13 26	0 44	17 32	5 53	23 35	0 57	23 22	0 2	22 45	0 5	23 47	0 16	10 8	1 0	25 7	3 5	9 21	9 24	16 59	9 45	1 18
T 13	21 0	1 28	2 49	12 55	0 55	17 33	5 53	23 31	0 58	23 21	0 2	22 45	0 5	23 47	0 16	10 9	1 0	25 7	3 5	9 19	9 23	16 58	9 45	1 18
F 14	20 49	3s 4	1 45	12 25	1 6	17 34	5 52	23 26	0 58	23 20	0 2	22 46	0 5	23 47	0 16	10 9	1 1	25 6	3 5	9 18	9 22	16 57	9 45	1 18
S 15	20 38	7 17	0 36	11 55	1 17	17 35	5 51	23 21	0 58	23 20	0 3	22 46	0 4	23 47	0 16	10 10	1 1	25 6	3 6	9 18	9 20	16 56	9 46	1 18
S 16	20 26	11 1	0n33	11 25	1 29	17 37	5 50	23 17	0 59	23 19	0 3	22 47	0 4	23 47	0 16	10 10	1 1	25 6	3 6	9 18	9 19	16 55	9 46	1 18
M17	20 14	14 9	1 38	10 57	1 41	17 39	5 48	23 12	0 59	23 18	0 3	22 47	0 4	23 47	0 16	10 11	1 1	25 6	3 6	9 17	9 18	16 53	9 46	1 18
T 18	20 1	16 33	2 37	10 29	1 52	17 42	5 46	23 6	0 59	23 17	0 3	22 48	0 4	23 47	0 16	10 11	1 1	25 6	3 6	9 17	9 17	16 52	9 46	1 18
W19	19 49	18 11	3 27	10 3	2 4	17 44	5 44	23 1	1 0	23 17	0 3	22 48	0 4	23 47	0 16	10 12	1 1	25 5	3 6	9 15	9 16	16 51	9 46	1 18
T 20	19 36	18 58	4 8	9 37	2 16	17 47	5 42	22 56	1 0	23 16	0 3	22 49	0 4	23 47	0 16	10 12	1 1	25 5	3 6	9 13	9 15	16 50	9 46	1 18
F 21	19 22	18 54	4 38	9 13	2 28	17 51	5 39	22 50	1 1	23 15	0 3	22 49	0 4	23 47	0 16	10 13	1 1	25 5	3 6	9 9	9 13	16 49	9 46	1 18
S 22	19 9	18 1	4 55	8 50	2 40	17 54	5 36	22 44	1 1	23 14	0 3	22 50	0 4	23 47	0 16	10 13	1 1	25 5	3 6	9 5	9 12	16 48	9 46	1 18
S 23	18 55	16 21	5 0	8 29	2 51	17 58	5 33	22 38	1 1	23 13	0 3	22 50	0 4	23 47	0 16	10 14	1 1	25 5	3 6	9 0	9 11	16 47	9 46	1 18
M24	18 40	13 59	4 52	8 9	3 3	18 2	5 29	22 32	1 1	23 12	0 3	22 51	0 4	23 47	0 16	10 14	1 1	25 5	3 6	8 55	9 10	16 46	9 46	1 18
T 25	18 25	11 2	4 31	7 51	3 14	18 6	5 26	22 26	1 2	23 11	0 4	22 51	0 4	23 47	0 16	10 15	1 1	25 5	3 6	8 50	9 9	16 45	9 46	1 18
W26	18 11	7 36	3 57	7 35	3 25	18 10	5 22	22 19	1 2	23 11	0 4	22 52	0 3	23 47	0 16	10 16	1 1	25 4	3 6	8 46	9 7	16 44	9 45	1 18
T 27	17 55	3 50	3 13	7 22	3 36	18 14	5 18	22 12	1 2	23 10	0 4	22 52	0 3	23 47	0 16	10 16	1 1	25 4	3 7	8 43	9 6	16 43	9 45	1 18
F 28	17 40	0n 8	2 19	7 10	3 46	18 19	5 14	22 6	1 3	23 9	0 4	22 52	0 3	23 47	0 16	10 17	1 1	25 4	3 7	8 41	9 5	16 42	9 45	1 18
S 29	17 24	4 10	1 17	7 1	3 56	18 23	5 10	21 59	1 3	23 8	0 4	22 53	0 3	23 47	0 16	10 17	1 1	25 4	3 7	8 40	9 4	16 41	9 45	1 18
S 30	17 8	8 5	0 11	6 55	4 5	18 27	5 5	21 51	1 3	23 7	0 4	22 53	0 3	23 47	0 16	10 18	1 1	25 4	3 7	8 40	9 3	16 40	9 45	1 18
M31	16n51	11n42	0s58	6n51	4s13	18n31	5s 1	21n44	1n 4	23n 6	0n 4	22s54	0n 3	23n46	0n16	10s18	1s 1	25n 4	3n 7	8s40	9s 2	16s39	9n45	1n18

Julian Day Number = 2157712.5, Delta T = 13m31s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'21, Lahiri = 12°38'22 Julian Calendar 1 July 1195 == Greg. Calendar 8 July 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

AUGUST 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 3 17	14♌25'08	16♉27	1°R47	2♋ 6	28♋25	11♋52	12°R30	2♋59	5°R57	20♋27	22°R 9	23♎ 5	22♑10	21°R48	T 1
W 2	21 7 13	15°22'54	0♊ 9	1♍24	2°45	29° 4	12° 5	12♑27	3° 1	5♓55	20°29	22♎ 8	23° 1	22°17	21♈48	W 2
T 3	21 11 10	16°20'42	14°16	0°56	3°25	29°42	12°17	12°23	3° 4	5°54	20°30	22° 6	22°58	22°24	21°47	T 3
F 4	21 15 6	17°18'32	28°48	0°23	4° 7	0♌20	12°29	12°20	3° 7	5°52	20°32	22° 0	22°55	22°30	21°46	F 4
S 5	21 19 3	18°16'24	13♋40	29♌44	4°49	0°59	12°41	12°17	3°10	5°50	20°33	21°53	22°52	22°37	21°45	S 5
S 6	21 22 59	19°14'17	28°46	29° 0	5°32	1°37	12°53	12°14	3°13	5°49	20°35	21°44	22°49	22°44	21°44	S 6
M 7	21 26 56	20°12'12	13♌56	28°13	6°16	2°15	13° 5	12°11	3°16	5°47	20°36	21°35	22°45	22°51	21°44	M 7
T 8	21 30 52	21°10'09	29° 1	27°22	7° 2	2°54	13°17	12° 8	3°18	5°46	20°38	21°26	22°42	22°57	21°43	T 8
W 9	21 34 49	22° 8'07	13♍49	26°28	7°48	3°32	13°29	12° 5	3°21	5°44	20°39	21°20	22°39	23° 4	21°41	W 9
T 10	21 38 46	23° 6'06	28°14	25°33	8°34	4°10	13°41	12° 2	3°24	5°43	20°41	21°15	22°36	23°11	21°40	T 10
F 11	21 42 42	24° 4'07	12♎11	24°37	9°22	4°48	13°53	11°59	3°26	5°41	20°42	21°13	22°33	23°17	21°39	F 11
S 12	21 46 39	25° 2'09	25°40	23°42	10°10	5°26	14° 5	11°57	3°29	5°39	20°44	21°D13	22°30	23°24	21°38	S 12
S 13	21 50 35	26° 0'13	8♏43	22°49	11° 0	6° 4	14°16	11°54	3°31	5°38	20°45	21°14	22°26	23°31	21°37	S 13
M14	21 54 32	26°58'18	21°22	21°58	11°50	6°43	14°28	11°52	3°34	5°36	20°47	21°R14	22°23	23°38	21°35	M14
T 15	21 58 28	27°56'25	3♐43	21°12	12°40	7°21	14°39	11°49	3°36	5°34	20°48	21°14	22°20	23°44	21°34	T 15
W16	22 2 25	28°54'33	15°50	20°31	13°32	7°59	14°51	11°47	3°39	5°33	20°49	21°13	22°17	23°51	21°33	W16
T 17	22 6 21	29°52'43	27°48	19°56	14°24	8°37	15° 2	11°45	3°41	5°31	20°51	21° 9	22°14	23°58	21°31	T 17
F 18	22 10 18	0♍50'54	9♑41	19°28	15°16	9°15	15°13	11°43	3°43	5°30	20°52	21° 3	22°10	24° 5	21°30	F 18
S 19	22 14 15	1°49'07	21°33	19° 8	16° 9	9°53	15°24	11°41	3°46	5°28	20°53	20°56	22° 7	24°11	21°28	S 19
S 20	22 18 11	2°47'22	3♒27	18°57	17° 3	10°31	15°36	11°39	3°48	5°26	20°55	20°47	22° 4	24°18	21°26	S 20
M21	22 22 8	3°45'38	15°25	18°D54	17°58	11° 9	15°47	11°37	3°50	5°25	20°56	20°38	22° 1	24°25	21°25	M21
T 22	22 26 4	4°43'56	27°30	19° 0	18°53	11°47	15°58	11°35	3°52	5°23	20°57	20°29	21°58	24°31	21°23	T 22
W23	22 30 1	5°42'15	9♓42	19°15	19°48	12°25	16° 8	11°33	3°55	5°21	20°59	20°22	21°55	24°38	21°21	W23
T 24	22 33 57	6°40'37	22° 3	19°39	20°44	13° 3	16°19	11°32	3°57	5°20	21° 0	20°17	21°51	24°45	21°19	T 24
F 25	22 37 54	7°39'00	4♈33	20°12	21°41	13°41	16°30	11°30	3°59	5°18	21° 1	20°14	21°48	24°52	21°18	F 25
S 26	22 41 50	8°37'26	17°15	20°54	22°38	14°19	16°40	11°29	4° 1	5°16	21° 2	20°D12	21°45	24°58	21°16	S 26
S 27	22 45 47	9°35'53	0♉ 8	21°43	23°36	14°56	16°51	11°27	4° 3	5°15	21° 3	20°13	21°42	25° 5	21°14	S 27
M28	22 49 43	10°34'23	13°16	22°41	24°34	15°34	17° 1	11°26	4° 5	5°13	21° 5	20°14	21°39	25°12	21°12	M28
T 29	22 53 40	11°32'55	26°39	23°46	25°32	16°12	17°12	11°25	4° 6	5°11	21° 6	20°15	21°36	25°18	21°10	T 29
W30	22 57 37	12°31'29	10♊20	24°57	26°31	16°50	17°22	11°24	4° 8	5°10	21° 7	20°R16	21°32	25°25	21° 8	W30
T 31	23 1 33	13♍30'06	24♊20	26♌15	27♋31	17♌28	17♋32	11♑23	4♋10	5♓ 8	21♋ 8	20♎16	21♎29	25♑32	21♈ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n35	14n49	2s 5	6n50	4s20	18n36	4s56	21n37	1n 4	23n 5	0n 4	22s54	0n 3	23n46	0n16	10s19	1s 1	25n 3	3n 7	8s40	9s 0	16s38	9n44	1n18
W 2	16 18	17 13	3 8	6 52	4 26	18 40	4 51	21 29	1 4	23 4	0 4	22 55	0 3	23 46	0 16	10 19	1 1	25 3	3 7	8 39	8 59	16 37	9 44	1 18
T 3	16 0	18 38	4 0	6 58	4 31	18 44	4 46	21 21	1 5	23 3	0 5	22 55	0 3	23 46	0 16	10 20	1 1	25 3	3 7	8 38	8 58	16 36	9 44	1 18
F 4	15 43	18 53	4 39	7 6	4 34	18 47	4 41	21 13	1 5	23 2	0 5	22 55	0 3	23 46	0 16	10 21	1 1	25 3	3 7	8 36	8 57	16 35	9 43	1 18
S 5	15 25	17 51	5 1	7 18	4 36	18 51	4 36	21 5	1 5	23 1	0 5	22 56	0 3	23 46	0 16	10 21	1 1	25 3	3 7	8 34	8 56	16 33	9 43	1 18
S 6	15 7	15 35	5 1	7 33	4 37	18 55	4 31	20 57	1 6	23 0	0 5	22 56	0 2	23 46	0 16	10 22	1 1	25 3	3 8	8 30	8 54	16 32	9 43	1 18
M 7	14 49	12 14	4 41	7 50	4 35	18 58	4 26	20 49	1 6	22 59	0 5	22 56	0 2	23 46	0 16	10 22	1 1	25 3	3 8	8 27	8 53	16 31	9 42	1 18
T 8	14 30	8 6	4 1	8 11	4 32	19 1	4 21	20 40	1 6	22 58	0 5	22 57	0 2	23 46	0 16	10 23	1 1	25 3	3 8	8 24	8 52	16 30	9 42	1 18
W 9	14 11	3 32	3 6	8 34	4 27	19 4	4 15	20 31	1 6	22 56	0 5	22 57	0 2	23 46	0 16	10 24	1 1	25 2	3 8	8 21	8 51	16 29	9 42	1 18
T 10	13 52	1s 7	2 0	8 59	4 20	19 6	4 10	20 23	1 7	22 55	0 5	22 58	0 2	23 46	0 16	10 24	1 1	25 2	3 8	8 19	8 50	16 28	9 41	1 18
F 11	13 33	5 34	0 48	9 26	4 11	19 9	4 4	20 14	1 7	22 54	0 5	22 58	0 2	23 46	0 16	10 25	1 1	25 2	3 8	8 19	8 49	16 27	9 41	1 18
S 12	13 14	9 36	0n24	9 54	4 0	19 11	3 59	20 5	1 7	22 53	0 6	22 58	0 2	23 46	0 16	10 25	1 1	25 2	3 8	8 19	8 47	16 26	9 40	1 18
S 13	12 54	13 0	1 32	10 24	3 47	19 13	3 53	19 55	1 8	22 52	0 6	22 58	0 2	23 46	0 16	10 26	1 1	25 2	3 8	8 19	8 46	16 25	9 40	1 18
M14	12 34	15 42	2 35	10 53	3 33	19 14	3 48	19 46	1 8	22 51	0 6	22 59	0 2	23 46	0 16	10 27	1 1	25 2	3 8	8 19	8 45	16 24	9 39	1 18
T 15	12 14	17 35	3 28	11 23	3 17	19 15	3 42	19 37	1 8	22 50	0 6	22 59	0 2	23 46	0 16	10 27	1 1	25 2	3 9	8 19	8 44	16 23	9 39	1 18
W16	11 54	18 38	4 11	11 52	3 0	19 16	3 36	19 27	1 8	22 49	0 6	22 59	0 2	23 46	0 16	10 28	1 1	25 2	3 9	8 19	8 43	16 21	9 38	1 18
T 17	11 34	18 49	4 42	12 20	2 43	19 16	3 30	19 17	1 9	22 47	0 6	23 0	0 1	23 46	0 16	10 29	1 1	25 2	3 9	8 17	8 41	16 20	9 38	1 18
F 18	11 13	18 11	5 1	12 46	2 24	19 16	3 25	19 8	1 9	22 46	0 6	23 0	0 1	23 46	0 16	10 29	1 1	25 1	3 9	8 15	8 40	16 19	9 37	1 18
S 19	10 52	16 45	5 7	13 10	2 5	19 16	3 19	18 58	1 9	22 45	0 6	23 0	0 1	23 46	0 16	10 30	1 1	25 1	3 9	8 12	8 39	16 18	9 36	1 18
S 20	10 31	14 37	4 59	13 32	1 46	19 15	3 13	18 47	1 10	22 44	0 6	23 0	0 1	23 46	0 16	10 30	1 1	25 1	3 9	8 9	8 38	16 17	9 36	1 18
M21	10 10	11 50	4 39	13 51	1 27	19 14	3 7	18 37	1 10	22 43	0 7	23 1	0 1	23 45	0 16	10 31	1 1	25 1	3 9	8 5	8 37	16 16	9 35	1 18
T 22	9 49	8 33	4 6	14 7	1 8	19 12	3 2	18 27	1 10	22 42	0 7	23 1	0 1	23 45	0 16	10 32	1 1	25 1	3 9	8 2	8 35	16 15	9 35	1 18
W23	9 28	4 52	3 21	14 19	0 50	19 10	2 56	18 16	1 10	22 40	0 7	23 1	0 1	23 45	0 16	10 32	1 1	25 1	3 10	7 59	8 34	16 14	9 34	1 18
T 24	9 6	0 56	2 26	14 29	0 32	19 8	2 50	18 6	1 11	22 39	0 7	23 1	0 1	23 45	0 16	10 33	1 1	25 1	3 10	7 57	8 33	16 13	9 33	1 18
F 25	8 44	3n 6	1 24	14 34	0 15	19 5	2 44	17 55	1 11	22 38	0 7	23 2	0 1	23 45	0 16	10 34	1 1	25 1	3 10	7 56	8 32	16 11	9 32	1 18
S 26	8 22	7 3	0 16	14 36	0n 1	19 2	2 38	17 44	1 11	22 37	0 7	23 2	0 1	23 45	0 16	10 34	1 1	25 1	3 10	7 56	8 31	16 10	9 32	1 18
S 27	8 0	10 44	0s54	14 35	0 16	18 58	2 33	17 33	1 11	22 36	0 7	23 2	0 1	23 45	0 17	10 35	1 1	25 1	3 10	7 56	8 30	16 9	9 31	1 18
M28	7 38	13 57	2 2	14 29	0 30	18 54	2 27	17 22	1 12	22 34	0 7	23 2	0 1	23 45	0 17	10 35	1 1	25 1	3 10	7 56	8 28	16 8	9 30	1 18
T 29	7 16	16 29	3 5	14 20	0 43	18 49	2 21	17 11	1 12	22 33	0 8	23 2	0 0	23 45	0 17	10 36	1 1	25 1	3 10	7 57	8 27	16 7	9 29	1 18
W30	6 53	18 9	3 59	14 7	0 55	18 44	2 15	17 0	1 12	22 32	0 8	23 3	0 0	23 45	0 17	10 37	1 1	25 1	3 10	7 57	8 26	16 6	9 29	1 18
T 31	6n31	18n45	4s40	13n51	1n 5	18n38	2s 9	16n49	1n12	22n31	0n 8	23s 3	0n 0	23n45	0n17	10s37	1s 1	25n 1	3n11	7s57	8s25	16s 5	9n28	1n18

Julian Day Number = 2157743.5, Delta T = 13m31s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'26, Lahiri = 12°38'26 Julian Calendar 1 Aug. 1195 == Greg. Calendar 8 Aug. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

SEPTEMBER 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 5 30	14♍28'45	8♋37	27♌38	28♋31	18♌ 6	17♋42	11°R22	4♋12	5°R 6	21♋ 9	20°R14	21♎26	25♑39	21°R 4	F 1
S 2	23 9 26	15°27'26	23°10	29° 6	29°31	18°43	17°52	11♑21	4°14	5♓ 5	21°10	20♎10	21°23	25°45	21♈ 1	S 2
S 3	23 13 23	16°26'09	7♌54	0♍38	0♌32	19°21	18° 2	11°21	4°15	5° 3	21°11	20° 6	21°20	25°52	20°59	S 3
M 4	23 17 19	17°24'55	22°42	2°13	1°33	19°59	18°11	11°20	4°17	5° 2	21°12	20° 1	21°16	25°59	20°57	M 4
T 5	23 21 16	18°23'42	7♍27	3°52	2°34	20°37	18°21	11°20	4°18	5° 0	21°13	19°56	21°13	26° 6	20°55	T 5
W 6	23 25 12	19°22'32	22° 1	5°34	3°36	21°14	18°31	11°19	4°20	4°58	21°14	19°53	21°10	26°12	20°52	W 6
T 7	23 29 9	20°21'24	6♎18	7°17	4°38	21°52	18°40	11°19	4°21	4°57	21°15	19°51	21° 7	26°19	20°50	T 7
F 8	23 33 6	21°20'17	20°12	9° 2	5°40	22°30	18°49	11°19	4°23	4°55	21°16	19°D50	21° 4	26°26	20°48	F 8
S 9	23 37 2	22°19'13	3♏42	10°49	6°43	23° 7	18°58	11°D19	4°24	4°54	21°17	19°50	21° 1	26°32	20°45	S 9
S 10	23 40 59	23°18'11	16°47	12°36	7°46	23°45	19° 7	11°19	4°25	4°52	21°18	19°52	20°57	26°39	20°43	S 10
M11	23 44 55	24°17'10	29°30	14°24	8°50	24°23	19°16	11°19	4°27	4°51	21°19	19°54	20°54	26°46	20°40	M11
T 12	23 48 52	25°16'11	11♐55	16°12	9°53	25° 0	19°25	11°19	4°28	4°49	21°20	19°55	20°51	26°53	20°38	T 12
W13	23 52 48	26°15'14	24° 4	18° 1	10°57	25°38	19°34	11°19	4°29	4°48	21°21	19°R56	20°48	26°59	20°35	W13
T 14	23 56 45	27°14'19	6♑ 3	19°49	12° 2	26°15	19°42	11°20	4°30	4°46	21°22	19°55	20°45	27° 6	20°33	T 14
F 15	0 0 41	28°13'26	17°57	21°37	13° 6	26°53	19°51	11°20	4°31	4°45	21°22	19°54	20°42	27°13	20°30	F 15
S 16	0 4 38	29°12'34	29°50	23°25	14°11	27°31	19°59	11°21	4°32	4°43	21°23	19°52	20°38	27°20	20°28	S 16
S 17	0 8 35	0♎11'44	11♒45	25°13	15°16	28° 8	20° 7	11°22	4°33	4°42	21°24	19°49	20°35	27°26	20°25	S 17
M18	0 12 31	1°10'56	23°48	27° 0	16°21	28°46	20°15	11°23	4°34	4°40	21°25	19°46	20°32	27°33	20°22	M18
T 19	0 16 28	2°10'10	6♓ 0	28°46	17°27	29°23	20°23	11°23	4°35	4°39	21°25	19°43	20°29	27°40	20°20	T 19
W20	0 20 24	3° 9'26	18°23	0♎32	18°33	0♍ 0	20°31	11°24	4°36	4°37	21°26	19°41	20°26	27°46	20°17	W20
T 21	0 24 21	4° 8'44	0♈59	2°17	19°39	0°38	20°39	11°26	4°36	4°36	21°27	19°39	20°22	27°53	20°14	T 21
F 22	0 28 17	5° 8'04	13°48	4° 1	20°45	1°15	20°46	11°27	4°37	4°35	21°27	19°D38	20°19	28° 0	20°12	F 22
S 23	0 32 14	6° 7'26	26°50	5°45	21°52	1°53	20°53	11°28	4°38	4°33	21°28	19°38	20°16	28° 7	20° 9	S 23
S 24	0 36 10	7° 6'51	10♉ 6	7°28	22°59	2°30	21° 1	11°30	4°38	4°32	21°29	19°39	20°13	28°13	20° 6	S 24
M25	0 40 7	8° 6'17	23°34	9°11	24° 6	3° 7	21° 8	11°31	4°39	4°31	21°29	19°40	20°10	28°20	20° 3	M25
T 26	0 44 3	9° 5'46	7♊15	10°52	25°13	3°45	21°15	11°33	4°39	4°29	21°30	19°41	20° 7	28°27	20° 1	T 26
W27	0 48 0	10° 5'18	21° 6	12°33	26°20	4°22	21°21	11°34	4°40	4°28	21°30	19°42	20° 3	28°33	19°58	W27
T 28	0 51 57	11° 4'52	5♋ 7	14°13	27°28	4°59	21°28	11°36	4°40	4°27	21°31	19°R42	20° 0	28°40	19°55	T 28
F 29	0 55 53	12° 4'28	19°18	15°53	28°36	5°37	21°35	11°38	4°40	4°25	21°31	19°42	19°57	28°47	19°52	F 29
S 30	0 59 50	13♎ 4'06	3♌34	17♎32	29♌44	6♍14	21♋41	11♑40	4♋41	4♓24	21♋32	19♎42	19♎54	28♑54	19♈49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n 8	18n11	5s 5	13n31	1n15	18n32	2s 4	16n37	1n13	22n30	0n 8	23s 3	0n 0	23n45	0n17	10s38	1s 1	25n 1	3n11	7s56	8s24	16s 4	9n27	1n18
S 2	5 45	16 26	5 11	13 8	1 23	18 25	1 58	16 26	1 13	22 29	0 8	23 3	0 0	23 45	0 17	10 38	1 1	25 0	3 11	7 55	8 22	16 2	9 26	1 18
S 3	5 22	13 35	4 57	12 42	1 30	18 18	1 52	16 14	1 13	22 27	0 8	23 3	0 0	23 45	0 17	10 39	1 1	25 0	3 11	7 53	8 21	16 1	9 25	1 18
M 4	5 0	9 52	4 23	12 14	1 37	18 10	1 47	16 2	1 13	22 26	0 8	23 3	0s 0	23 45	0 17	10 40	1 1	25 0	3 11	7 51	8 20	16 0	9 24	1 18
T 5	4 36	5 33	3 31	11 42	1 42	18 2	1 41	15 51	1 14	22 25	0 8	23 4	0 0	23 45	0 17	10 40	1 1	25 0	3 11	7 50	8 19	15 59	9 24	1 17
W 6	4 13	0 56	2 26	11 9	1 46	17 53	1 36	15 39	1 14	22 24	0 9	23 4	0 0	23 45	0 17	10 41	1 1	25 0	3 11	7 48	8 18	15 58	9 23	1 17
T 7	3 50	3s38	1 13	10 33	1 49	17 44	1 30	15 27	1 14	22 23	0 9	23 4	0 0	23 45	0 17	10 41	1 1	25 0	3 12	7 47	8 16	15 57	9 22	1 17
F 8	3 27	7 54	0n 2	9 55	1 51	17 34	1 24	15 15	1 14	22 22	0 9	23 4	0 0	23 45	0 17	10 42	1 1	25 0	3 12	7 47	8 15	15 55	9 21	1 17
S 9	3 4	11 37	1 15	9 16	1 52	17 24	1 19	15 2	1 14	22 20	0 9	23 4	0 0	23 45	0 17	10 43	1 1	25 0	3 12	7 47	8 14	15 54	9 20	1 17
S 10	2 40	14 39	2 23	8 35	1 52	17 13	1 14	14 50	1 15	22 19	0 9	23 4	0 1	23 45	0 17	10 43	1 1	25 0	3 12	7 48	8 13	15 53	9 19	1 17
M11	2 17	16 52	3 21	7 53	1 52	17 2	1 8	14 38	1 15	22 18	0 9	23 4	0 1	23 45	0 17	10 44	1 1	25 0	3 12	7 49	8 12	15 52	9 18	1 17
T 12	1 53	18 13	4 8	7 10	1 51	16 50	1 3	14 25	1 15	22 17	0 9	23 4	0 1	23 45	0 17	10 44	1 1	25 0	3 12	7 49	8 10	15 51	9 17	1 17
W13	1 30	18 41	4 43	6 26	1 50	16 38	0 58	14 13	1 15	22 16	0 9	23 4	0 1	23 45	0 17	10 45	1 1	25 0	3 12	7 49	8 9	15 50	9 16	1 17
T 14	1 6	18 19	5 6	5 42	1 47	16 25	0 52	14 0	1 16	22 15	0 10	23 4	0 1	23 45	0 17	10 45	1 1	25 0	3 13	7 49	8 8	15 49	9 15	1 17
F 15	0 43	17 8	5 14	4 56	1 45	16 12	0 47	13 47	1 16	22 14	0 10	23 4	0 1	23 45	0 17	10 46	1 1	25 0	3 13	7 49	8 7	15 47	9 14	1 17
S 16	0 19	15 13	5 10	4 10	1 41	15 58	0 42	13 35	1 16	22 13	0 10	23 4	0 1	23 45	0 17	10 46	1 1	25 0	3 13	7 48	8 6	15 46	9 13	1 17
S 17	0s 5	12 39	4 52	3 24	1 38	15 44	0 37	13 22	1 16	22 11	0 10	23 4	0 1	23 45	0 17	10 47	1 1	25 0	3 13	7 47	8 4	15 45	9 12	1 17
M18	0 28	9 32	4 21	2 38	1 34	15 30	0 32	13 9	1 16	22 10	0 10	23 4	0 1	23 45	0 17	10 47	1 1	25 0	3 13	7 46	8 3	15 44	9 11	1 17
T 19	0 52	5 58	3 38	1 51	1 29	15 14	0 27	12 56	1 17	22 9	0 10	23 4	0 1	23 45	0 17	10 48	1 1	25 0	3 13	7 45	8 2	15 43	9 10	1 17
W20	1 16	2 6	2 44	1 5	1 25	14 59	0 22	12 43	1 17	22 8	0 10	23 4	0 1	23 45	0 17	10 49	1 1	25 0	3 13	7 44	8 1	15 41	9 9	1 17
T 21	1 39	1n56	1 41	0 18	1 20	14 43	0 17	12 30	1 17	22 7	0 11	23 4	0 1	23 45	0 17	10 49	1 1	25 0	3 14	7 43	8 0	15 40	9 8	1 17
F 22	2 3	5 58	0 32	0s28	1 14	14 26	0 13	12 17	1 17	22 6	0 11	23 4	0 2	23 45	0 17	10 50	1 1	25 1	3 14	7 43	7 58	15 39	9 7	1 17
S 23	2 27	9 46	0s40	1 15	1 9	14 9	0 8	12 3	1 17	22 5	0 11	23 4	0 2	23 45	0 17	10 50	1 1	25 1	3 14	7 43	7 57	15 38	9 5	1 17
S 24	2 50	13 9	1 51	2 1	1 3	13 52	0 3	11 50	1 18	22 4	0 11	23 4	0 2	23 45	0 17	10 50	1 1	25 1	3 14	7 43	7 56	15 37	9 4	1 17
M25	3 14	15 53	2 57	2 47	0 57	13 34	0n 1	11 37	1 18	22 3	0 11	23 4	0 2	23 45	0 17	10 51	1 1	25 1	3 14	7 43	7 55	15 36	9 3	1 17
T 26	3 37	17 46	3 54	3 32	0 51	13 16	0 6	11 23	1 18	22 2	0 11	23 4	0 2	23 45	0 17	10 51	1 1	25 1	3 14	7 44	7 54	15 34	9 2	1 17
W27	4 1	18 37	4 38	4 18	0 45	12 57	0 10	11 10	1 18	22 2	0 11	23 4	0 2	23 45	0 17	10 52	1 1	25 1	3 14	7 44	7 52	15 33	9 1	1 16
T 28	4 24	18 20	5 7	5 3	0 38	12 38	0 14	10 56	1 18	22 1	0 12	23 4	0 2	23 45	0 17	10 52	1 1	25 1	3 15	7 44	7 51	15 32	9 0	1 16
F 29	4 48	16 55	5 17	5 47	0 32	12 18	0 19	10 43	1 19	22 0	0 12	23 4	0 2	23 45	0 17	10 53	1 1	25 1	3 15	7 44	7 50	15 31	8 59	1 16
S 30	5s11	14n27	5s 8	6s31	0n25	11n58	0n23	10n29	1n19	21n59	0n12	23s 4	0s 2	23n45	0n17	10s53	1s 1	25n 1	3n15	7s44	7s49	15s30	8n58	1n16

Julian Day Number = 2157774.5, Delta T = 13m31s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'30, Lahiri = 12°38'30 Julian Calendar 1 Sept. 1195 == Greg. Calendar 8 Sept. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

OCTOBER 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 3 46	14♎ 3'47	17♌55	19♎10	0♍52	6♍51	21♋47	11♑42	4♋41	4°R23	21♋32	19°R41	19♎51	29♑ 0	19°R46	S 1
M 2	1 7 43	15° 3'30	2♍15	20°48	2° 1	7°29	21°53	11°44	4°41	4♓22	21°33	19♎41	19°47	29° 7	19♈44	M 2
T 3	1 11 39	16° 3'15	16°32	22°25	3°10	8° 6	21°59	11°47	4°41	4°21	21°33	19°40	19°44	29°14	19°41	T 3
W 4	1 15 36	17° 3'02	0♎40	24° 2	4°18	8°43	22° 5	11°49	4°R41	4°20	21°33	19°40	19°41	29°20	19°38	W 4
T 5	1 19 32	18° 2'52	14°36	25°37	5°27	9°20	22°10	11°52	4°41	4°19	21°34	19°D40	19°38	29°27	19°35	T 5
F 6	1 23 29	19° 2'43	28°15	27°13	6°37	9°57	22°16	11°54	4°41	4°17	21°34	19°40	19°35	29°34	19°32	F 6
S 7	1 27 26	20° 2'37	11♏36	28°48	7°46	10°35	22°21	11°57	4°41	4°16	21°34	19°R40	19°32	29°41	19°29	S 7
S 8	1 31 22	21° 2'32	24°38	0♏22	8°55	11°12	22°26	12° 0	4°41	4°15	21°34	19°40	19°28	29°47	19°26	S 8
M 9	1 35 19	22° 2'29	7♐20	1°56	10° 5	11°49	22°31	12° 2	4°40	4°14	21°35	19°39	19°25	29°54	19°23	M 9
T 10	1 39 15	23° 2'28	19°46	3°29	11°15	12°26	22°35	12° 5	4°40	4°13	21°35	19°39	19°22	0♒ 1	19°21	T 10
W11	1 43 12	24° 2'29	1♑56	5° 1	12°25	13° 3	22°40	12° 8	4°40	4°13	21°35	19°39	19°19	0° 8	19°18	W11
T 12	1 47 8	25° 2'31	13°57	6°34	13°35	13°40	22°44	12°12	4°39	4°12	21°35	19°38	19°16	0°14	19°15	T 12
F 13	1 51 5	26° 2'36	25°51	8° 6	14°45	14°17	22°49	12°15	4°39	4°11	21°35	19°D38	19°13	0°21	19°12	F 13
S 14	1 55 1	27° 2'41	7♒44	9°37	15°56	14°54	22°53	12°18	4°38	4°10	21°35	19°38	19° 9	0°28	19° 9	S 14
S 15	1 58 58	28° 2'48	19°40	11° 8	17° 6	15°31	22°56	12°21	4°38	4° 9	21°35	19°39	19° 6	0°34	19° 6	S 15
M16	2 2 55	29° 2'57	1♓43	12°38	18°17	16° 8	23° 0	12°25	4°37	4° 8	21°35	19°40	19° 3	0°41	19° 4	M16
T 17	2 6 51	0♏ 3'08	13°59	14° 8	19°28	16°45	23° 4	12°28	4°37	4° 8	21°R35	19°41	19° 0	0°48	19° 1	T 17
W18	2 10 48	1° 3'20	26°29	15°38	20°39	17°22	23° 7	12°32	4°36	4° 7	21°35	19°42	18°57	0°55	18°58	W18
T 19	2 14 44	2° 3'33	9♈17	17° 7	21°50	17°59	23°10	12°36	4°35	4° 6	21°35	19°42	18°53	1° 1	18°55	T 19
F 20	2 18 41	3° 3'49	22°24	18°35	23° 1	18°36	23°13	12°40	4°34	4° 5	21°35	19°R43	18°50	1° 8	18°52	F 20
S 21	2 22 37	4° 4'06	5♉49	20° 3	24°12	19°12	23°16	12°44	4°34	4° 5	21°35	19°42	18°47	1°15	18°50	S 21
S 22	2 26 34	5° 4'25	19°31	21°31	25°23	19°49	23°18	12°48	4°33	4° 4	21°35	19°41	18°44	1°21	18°47	S 22
M23	2 30 30	6° 4'46	3♊28	22°58	26°35	20°26	23°20	12°52	4°32	4° 4	21°35	19°39	18°41	1°28	18°44	M23
T 24	2 34 27	7° 5'09	17°36	24°24	27°47	21° 3	23°23	12°56	4°31	4° 3	21°35	19°36	18°38	1°35	18°42	T 24
W25	2 38 24	8° 5'33	1♋50	25°50	28°58	21°40	23°25	13° 0	4°30	4° 3	21°34	19°34	18°34	1°42	18°39	W25
T 26	2 42 20	9° 6'00	16° 6	27°15	0♎10	22°16	23°26	13° 4	4°29	4° 2	21°34	19°32	18°31	1°48	18°36	T 26
F 27	2 46 17	10° 6'28	0♌21	28°39	1°22	22°53	23°28	13° 9	4°27	4° 2	21°34	19°31	18°28	1°55	18°34	F 27
S 28	2 50 13	11° 6'59	14°33	0♐ 3	2°34	23°30	23°29	13°13	4°26	4° 1	21°34	19°D31	18°25	2° 2	18°31	S 28
S 29	2 54 10	12° 7'31	28°38	1°26	3°47	24° 6	23°31	13°18	4°25	4° 1	21°33	19°31	18°22	2° 9	18°28	S 29
M30	2 58 6	13° 8'05	12♍36	2°47	4°59	24°43	23°32	13°22	4°24	4° 0	21°33	19°33	18°18	2°15	18°26	M30
T 31	3 2 3	14♏ 8'41	26♍26	4♐ 8	6♎11	25♍20	23♋32	13♑27	4♋22	4♓ 0	21♋33	19♎34	18♎15	2♒22	18♈23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s34	11n 6	4s39	7s15	0n19	11n38	0n27	10n15	1n19	21n58	0n12	23s 4	0s 2	23n45	0n17	10s54	1s 1	25n 1	3n15	7s44	7s48	15s28	8n56	1n16
M 2	5 57	7 5	3 54	7 58	0 12	11 17	0 31	10 1	1 19	21 57	0 12	23 3	0 2	23 45	0 17	10 54	1 1	25 1	3 15	7 44	7 46	15 27	8 55	1 16
T 3	6 21	2 40	2 54	8 41	0 5	10 56	0 35	9 48	1 19	21 56	0 12	23 3	0 2	23 45	0 17	10 54	1 1	25 1	3 15	7 44	7 45	15 26	8 54	1 16
W 4	6 44	1s51	1 43	9 23	0s 1	10 34	0 39	9 34	1 19	21 56	0 12	23 3	0 2	23 45	0 17	10 55	1 1	25 1	3 16	7 43	7 44	15 25	8 53	1 16
T 5	7 6	6 12	0 28	10 4	0 8	10 12	0 42	9 20	1 20	21 55	0 13	23 3	0 3	23 45	0 17	10 55	1 1	25 1	3 16	7 43	7 43	15 23	8 52	1 16
F 6	7 29	10 10	0n48	10 45	0 15	9 50	0 46	9 6	1 20	21 54	0 13	23 3	0 3	23 45	0 17	10 56	1 1	25 2	3 16	7 43	7 42	15 22	8 51	1 16
S 7	7 52	13 30	1 59	11 26	0 22	9 28	0 50	8 52	1 20	21 54	0 13	23 3	0 3	23 45	0 17	10 56	1 1	25 2	3 16	7 43	7 40	15 21	8 49	1 16
S 8	8 15	16 4	3 2	12 5	0 28	9 5	0 53	8 38	1 20	21 53	0 13	23 3	0 3	23 45	0 18	10 56	1 1	25 2	3 16	7 43	7 39	15 20	8 48	1 16
M 9	8 37	17 46	3 55	12 45	0 35	8 41	0 57	8 24	1 20	21 52	0 13	23 2	0 3	23 45	0 18	10 57	1 1	25 2	3 16	7 43	7 38	15 19	8 47	1 16
T 10	9 0	18 34	4 35	13 23	0 42	8 18	1 0	8 10	1 21	21 52	0 13	23 2	0 3	23 45	0 18	10 57	1 1	25 2	3 16	7 43	7 37	15 17	8 46	1 16
W11	9 22	18 30	5 2	14 1	0 48	7 54	1 3	7 56	1 21	21 51	0 14	23 2	0 3	23 45	0 18	10 57	1 1	25 2	3 17	7 43	7 35	15 16	8 45	1 15
T 12	9 44	17 35	5 16	14 38	0 55	7 30	1 6	7 42	1 21	21 50	0 14	23 2	0 3	23 45	0 18	10 58	1 1	25 2	3 17	7 43	7 34	15 15	8 44	1 15
F 13	10 6	15 54	5 15	15 14	1 1	7 6	1 9	7 27	1 21	21 50	0 14	23 2	0 3	23 45	0 18	10 58	1 1	25 2	3 17	7 43	7 33	15 14	8 42	1 15
S 14	10 28	13 33	5 1	15 49	1 8	6 41	1 12	7 13	1 21	21 49	0 14	23 1	0 3	23 45	0 18	10 58	1 1	25 3	3 17	7 43	7 32	15 12	8 41	1 15
S 15	10 49	10 38	4 35	16 24	1 14	6 16	1 15	6 59	1 21	21 49	0 14	23 1	0 3	23 45	0 18	10 59	1 1	25 3	3 17	7 43	7 31	15 11	8 40	1 15
M16	11 11	7 14	3 56	16 58	1 20	5 51	1 18	6 45	1 21	21 48	0 14	23 1	0 3	23 45	0 18	10 59	1 1	25 3	3 17	7 43	7 29	15 10	8 39	1 15
T 17	11 32	3 29	3 5	17 31	1 26	5 25	1 20	6 30	1 22	21 48	0 15	23 1	0 3	23 45	0 18	10 59	1 1	25 3	3 18	7 44	7 28	15 9	8 38	1 15
W18	11 53	0n31	2 5	18 3	1 32	5 0	1 23	6 16	1 22	21 48	0 15	23 0	0 3	23 45	0 18	10 59	1 1	25 3	3 18	7 44	7 27	15 7	8 37	1 15
T 19	12 14	4 34	0 57	18 34	1 37	4 34	1 26	6 2	1 22	21 47	0 15	23 0	0 4	23 45	0 18	11 0	1 1	25 3	3 18	7 44	7 26	15 6	8 36	1 15
F 20	12 35	8 31	0s15	19 5	1 43	4 8	1 28	5 47	1 22	21 47	0 15	23 0	0 4	23 46	0 18	11 0	1 1	25 4	3 18	7 44	7 25	15 5	8 34	1 15
S 21	12 56	12 8	1 28	19 34	1 48	3 41	1 30	5 33	1 22	21 47	0 15	22 59	0 4	23 46	0 18	11 0	1 1	25 4	3 18	7 44	7 23	15 4	8 33	1 15
S 22	13 16	15 10	2 37	20 3	1 53	3 15	1 32	5 19	1 22	21 46	0 15	22 59	0 4	23 46	0 18	11 0	1 1	25 4	3 18	7 44	7 22	15 2	8 32	1 14
M23	13 36	17 21	3 39	20 30	1 58	2 48	1 34	5 4	1 22	21 46	0 16	22 59	0 4	23 46	0 18	11 0	1 1	25 4	3 18	7 43	7 21	15 1	8 31	1 14
T 24	13 56	18 31	4 28	20 56	2 3	2 22	1 36	4 50	1 23	21 46	0 16	22 58	0 4	23 46	0 18	11 1	1 1	25 4	3 19	7 42	7 20	15 0	8 30	1 14
W25	14 16	18 32	5 0	21 22	2 7	1 55	1 38	4 35	1 23	21 46	0 16	22 58	0 4	23 46	0 18	11 1	1 1	25 4	3 19	7 41	7 19	14 59	8 29	1 14
T 26	14 35	17 22	5 15	21 46	2 12	1 28	1 40	4 21	1 23	21 46	0 16	22 58	0 4	23 46	0 18	11 1	1 1	25 5	3 19	7 40	7 17	14 57	8 28	1 14
F 27	14 55	15 7	5 10	22 9	2 15	1 0	1 42	4 6	1 23	21 45	0 16	22 57	0 4	23 46	0 18	11 1	1 1	25 5	3 19	7 40	7 16	14 56	8 27	1 14
S 28	15 14	11 59	4 46	22 31	2 19	0 33	1 43	3 52	1 23	21 45	0 16	22 57	0 4	23 46	0 18	11 1	1 1	25 5	3 19	7 40	7 15	14 55	8 25	1 14
S 29	15 32	8 10	4 5	22 51	2 22	0 6	1 45	3 37	1 23	21 45	0 17	22 57	0 4	23 46	0 18	11 1	1 1	25 5	3 19	7 40	7 14	14 54	8 24	1 14
M30	15 51	3 56	3 10	23 10	2 25	0s22	1 46	3 23	1 23	21 45	0 17	22 56	0 4	23 46	0 18	11 1	1 1	25 5	3 20	7 41	7 12	14 52	8 23	1 14
T 31	16s 9	0s28	2s 4	23s28	2s27	0s49	1n48	3n 8	1n23	21n45	0n17	22s56	0s 4	23n46	0n18	11s 2	1s 1	25n 6	3n20	7s41	7s11	14s51	8n22	1n14

Julian Day Number = 2157804.5, Delta T = 13m31s
Ecliptic obliquity = 23°32'29, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'34, Lahiri = 12°38'34 Julian Calendar 1 Oct. 1195 == Greg. Calendar 8 Oct. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

NOVEMBER 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 5 59	15♏ 9'19	10♎ 5	5♐27	7♎24	25♍56	23♋33	13♑32	4°R21	4°R 0	21°R32	19♎35	18♎12	2♒29	18°R21	W 1
T 2	3 9 56	16° 9'58	23°34	6°45	8°36	26°33	23°33	13°36	4♋19	4♓ 0	21♋32	19°R36	18° 9	2°35	18♈18	T 2
F 3	3 13 52	17°10'39	6♏50	8° 2	9°49	27° 9	23°34	13°41	4°18	3°59	21°31	19°35	18° 6	2°42	18°16	F 3
S 4	3 17 49	18°11'22	19°53	9°16	11° 2	27°46	23°R34	13°46	4°16	3°59	21°31	19°32	18° 3	2°49	18°13	S 4
S 5	3 21 46	19°12'06	2♐43	10°29	12°14	28°22	23°34	13°51	4°15	3°59	21°30	19°28	17°59	2°56	18°11	S 5
M 6	3 25 42	20°12'51	15°18	11°39	13°27	28°59	23°33	13°56	4°13	3°59	21°30	19°22	17°56	3° 2	18° 9	M 6
T 7	3 29 39	21°13'37	27°39	12°46	14°40	29°35	23°33	14° 2	4°12	3°59	21°29	19°17	17°53	3° 9	18° 6	T 7
W 8	3 33 35	22°14'25	9♑48	13°51	15°53	0♎11	23°32	14° 7	4°10	3°59	21°29	19°11	17°50	3°16	18° 4	W 8
T 9	3 37 32	23°15'14	21°48	14°52	17° 6	0°48	23°31	14°12	4° 8	3°D59	21°28	19° 6	17°47	3°22	18° 2	T 9
F 10	3 41 28	24°16'04	3♒42	15°49	18°19	1°24	23°30	14°18	4° 6	3°59	21°28	19° 2	17°44	3°29	18° 0	F 10
S 11	3 45 25	25°16'55	15°33	16°41	19°33	2° 0	23°28	14°23	4° 4	3°59	21°27	19° 0	17°40	3°36	17°58	S 11
S 12	3 49 21	26°17'46	27°26	17°29	20°46	2°37	23°27	14°28	4° 3	3°59	21°26	18°D59	17°37	3°43	17°56	S 12
M13	3 53 18	27°18'39	9♓27	18°10	21°59	3°13	23°25	14°34	4° 1	3°59	21°26	19° 0	17°34	3°49	17°53	M13
T 14	3 57 15	28°19'33	21°41	18°45	23°13	3°49	23°23	14°40	3°59	3°59	21°25	19° 2	17°31	3°56	17°51	T 14
W15	4 1 11	29°20'27	4♈11	19°12	24°26	4°25	23°21	14°45	3°57	3°59	21°24	19° 3	17°28	4° 3	17°49	W15
T 16	4 5 8	0♐21'22	17° 3	19°32	25°40	5° 1	23°18	14°51	3°55	4° 0	21°24	19°R 4	17°24	4° 9	17°48	T 16
F 17	4 9 4	1°22'18	0♉19	19°42	26°53	5°37	23°16	14°57	3°53	4° 0	21°23	19° 4	17°21	4°16	17°46	F 17
S 18	4 13 1	2°23'15	14° 0	19°R42	28° 7	6°13	23°13	15° 3	3°51	4° 0	21°22	19° 1	17°18	4°23	17°44	S 18
S 19	4 16 57	3°24'13	28° 4	19°32	29°21	6°50	23°10	15° 8	3°49	4° 1	21°21	18°56	17°15	4°30	17°42	S 19
M20	4 20 54	4°25'12	12♊28	19°11	0♏34	7°26	23° 7	15°14	3°46	4° 1	21°20	18°50	17°12	4°36	17°40	M20
T 21	4 24 50	5°26'12	27° 6	18°38	1°48	8° 1	23° 4	15°20	3°44	4° 1	21°19	18°42	17° 9	4°43	17°39	T 21
W22	4 28 47	6°27'13	11♋50	17°54	3° 2	8°37	23° 0	15°26	3°42	4° 2	21°19	18°35	17° 5	4°50	17°37	W22
T 23	4 32 44	7°28'14	26°32	16°59	4°16	9°13	22°56	15°33	3°40	4° 2	21°18	18°28	17° 2	4°56	17°35	T 23
F 24	4 36 40	8°29'17	11♌ 5	15°54	5°30	9°49	22°53	15°39	3°38	4° 3	21°17	18°23	16°59	5° 3	17°34	F 24
S 25	4 40 37	9°30'21	25°26	14°41	6°44	10°25	22°49	15°45	3°35	4° 3	21°16	18°20	16°56	5°10	17°32	S 25
S 26	4 44 33	10°31'26	9♍30	13°23	7°58	11° 1	22°44	15°51	3°33	4° 4	21°15	18°D19	16°53	5°17	17°31	S 26
M27	4 48 30	11°32'32	23°18	12° 0	9°12	11°36	22°40	15°57	3°31	4° 4	21°14	18°19	16°50	5°23	17°29	M27
T 28	4 52 26	12°33'39	6♎51	10°38	10°26	12°12	22°35	16° 4	3°28	4° 5	21°13	18°20	16°46	5°30	17°28	T 28
W29	4 56 23	13°34'47	20° 8	9°17	11°40	12°48	22°31	16°10	3°26	4° 6	21°12	18°R20	16°43	5°37	17°27	W29
T 30	5 0 20	14♐35'55	3♏13	8♐ 1	12♏55	13♎23	22♋26	16♑17	3♋24	4♓ 6	21♋11	18♎19	16♎40	5♒43	17♈25	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s27	4s48	0s52	23s45	2s29	1s17	1n49	2n54	1n24	21n45	0n17	22s55	0s 4	23n46	0n18	11s 2	1s 1	25n 6	3n20	7s42	7s10	14s50	8n21	1n13
T 2	16 45	8 51	0n22	24 0	2 31	1 45	1 50	2 40	1 24	21 46	0 17	22 55	0 5	23 46	0 18	11 2	1 1	25 6	3 20	7 42	7 9	14 49	8 20	1 13
F 3	17 2	12 23	1 33	24 14	2 32	2 12	1 51	2 25	1 24	21 46	0 17	22 55	0 5	23 46	0 18	11 2	1 1	25 6	3 20	7 41	7 8	14 47	8 19	1 13
S 4	17 19	15 15	2 38	24 27	2 32	2 40	1 52	2 11	1 24	21 46	0 18	22 54	0 5	23 46	0 18	11 2	1 1	25 6	3 20	7 40	7 6	14 46	8 18	1 13
S 5	17 36	17 17	3 34	24 37	2 32	3 8	1 53	1 56	1 24	21 46	0 18	22 54	0 5	23 47	0 18	11 2	1 1	25 7	3 20	7 39	7 5	14 45	8 17	1 13
M 6	17 52	18 27	4 19	24 47	2 31	3 36	1 53	1 42	1 24	21 46	0 18	22 53	0 5	23 47	0 18	11 2	1 1	25 7	3 21	7 37	7 4	14 43	8 16	1 13
T 7	18 9	18 41	4 50	24 54	2 30	4 3	1 54	1 27	1 24	21 47	0 18	22 53	0 5	23 47	0 18	11 2	1 1	25 7	3 21	7 35	7 3	14 42	8 15	1 13
W 8	18 24	18 4	5 7	25 0	2 28	4 31	1 55	1 13	1 24	21 47	0 18	22 52	0 5	23 47	0 18	11 2	1 1	25 7	3 21	7 32	7 2	14 41	8 14	1 13
T 9	18 40	16 39	5 11	25 4	2 25	4 59	1 55	0 58	1 24	21 47	0 19	22 52	0 5	23 47	0 18	11 2	1 0	25 8	3 21	7 31	7 0	14 40	8 13	1 13
F 10	18 55	14 31	5 1	25 7	2 21	5 26	1 55	0 44	1 25	21 48	0 19	22 51	0 5	23 47	0 18	11 2	1 0	25 8	3 21	7 29	6 59	14 38	8 12	1 12
S 11	19 10	11 48	4 39	25 7	2 16	5 54	1 56	0 29	1 25	21 48	0 19	22 51	0 5	23 47	0 18	11 2	1 0	25 8	3 21	7 28	6 58	14 37	8 11	1 12
S 12	19 24	8 35	4 4	25 6	2 10	6 21	1 56	0 15	1 25	21 49	0 19	22 50	0 5	23 47	0 18	11 2	1 0	25 8	3 21	7 28	6 57	14 36	8 10	1 12
M13	19 39	4 59	3 19	25 3	2 3	6 49	1 56	0 1	1 25	21 49	0 19	22 50	0 5	23 47	0 18	11 2	1 0	25 9	3 22	7 28	6 55	14 34	8 9	1 12
T 14	19 52	1 7	2 23	24 57	1 54	7 16	1 56	0s14	1 25	21 50	0 19	22 49	0 5	23 47	0 18	11 2	1 0	25 9	3 22	7 29	6 54	14 33	8 9	1 12
W15	20 6	2n54	1 20	24 50	1 45	7 43	1 56	0 28	1 25	21 50	0 20	22 49	0 5	23 47	0 18	11 1	1 0	25 9	3 22	7 30	6 53	14 32	8 8	1 12
T 16	20 19	6 54	0 11	24 41	1 34	8 10	1 56	0 42	1 25	21 51	0 20	22 48	0 6	23 47	0 18	11 1	1 0	25 9	3 22	7 30	6 52	14 31	8 7	1 12
F 17	20 31	10 41	1s 1	24 29	1 21	8 37	1 55	0 57	1 25	21 51	0 20	22 48	0 6	23 47	0 18	11 1	1 0	25 10	3 22	7 30	6 51	14 29	8 6	1 12
S 18	20 44	14 2	2 11	24 16	1 7	9 4	1 55	1 11	1 25	21 52	0 20	22 47	0 6	23 48	0 18	11 1	1 0	25 10	3 22	7 29	6 49	14 28	8 5	1 11
S 19	20 55	16 39	3 15	23 59	0 52	9 30	1 54	1 25	1 25	21 53	0 20	22 46	0 6	23 48	0 18	11 1	1 0	25 10	3 22	7 27	6 48	14 27	8 4	1 11
M20	21 7	18 17	4 8	23 41	0 35	9 57	1 54	1 39	1 25	21 53	0 21	22 46	0 6	23 48	0 18	11 1	1 0	25 10	3 23	7 24	6 47	14 25	8 4	1 11
T 21	21 18	18 45	4 46	23 21	0 17	10 23	1 53	1 53	1 25	21 54	0 21	22 45	0 6	23 48	0 18	11 1	1 0	25 11	3 23	7 22	6 46	14 24	8 3	1 11
W22	21 29	17 57	5 5	22 58	0n 2	10 49	1 53	2 8	1 25	21 55	0 21	22 44	0 6	23 48	0 19	11 0	1 0	25 11	3 23	7 19	6 44	14 23	8 2	1 11
T 23	21 39	15 57	5 4	22 33	0 21	11 14	1 52	2 22	1 25	21 56	0 21	22 44	0 6	23 48	0 19	11 0	1 0	25 11	3 23	7 16	6 43	14 21	8 1	1 11
F 24	21 49	12 58	4 44	22 6	0 42	11 40	1 51	2 36	1 25	21 56	0 21	22 43	0 6	23 48	0 19	11 0	1 0	25 12	3 23	7 14	6 42	14 20	8 1	1 11
S 25	21 58	9 15	4 6	21 38	1 2	12 5	1 50	2 50	1 26	21 57	0 21	22 43	0 6	23 48	0 19	11 0	1 0	25 12	3 23	7 13	6 41	14 19	8 0	1 11
S 26	22 7	5 3	3 13	21 9	1 22	12 30	1 49	3 4	1 26	21 58	0 22	22 42	0 6	23 48	0 19	11 0	1 0	25 12	3 23	7 12	6 40	14 17	7 59	1 10
M27	22 16	0 40	2 10	20 40	1 41	12 55	1 48	3 18	1 26	21 59	0 22	22 41	0 6	23 48	0 19	10 59	1 0	25 12	3 24	7 13	6 38	14 16	7 59	1 10
T 28	22 24	3s40	1 1	20 11	1 58	13 19	1 47	3 32	1 26	22 0	0 22	22 41	0 6	23 48	0 19	10 59	1 0	25 13	3 24	7 13	6 37	14 15	7 58	1 10
W29	22 32	7 45	0n10	19 44	2 14	13 44	1 46	3 46	1 26	22 1	0 22	22 40	0 6	23 48	0 19	10 59	1 0	25 13	3 24	7 13	6 36	14 13	7 57	1 10
T 30	22s39	11s24	1n19	19s19	2n27	14s 7	1n44	3s59	1n26	22n 2	0n22	22s39	0s 6	23n48	0n19	10s58	1s 0	25n13	3n24	7s13	6s35	14s12	7n57	1n10

Julian Day Number = 2157835.5, Delta T = 13m30s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'38, Lahiri = 12°38'39 Julian Calendar 1 Nov. 1195 == Greg. Calendar 8 Nov. 1195

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ASTRODIENST EPHEMERIS for the year 1195
geocentric

DECEMBER 1195 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 4 16	15♐37'05	16♏ 6	6°R52	14♏ 9	13♎59	22°R21	16♑23	3°R21	4♓ 7	21°R10	18°R16	16♎37	5♒50	17°R24	F 1
S 2	5 8 13	16°38'15	28°49	5♐51	15°23	14°34	22♋15	16°29	3♋19	4° 8	21♋ 9	18♎ 9	16°34	5°57	17♈23	S 2
S 3	5 12 9	17°39'25	11♐21	5° 1	16°37	15°10	22°10	16°36	3°16	4° 9	21° 8	18° 0	16°30	6° 4	17°22	S 3
M 4	5 16 6	18°40'36	23°43	4°21	17°52	15°45	22° 4	16°43	3°14	4°10	21° 7	17°49	16°27	6°10	17°21	M 4
T 5	5 20 2	19°41'48	5♑56	3°52	19° 6	16°21	21°59	16°49	3°11	4°11	21° 6	17°37	16°24	6°17	17°20	T 5
W 6	5 23 59	20°43'00	18° 0	3°34	20°20	16°56	21°53	16°56	3° 9	4°11	21° 4	17°24	16°21	6°24	17°19	W 6
T 7	5 27 55	21°44'12	29°57	3°D26	21°35	17°31	21°47	17° 2	3° 6	4°12	21° 3	17°13	16°18	6°31	17°18	T 7
F 8	5 31 52	22°45'24	11♒49	3°28	22°49	18° 7	21°40	17° 9	3° 4	4°13	21° 2	17° 3	16°15	6°37	17°17	F 8
S 9	5 35 49	23°46'36	23°38	3°39	24° 4	18°42	21°34	17°16	3° 1	4°14	21° 1	16°56	16°11	6°44	17°16	S 9
S 10	5 39 45	24°47'48	5♓29	3°58	25°18	19°17	21°28	17°23	2°59	4°15	21° 0	16°52	16° 8	6°51	17°16	S 10
M11	5 43 42	25°49'00	17°26	4°25	26°33	19°52	21°21	17°30	2°56	4°17	20°59	16°50	16° 5	6°57	17°15	M11
T 12	5 47 38	26°50'12	29°35	4°58	27°47	20°27	21°14	17°36	2°53	4°18	20°57	16°D49	16° 2	7° 4	17°14	T 12
W13	5 51 35	27°51'23	12♈ 1	5°37	29° 2	21° 2	21° 8	17°43	2°51	4°19	20°56	16°R50	15°59	7°11	17°14	W13
T 14	5 55 31	28°52'34	24°48	6°22	0♐16	21°37	21° 1	17°50	2°48	4°20	20°55	16°49	15°56	7°17	17°13	T 14
F 15	5 59 28	29°53'46	8♉ 2	7°12	1°31	22°12	20°54	17°57	2°46	4°21	20°54	16°48	15°52	7°24	17°13	F 15
S 16	6 3 24	0♑54'57	21°45	8° 5	2°46	22°46	20°47	18° 4	2°43	4°22	20°53	16°43	15°49	7°31	17°13	S 16
S 17	6 7 21	1°56'07	5♊57	9° 3	4° 0	23°21	20°39	18°11	2°40	4°24	20°51	16°36	15°46	7°38	17°12	S 17
M18	6 11 18	2°57'18	20°36	10° 4	5°15	23°56	20°32	18°18	2°38	4°25	20°50	16°27	15°43	7°44	17°12	M18
T 19	6 15 14	3°58'28	5♋34	11° 8	6°29	24°30	20°25	18°25	2°35	4°26	20°49	16°16	15°40	7°51	17°12	T 19
W20	6 19 11	4°59'38	20°43	12°15	7°44	25° 5	20°17	18°32	2°33	4°28	20°48	16° 4	15°36	7°58	17°12	W20
T 21	6 23 7	6° 0'48	5♌51	13°24	8°59	25°40	20°10	18°39	2°30	4°29	20°46	15°53	15°33	8° 5	17°12	T 21
F 22	6 27 4	7° 1'58	20°49	14°36	10°13	26°14	20° 2	18°46	2°28	4°30	20°45	15°45	15°30	8°11	17°D12	F 22
S 23	6 31 0	8° 3'07	5♍29	15°49	11°28	26°48	19°54	18°53	2°25	4°32	20°44	15°39	15°27	8°18	17°12	S 23
S 24	6 34 57	9° 4'17	19°46	17° 4	12°43	27°23	19°46	19° 0	2°22	4°33	20°42	15°36	15°24	8°25	17°12	S 24
M25	6 38 53	10° 5'26	3♎38	18°21	13°58	27°57	19°39	19° 7	2°20	4°35	20°41	15°35	15°21	8°31	17°12	M25
T 26	6 42 50	11° 6'36	17° 8	19°39	15°12	28°31	19°31	19°14	2°17	4°36	20°40	15°35	15°17	8°38	17°12	T 26
W27	6 46 47	12° 7'45	0♏17	20°58	16°27	29° 5	19°23	19°21	2°15	4°38	20°38	15°34	15°14	8°45	17°13	W27
T 28	6 50 43	13° 8'54	13° 9	22°19	17°42	29°39	19°15	19°28	2°12	4°39	20°37	15°32	15°11	8°51	17°13	T 28
F 29	6 54 40	14°10'03	25°46	23°40	18°57	0♏13	19° 7	19°36	2°10	4°41	20°36	15°27	15° 8	8°58	17°13	F 29
S 30	6 58 36	15°11'11	8♐12	25° 3	20°12	0°47	18°59	19°43	2° 7	4°42	20°34	15°20	15° 5	9° 5	17°14	S 30
S 31	7 2 33	16♑12'19	20♐28	26♐27	21♐26	1♏21	18♋51	19♑50	2♋ 5	4♓44	20♋33	15♎ 9	15♎ 2	9♒12	17♈14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s46	14s27	2n23	18s57	2n38	14s31	1n43	4s13	1n26	22n 3	0n23	22s38	0s 7	23n49	0n19	10s58	1s 0	25n14	3n24	7s11	6s33	14s11	7n56	1n10
S 2	22 52	16 45	3 19	18 38	2 47	14 54	1 41	4 27	1 26	22 4	0 23	22 38	0 7	23 49	0 19	10 58	1 0	25 14	3 24	7 9	6 32	14 9	7 55	1 10
S 3	22 58	18 13	4 4	18 23	2 53	15 17	1 40	4 41	1 26	22 5	0 23	22 37	0 7	23 49	0 19	10 58	1 0	25 14	3 24	7 6	6 31	14 8	7 55	1 10
M 4	23 3	18 47	4 37	18 12	2 58	15 39	1 38	4 54	1 26	22 6	0 23	22 36	0 7	23 49	0 19	10 57	1 0	25 14	3 24	7 1	6 30	14 7	7 54	1 9
T 5	23 8	18 28	4 57	18 4	3 0	16 1	1 37	5 8	1 26	22 7	0 23	22 35	0 7	23 49	0 19	10 57	1 0	25 15	3 24	6 57	6 29	14 5	7 54	1 9
W 6	23 13	17 19	5 3	18 0	3 0	16 23	1 35	5 22	1 26	22 8	0 23	22 35	0 7	23 49	0 19	10 57	1 0	25 15	3 25	6 52	6 27	14 4	7 53	1 9
T 7	23 17	15 26	4 55	18 0	2 59	16 44	1 33	5 35	1 26	22 10	0 24	22 34	0 7	23 49	0 19	10 56	1 0	25 15	3 25	6 47	6 26	14 3	7 53	1 9
F 8	23 21	12 55	4 35	18 3	2 56	17 5	1 32	5 49	1 26	22 11	0 24	22 33	0 7	23 49	0 19	10 56	1 0	25 16	3 25	6 44	6 25	14 1	7 53	1 9
S 9	23 24	9 52	4 4	18 9	2 52	17 25	1 30	6 2	1 26	22 12	0 24	22 32	0 7	23 49	0 19	10 55	1 0	25 16	3 25	6 41	6 24	14 0	7 52	1 9
S 10	23 26	6 25	3 21	18 17	2 47	17 45	1 28	6 15	1 26	22 13	0 24	22 32	0 7	23 49	0 19	10 55	1 0	25 16	3 25	6 39	6 22	13 59	7 52	1 9
M11	23 28	2 41	2 29	18 28	2 42	18 4	1 26	6 29	1 26	22 14	0 24	22 31	0 7	23 49	0 19	10 55	1 0	25 16	3 25	6 38	6 21	13 57	7 51	1 8
T 12	23 30	1n13	1 30	18 40	2 35	18 23	1 24	6 42	1 26	22 16	0 24	22 30	0 7	23 49	0 19	10 54	1 0	25 17	3 25	6 38	6 20	13 56	7 51	1 8
W13	23 31	5 10	0 26	18 54	2 28	18 42	1 22	6 55	1 26	22 17	0 25	22 29	0 7	23 49	0 19	10 54	1 0	25 17	3 25	6 38	6 19	13 55	7 51	1 8
T 14	23 32	8 59	0s42	19 9	2 21	19 0	1 20	7 8	1 26	22 18	0 25	22 28	0 7	23 49	0 19	10 53	1 0	25 17	3 26	6 38	6 18	13 53	7 50	1 8
F 15	23 32	12 31	1 50	19 25	2 13	19 17	1 17	7 21	1 26	22 19	0 25	22 27	0 8	23 50	0 19	10 53	1 0	25 18	3 26	6 38	6 16	13 52	7 50	1 8
S 16	23 32	15 29	2 54	19 42	2 5	19 34	1 15	7 34	1 26	22 21	0 25	22 26	0 8	23 50	0 19	10 52	1 0	25 18	3 26	6 36	6 15	13 51	7 50	1 8
S 17	23 32	17 38	3 49	19 59	1 57	19 51	1 13	7 47	1 26	22 22	0 25	22 26	0 8	23 50	0 19	10 52	1 0	25 18	3 26	6 33	6 14	13 49	7 50	1 8
M18	23 30	18 42	4 31	20 16	1 48	20 6	1 11	8 0	1 26	22 23	0 25	22 25	0 8	23 50	0 19	10 51	1 0	25 19	3 26	6 30	6 13	13 48	7 49	1 7
T 19	23 29	18 30	4 55	20 34	1 39	20 22	1 8	8 13	1 26	22 24	0 26	22 24	0 8	23 50	0 19	10 51	1 0	25 19	3 26	6 25	6 11	13 46	7 49	1 7
W20	23 27	17 0	5 0	20 52	1 31	20 36	1 6	8 25	1 25	22 26	0 26	22 23	0 8	23 50	0 19	10 50	1 0	25 19	3 26	6 21	6 10	13 45	7 49	1 7
T 21	23 24	14 19	4 43	21 9	1 22	20 51	1 4	8 38	1 25	22 27	0 26	22 22	0 8	23 50	0 19	10 50	0 59	25 19	3 26	6 17	6 9	13 44	7 49	1 7
F 22	23 21	10 43	4 7	21 26	1 13	21 4	1 1	8 51	1 25	22 28	0 26	22 21	0 8	23 50	0 19	10 49	0 59	25 20	3 26	6 13	6 8	13 42	7 49	1 7
S 23	23 18	6 31	3 15	21 43	1 5	21 17	0 59	9 3	1 25	22 29	0 26	22 20	0 8	23 50	0 19	10 49	0 59	25 20	3 26	6 11	6 6	13 41	7 49	1 7
S 24	23 14	2 3	2 12	21 59	0 56	21 29	0 56	9 16	1 25	22 31	0 26	22 19	0 8	23 50	0 19	10 48	0 59	25 20	3 26	6 10	6 5	13 40	7 48	1 7
M25	23 9	2s25	1 3	22 15	0 47	21 41	0 54	9 28	1 25	22 32	0 27	22 18	0 8	23 50	0 19	10 48	0 59	25 21	3 27	6 10	6 4	13 38	7 48	1 7
T 26	23 4	6 38	0n 8	22 29	0 39	21 52	0 51	9 40	1 25	22 33	0 27	22 17	0 8	23 50	0 19	10 47	0 59	25 21	3 27	6 10	6 3	13 37	7 48	1 6
W27	22 59	10 25	1 17	22 44	0 30	22 3	0 49	9 52	1 25	22 35	0 27	22 17	0 8	23 50	0 19	10 47	0 59	25 21	3 27	6 9	6 2	13 36	7 48	1 6
T 28	22 53	13 37	2 20	22 57	0 22	22 12	0 46	10 4	1 25	22 36	0 27	22 16	0 8	23 50	0 19	10 46	0 59	25 21	3 27	6 8	6 0	13 34	7 48	1 6
F 29	22 47	16 7	3 15	23 9	0 14	22 21	0 43	10 17	1 25	22 37	0 27	22 15	0 9	23 50	0 19	10 45	0 59	25 22	3 27	6 7	5 59	13 33	7 48	1 6
S 30	22 40	17 49	4 0	23 21	0 6	22 30	0 41	10 28	1 25	22 38	0 27	22 14	0 9	23 50	0 19	10 45	0 59	25 22	3 27	6 4	5 58	13 31	7 48	1 6
S 31	22s33	18s40	4n33	23s31	0s 2	22s38	0n38	10s40	1n25	22n40	0n27	22s13	0s 9	23n50	0n19	10s44	0s59	25n22	3n27	5s59	5s57	13s30	7n49	1n 6

Julian Day Number = 2157865.5, Delta T = 13m30s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'42, Lahiri = 12°38'43 Julian Calendar 1 Dec. 1195 == Greg. Calendar 8 Dec. 1195

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

JANUARY 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 6 29	17♑13'27	2♑38	27♐51	22♐41	1♏55	18°R43	19♑57	2°R 2	4♓46	20°R32	14°R55	14♎58	9♒18	17♈15	M 1
T 2	7 10 26	18°14'34	14°40	29°17	23°56	2°28	18♋35	20° 4	2♋ 0	4°47	20♋30	14♎40	14°55	9°25	17°16	T 2
W 3	7 14 22	19°15'40	26°38	0♑43	25°11	3° 2	18°27	20°11	1°57	4°49	20°29	14°25	14°52	9°32	17°16	W 3
T 4	7 18 19	20°16'45	8♒31	2°10	26°26	3°35	18°19	20°18	1°55	4°51	20°28	14°11	14°49	9°38	17°17	T 4
F 5	7 22 16	21°17'50	20°21	3°38	27°40	4° 9	18°11	20°26	1°52	4°53	20°26	13°58	14°46	9°45	17°18	F 5
S 6	7 26 12	22°18'53	2♓11	5° 6	28°55	4°42	18° 2	20°33	1°50	4°54	20°25	13°49	14°42	9°52	17°19	S 6
S 7	7 30 9	23°19'55	14° 2	6°36	0♑10	5°15	17°54	20°40	1°48	4°56	20°24	13°43	14°39	9°59	17°20	S 7
M 8	7 34 5	24°20'57	25°59	8° 6	1°25	5°49	17°47	20°47	1°45	4°58	20°22	13°39	14°36	10° 5	17°21	M 8
T 9	7 38 2	25°21'57	8♈ 6	9°36	2°40	6°22	17°39	20°54	1°43	5° 0	20°21	13°38	14°33	10°12	17°22	T 9
W10	7 41 58	26°22'56	20°27	11° 7	3°55	6°55	17°31	21° 1	1°41	5° 2	20°20	13°38	14°30	10°19	17°23	W10
T 11	7 45 55	27°23'53	3♉ 9	12°39	5° 9	7°27	17°23	21° 8	1°38	5° 4	20°18	13°38	14°27	10°25	17°24	T 11
F 12	7 49 51	28°24'50	16°15	14°12	6°24	8° 0	17°15	21°16	1°36	5° 5	20°17	13°37	14°23	10°32	17°25	F 12
S 13	7 53 48	29°25'45	29°50	15°46	7°39	8°33	17° 7	21°23	1°34	5° 7	20°16	13°33	14°20	10°39	17°26	S 13
S 14	7 57 45	0♒26'38	13♊55	17°20	8°54	9° 5	17° 0	21°30	1°32	5° 9	20°14	13°27	14°17	10°46	17°28	S 14
M15	8 1 41	1°27'31	28°31	18°54	10° 9	9°38	16°52	21°37	1°29	5°11	20°13	13°19	14°14	10°52	17°29	M15
T 16	8 5 38	2°28'22	13♋30	20°30	11°23	10°10	16°45	21°44	1°27	5°13	20°12	13° 9	14°11	10°59	17°30	T 16
W17	8 9 34	3°29'12	28°46	22° 6	12°38	10°42	16°37	21°51	1°25	5°15	20°10	12°58	14° 8	11° 6	17°32	W17
T 18	8 13 31	4°30'00	14♌ 8	23°43	13°53	11°15	16°30	21°58	1°23	5°17	20° 9	12°48	14° 4	11°12	17°33	T 18
F 19	8 17 27	5°30'47	29°23	25°21	15° 8	11°47	16°22	22° 5	1°21	5°19	20° 8	12°40	14° 1	11°19	17°35	F 19
S 20	8 21 24	6°31'33	14♍21	26°59	16°23	12°19	16°15	22°12	1°19	5°21	20° 6	12°34	13°58	11°26	17°37	S 20
S 21	8 25 20	7°32'18	28°55	28°39	17°38	12°50	16° 8	22°19	1°17	5°23	20° 5	12°31	13°55	11°33	17°38	S 21
M22	8 29 17	8°33'01	13♎ 2	0♒19	18°52	13°22	16° 1	22°26	1°15	5°25	20° 4	12°D31	13°52	11°39	17°40	M22
T 23	8 33 14	9°33'44	26°41	2° 0	20° 7	13°54	15°54	22°33	1°13	5°27	20° 3	12°31	13°48	11°46	17°42	T 23
W24	8 37 10	10°34'26	9♏54	3°41	21°22	14°25	15°48	22°40	1°12	5°30	20° 1	12°R32	13°45	11°53	17°44	W24
T 25	8 41 7	11°35'06	22°44	5°24	22°37	14°57	15°41	22°47	1°10	5°32	20° 0	12°31	13°42	11°59	17°46	T 25
F 26	8 45 3	12°35'45	5♐17	7° 7	23°52	15°28	15°35	22°54	1° 8	5°34	19°59	12°28	13°39	12° 6	17°48	F 26
S 27	8 49 0	13°36'23	17°35	8°52	25° 7	15°59	15°28	23° 1	1° 6	5°36	19°58	12°23	13°36	12°13	17°50	S 27
S 28	8 52 56	14°37'00	29°42	10°37	26°21	16°30	15°22	23° 8	1° 5	5°38	19°56	12°15	13°33	12°19	17°52	S 28
M29	8 56 53	15°37'36	11♑42	12°23	27°36	17° 1	15°16	23°14	1° 3	5°40	19°55	12° 6	13°29	12°26	17°54	M29
T 30	9 0 49	16°38'09	23°37	14°10	28°51	17°31	15°10	23°21	1° 1	5°42	19°54	11°55	13°26	12°33	17°56	T 30
W31	9 4 46	17♒38'42	5♒30	15♒57	0♒ 6	18♏ 2	15♋ 4	23♑28	1♋ 0	5♓45	19♋53	11♎43	13♎23	12♒40	17♈58	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s26	18s38	4n53	23s41	0s10	22s45	0n36	10s52	1n24	22n41	0n28	22s12	0s 9	23n50	0n19	10s43	0s59	25n23	3n27	5s54	5s55	13s29	7n49	1n 6
T 2	22 18	17 46	4 59	23 49	0 17	22 51	0 33	11 4	1 24	22 42	0 28	22 11	0 9	23 51	0 19	10 43	0 59	25 23	3 27	5 48	5 54	13 27	7 49	1 5
W 3	22 9	16 8	4 53	23 57	0 24	22 57	0 30	11 15	1 24	22 44	0 28	22 10	0 9	23 51	0 19	10 42	0 59	25 23	3 27	5 42	5 53	13 26	7 49	1 5
T 4	22 0	13 49	4 33	24 3	0 32	23 2	0 28	11 27	1 24	22 45	0 28	22 9	0 9	23 51	0 19	10 42	0 59	25 23	3 27	5 37	5 52	13 24	7 49	1 5
F 5	21 51	10 56	4 2	24 8	0 39	23 6	0 25	11 38	1 24	22 46	0 28	22 8	0 9	23 51	0 19	10 41	0 59	25 24	3 27	5 32	5 50	13 23	7 49	1 5
S 6	21 41	7 37	3 20	24 12	0 45	23 10	0 22	11 50	1 24	22 47	0 28	22 7	0 9	23 51	0 19	10 40	0 59	25 24	3 28	5 28	5 49	13 22	7 49	1 5
S 7	21 31	4 0	2 30	24 14	0 52	23 13	0 19	12 1	1 24	22 48	0 28	22 6	0 9	23 51	0 19	10 40	0 59	25 24	3 28	5 26	5 48	13 20	7 50	1 5
M 8	21 20	0 12	1 32	24 16	0 58	23 15	0 17	12 12	1 23	22 50	0 29	22 5	0 9	23 51	0 19	10 39	0 59	25 25	3 28	5 25	5 47	13 19	7 50	1 5
T 9	21 9	3n40	0 29	24 16	1 4	23 17	0 14	12 23	1 23	22 51	0 29	22 4	0 9	23 51	0 19	10 38	0 59	25 25	3 28	5 24	5 45	13 17	7 50	1 5
W10	20 58	7 28	0s36	24 14	1 10	23 18	0 11	12 34	1 23	22 52	0 29	22 3	0 9	23 51	0 19	10 37	0 59	25 25	3 28	5 24	5 44	13 16	7 51	1 4
T 11	20 46	11 1	1 42	24 11	1 16	23 18	0 9	12 45	1 23	22 53	0 29	22 2	0 9	23 51	0 19	10 37	0 59	25 25	3 28	5 24	5 43	13 15	7 51	1 4
F 12	20 34	14 9	2 44	24 7	1 21	23 17	0 6	12 56	1 23	22 54	0 29	22 1	0 10	23 51	0 19	10 36	0 59	25 26	3 28	5 24	5 42	13 13	7 51	1 4
S 13	20 21	16 38	3 39	24 2	1 26	23 16	0 3	13 7	1 22	22 55	0 29	22 0	0 10	23 51	0 19	10 35	0 59	25 26	3 28	5 22	5 41	13 12	7 52	1 4
S 14	20 8	18 13	4 23	23 55	1 31	23 14	0 1	13 17	1 22	22 56	0 29	21 59	0 10	23 51	0 19	10 35	0 59	25 26	3 28	5 20	5 39	13 10	7 52	1 4
M15	19 55	18 40	4 52	23 47	1 35	23 11	0s 2	13 28	1 22	22 57	0 29	21 57	0 10	23 51	0 19	10 34	0 59	25 26	3 28	5 17	5 38	13 9	7 52	1 4
T 16	19 42	17 51	5 2	23 37	1 40	23 8	0 5	13 38	1 22	22 58	0 29	21 56	0 10	23 51	0 19	10 33	0 59	25 27	3 28	5 13	5 37	13 8	7 53	1 4
W17	19 27	15 45	4 51	23 25	1 44	23 3	0 7	13 49	1 21	22 59	0 30	21 55	0 10	23 51	0 19	10 32	0 59	25 27	3 28	5 9	5 36	13 6	7 53	1 3
T 18	19 13	12 32	4 19	23 13	1 47	22 59	0 10	13 59	1 21	23 0	0 30	21 54	0 10	23 51	0 19	10 32	0 59	25 27	3 28	5 5	5 34	13 5	7 54	1 3
F 19	18 58	8 29	3 28	22 58	1 51	22 53	0 12	14 9	1 21	23 1	0 30	21 53	0 10	23 51	0 19	10 31	0 59	25 27	3 28	5 1	5 33	13 3	7 54	1 3
S 20	18 43	3 58	2 24	22 42	1 54	22 47	0 15	14 19	1 21	23 2	0 30	21 52	0 10	23 51	0 19	10 30	0 59	25 28	3 28	4 59	5 32	13 2	7 55	1 3
S 21	18 28	0s40	1 12	22 25	1 56	22 40	0 17	14 29	1 20	23 3	0 30	21 51	0 10	23 51	0 19	10 29	0 59	25 28	3 28	4 58	5 31	13 0	7 55	1 3
M22	18 12	5 7	0n 3	22 6	1 59	22 32	0 20	14 39	1 20	23 4	0 30	21 50	0 10	23 51	0 19	10 29	0 59	25 28	3 28	4 58	5 29	12 59	7 56	1 3
T 23	17 56	9 10	1 15	21 45	2 0	22 24	0 22	14 48	1 20	23 5	0 30	21 49	0 10	23 51	0 19	10 28	0 59	25 28	3 28	4 58	5 28	12 58	7 56	1 3
W24	17 40	12 37	2 21	21 23	2 2	22 15	0 25	14 58	1 19	23 6	0 30	21 48	0 10	23 51	0 19	10 27	0 59	25 29	3 28	4 58	5 27	12 56	7 57	1 3
T 25	17 23	15 21	3 17	20 59	2 3	22 5	0 27	15 8	1 19	23 7	0 30	21 47	0 11	23 51	0 19	10 26	0 59	25 29	3 29	4 58	5 26	12 55	7 58	1 2
F 26	17 6	17 17	4 3	20 34	2 4	21 55	0 30	15 17	1 19	23 8	0 30	21 46	0 11	23 51	0 19	10 26	0 59	25 29	3 29	4 57	5 24	12 53	7 58	1 2
S 27	16 49	18 22	4 37	20 7	2 4	21 44	0 32	15 26	1 18	23 9	0 30	21 45	0 11	23 51	0 19	10 25	0 59	25 29	3 29	4 55	5 23	12 52	7 59	1 2
S 28	16 31	18 35	4 57	19 39	2 4	21 32	0 34	15 36	1 18	23 9	0 31	21 44	0 11	23 51	0 19	10 24	0 59	25 29	3 29	4 52	5 22	12 50	8 0	1 2
M29	16 13	17 58	5 5	19 8	2 4	21 20	0 37	15 45	1 18	23 10	0 31	21 43	0 11	23 51	0 19	10 23	0 59	25 30	3 29	4 48	5 21	12 49	8 0	1 2
T 30	15 55	16 34	4 58	18 36	2 3	21 7	0 39	15 54	1 17	23 11	0 31	21 41	0 11	23 51	0 19	10 22	0 59	25 30	3 29	4 44	5 20	12 48	8 1	1 2
W31	15s37	14s28	4n39	18s 3	2s 1	20s53	0s41	16s 3	1n17	23n12	0n31	21s40	0s11	23n51	0n19	10s22	0s59	25n30	3n29	4s39	5s18	12s46	8n 2	1n 2

Julian Day Number = 2157896.5, Delta T = 13m30s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'47, Lahiri = 12°38'47 Julian Calendar 1 Jan. 1196 == Greg. Calendar 8 Jan. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

FEBRUARY 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 8 43	18♒39'13	17♒20	17♒46	1♒21	18♏32	14°R58	23♑35	0°R58	5♓47	19°R52	11°R33	13♎20	12♒46	18♈ 0	T 1
F 2	9 12 39	19°39'42	29°11	19°36	2°35	19° 2	14♋53	23°41	0♋57	5°49	19♋51	11♎24	13°17	12°53	18° 3	F 2
S 3	9 16 36	20°40'09	11♓ 4	21°26	3°50	19°32	14°48	23°48	0°55	5°51	19°49	11°17	13°13	13° 0	18° 5	S 3
S 4	9 20 32	21°40'35	23° 1	23°17	5° 5	20° 2	14°42	23°55	0°54	5°53	19°48	11°13	13°10	13° 6	18° 7	S 4
M 5	9 24 29	22°40'59	5♈ 3	25° 9	6°20	20°32	14°37	24° 1	0°53	5°56	19°47	11°11	13° 7	13°13	18°10	M 5
T 6	9 28 25	23°41'21	17°15	27° 2	7°34	21° 2	14°33	24° 8	0°51	5°58	19°46	11°D11	13° 4	13°20	18°12	T 6
W 7	9 32 22	24°41'41	29°40	28°55	8°49	21°31	14°28	24°14	0°50	6° 0	19°45	11°12	13° 1	13°27	18°15	W 7
T 8	9 36 18	25°41'59	12♉21	0♓49	10° 4	22° 0	14°23	24°21	0°49	6° 2	19°44	11°13	12°58	13°33	18°17	T 8
F 9	9 40 15	26°42'15	25°23	2°43	11°19	22°29	14°19	24°27	0°48	6° 5	19°43	11°R14	12°54	13°40	18°20	F 9
S 10	9 44 12	27°42'29	8♊50	4°38	12°33	22°58	14°15	24°34	0°47	6° 7	19°42	11°13	12°51	13°47	18°22	S 10
S 11	9 48 8	28°42'40	22°44	6°33	13°48	23°27	14°11	24°40	0°46	6° 9	19°41	11°11	12°48	13°53	18°25	S 11
M12	9 52 5	29°42'50	7♋ 4	8°27	15° 3	23°56	14° 7	24°46	0°45	6°11	19°40	11° 7	12°45	14° 0	18°28	M12
T 13	9 56 1	0♓42'57	21°50	10°22	16°18	24°24	14° 3	24°53	0°44	6°14	19°39	11° 1	12°42	14° 7	18°30	T 13
W14	9 59 58	1°43'03	6♌53	12°15	17°32	24°52	14° 0	24°59	0°43	6°16	19°38	10°55	12°39	14°13	18°33	W14
T 15	10 3 54	2°43'06	22° 7	14° 8	18°47	25°20	13°57	25° 5	0°42	6°18	19°37	10°50	12°35	14°20	18°36	T 15
F 16	10 7 51	3°43'07	7♍21	16° 0	20° 2	25°48	13°54	25°11	0°41	6°20	19°36	10°45	12°32	14°27	18°39	F 16
S 17	10 11 47	4°43'07	22°24	17°50	21°16	26°15	13°51	25°17	0°40	6°23	19°35	10°42	12°29	14°34	18°42	S 17
S 18	10 15 44	5°43'04	7♎ 7	19°38	22°31	26°43	13°48	25°23	0°40	6°25	19°34	10°D41	12°26	14°40	18°45	S 18
M19	10 19 41	6°43'00	21°25	21°24	23°45	27°10	13°45	25°29	0°39	6°27	19°34	10°41	12°23	14°47	18°48	M19
T 20	10 23 37	7°42'54	5♏16	23° 7	25° 0	27°37	13°43	25°35	0°38	6°30	19°33	10°42	12°19	14°54	18°51	T 20
W21	10 27 34	8°42'46	18°39	24°46	26°15	28° 4	13°41	25°41	0°38	6°32	19°32	10°44	12°16	15° 0	18°54	W21
T 22	10 31 30	9°42'37	1♐37	26°22	27°29	28°30	13°39	25°47	0°37	6°34	19°31	10°45	12°13	15° 7	18°57	T 22
F 23	10 35 27	10°42'26	14°13	27°52	28°44	28°56	13°37	25°53	0°37	6°36	19°30	10°R45	12°10	15°14	19° 0	F 23
S 24	10 39 23	11°42'13	26°31	29°18	29°59	29°22	13°36	25°58	0°37	6°39	19°30	10°44	12° 7	15°20	19° 3	S 24
S 25	10 43 20	12°41'58	8♑37	0♈39	1♓13	29°48	13°34	26° 4	0°36	6°41	19°29	10°42	12° 4	15°27	19° 6	S 25
M26	10 47 16	13°41'42	20°33	1°53	2°28	0♐14	13°33	26°10	0°36	6°43	19°28	10°38	12° 0	15°34	19° 9	M26
T 27	10 51 13	14°41'24	2♒25	3° 2	3°42	0°39	13°32	26°15	0°36	6°45	19°27	10°34	11°57	15°41	19°12	T 27
W28	10 55 10	15°41'04	14°15	4° 3	4°57	1° 4	13°31	26°21	0°36	6°48	19°27	10°30	11°54	15°47	19°16	W28
T 29	10 59 6	16♓40'42	26♒ 6	4♈57	6♓11	1♐29	13♋31	26♑26	0♋35	6♓50	19♋26	10♎25	11♎51	15♒54	19♈19	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s18	11s46	4n 8	17s28	1s59	20s39	0s43	16s11	1n17	23n12	0n31	21s39	0s11	23n51	0n19	10s21	0s59	25n30	3n29	4s35	5s17	12s45	8n 2	1n 2	
F 2	14 59	8 35	3 26	16 51	1 57	20 24	0 45	16 20	1 16	23 13	0 31	21 38	0 11	23 51	0 19	10 20	0 59	25 30	3 29	4 32	5 16	12 43	8 3	1 1	
S 3	14 40	5 4	2 35	16 13	1 54	20 9	0 47	16 29	1 16	23 14	0 31	21 37	0 11	23 51	0 19	10 19	0 59	25 31	3 29	4 29	5 15	12 42	8 4	1 1	
S 4	14 20	1 19	1 36	15 33	1 51	19 53	0 50	16 37	1 15	23 14	0 31	21 36	0 11	23 51	0 19	10 18	0 59	25 31	3 29	4 27	5 13	12 40	8 5	1 1	
M 5	14 1	2n31	0 33	14 52	1 46	19 36	0 52	16 45	1 15	23 15	0 31	21 35	0 11	23 51	0 19	10 17	0 59	25 31	3 29	4 26	5 12	12 39	8 6	1 1	
T 6	13 41	6 18	0s33	14 9	1 42	19 19	0 53	16 54	1 14	23 16	0 31	21 34	0 12	23 51	0 19	10 17	0 59	25 31	3 29	4 26	5 11	12 38	8 6	1 1	
W 7	13 21	9 52	1 38	13 24	1 37	19 1	0 55	17 2	1 14	23 16	0 31	21 33	0 12	23 51	0 19	10 16	0 59	25 31	3 29	4 27	5 10	12 36	8 7	1 1	
T 8	13 0	13 4	2 41	12 39	1 31	18 43	0 57	17 10	1 13	23 17	0 31	21 32	0 12	23 51	0 19	10 15	0 59	25 32	3 29	4 27	5 8	12 35	8 8	1 1	
F 9	12 40	15 41	3 36	11 51	1 24	18 24	0 59	17 18	1 13	23 17	0 31	21 31	0 12	23 51	0 19	10 14	0 59	25 32	3 29	4 28	5 7	12 33	8 9	1 1	
S 10	12 19	17 33	4 22	11 3	1 17	18 5	1 1	17 26	1 12	23 18	0 31	21 30	0 12	23 51	0 19	10 13	0 59	25 32	3 29	4 27	5 6	12 32	8 10	1 1	
S 11	11 58	18 27	4 54	10 13	1 10	17 45	1 3	17 33	1 12	23 18	0 31	21 29	0 12	23 51	0 19	10 12	0 59	25 32	3 29	4 27	5 5	12 30	8 11	1 0	
M12	11 37	18 12	5 9	9 23	1 1	17 25	1 4	17 41	1 11	23 19	0 31	21 28	0 12	23 51	0 19	10 12	0 59	25 32	3 29	4 25	5 3	12 29	8 12	1 0	
T 13	11 16	16 45	5 4	8 31	0 52	17 4	1 6	17 49	1 11	23 19	0 31	21 27	0 12	23 51	0 19	10 11	0 59	25 32	3 29	4 23	5 2	12 27	8 13	1 0	
W14	10 55	14 8	4 39	7 39	0 43	16 43	1 7	17 56	1 10	23 19	0 32	21 26	0 12	23 51	0 19	10 10	0 59	25 33	3 29	4 20	5 1	12 26	8 14	1 0	
T 15	10 33	10 31	3 54	6 46	0 33	16 21	1 9	18 3	1 9	23 20	0 32	21 25	0 12	23 51	0 19	10 9	0 59	25 33	3 29	4 18	5 0	12 24	8 15	1 0	
F 16	10 11	6 12	2 51	5 53	0 22	15 59	1 10	18 10	1 9	23 20	0 32	21 23	0 12	23 51	0 19	10 8	0 59	25 33	3 29	4 16	4 58	12 23	8 16	1 0	
S 17	9 49	1 32	1 38	4 59	0 11	15 36	1 12	18 18	1 8	23 21	0 32	21 22	0 12	23 51	0 19	10 7	0 59	25 33	3 29	4 15	4 57	12 21	8 17	1 0	
S 18	9 27	3s 8	0 19	4 6	0n 1	15 13	1 13	18 25	1 8	23 21	0 32	21 21	0 13	23 51	0 19	10 7	0 59	25 33	3 29	4 15	4 56	12 20	8 18	1 0	
M19	9 5	7 29	0n58	3 13	0 14	14 50	1 14	18 31	1 7	23 21	0 32	21 20	0 13	23 51	0 19	10 6	0 59	25 33	3 29	4 15	4 55	12 19	8 19	1 0	
T 20	8 43	11 17	2 10	2 21	0 26	14 26	1 15	18 38	1 6	23 21	0 32	21 19	0 13	23 51	0 19	10 5	0 59	25 33	3 29	4 15	4 53	12 17	8 20	0 59	
W21	8 20	14 21	3 13	1 29	0 39	14 1	1 17	18 45	1 5	23 22	0 32	21 18	0 13	23 51	0 19	10 4	0 59	25 33	3 29	4 16	4 52	12 16	8 21	0 59	
T 22	7 58	16 36	4 3	0 39	0 52	13 37	1 18	18 52	1 5	23 22	0 32	21 17	0 13	23 51	0 19	10 3	0 59	25 34	3 29	4 16	4 51	12 14	8 22	0 59	
F 23	7 35	17 58	4 40	0n 9	1 6	13 12	1 19	18 58	1 4	23 22	0 32	21 16	0 13	23 51	0 19	10 2	0 59	25 34	3 29	4 16	4 50	12 13	8 23	0 59	
S 24	7 12	18 26	5 4	0 56	1 19	12 46	1 20	19 4	1 3	23 22	0 32	21 15	0 13	23 51	0 19	10 2	0 59	25 34	3 29	4 16	4 48	12 11	8 24	0 59	
S 25	6 49	18 3	5 13	1 40	1 33	12 21	1 21	19 11	1 2	23 23	0 32	21 14	0 13	23 51	0 19	10 1	0 59	25 34	3 29	4 15	4 47	12 10	8 25	0 59	
M26	6 26	16 52	5 9	2 22	1 46	11 54	1 21	19 17	1 2	23 23	0 32	21 13	0 13	23 51	0 19	10 0	0 59	25 34	3 29	4 14	4 46	12 8	8 26	0 59	
T 27	6 3	14 59	4 51	3 1	1 59	11 28	1 22	19 23	1 1	23 23	0 32	21 13	0 13	23 51	0 19	9 59	0 59	25 34	3 29	4 12	4 45	12 7	8 27	0 59	
W28	5 40	12 28	4 21	3 37	2 11	11 1	1 23	19 29	1 0	23 23	0 32	21 12	0 13	23 51	0 19	9 58	0 59	25 34	3 29	4 10	4 43	12 5	8 28	0 59	
T 29	5s17	9s26	3n40	4n10	2n23	10s34	1s24	19s35	0n59	23n23	0n32	21s11	0s14	23n51	0n19	9s57	0s59	25n34	3n29	4s 9	4s42	12s 4	8n30	0n59	

Julian Day Number = 2157927.5, Delta T = 13m30s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'51, Lahiri = 12°38'51 Julian Calendar 1 Feb. 1196 == Greg. Calendar 8 Feb. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

MARCH 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 3 3	17♓40'18	8♓ 0	5♈44	7♓26	1♐53	13°R30	26♑31	0°R35	6♓52	19°R25	10°R22	11♎48	16♒ 1	19♈22	F 1
S 2	11 6 59	18°39'52	19°59	6°24	8°41	2°17	13♋30	26°37	0°D35	6°54	19♋25	10♎19	11°45	16° 7	19°25	S 2
S 3	11 10 56	19°39'23	2♈ 5	6°55	9°55	2°41	13°D30	26°42	0♋35	6°57	19°24	10°18	11°41	16°14	19°29	S 3
M 4	11 14 52	20°38'53	14°20	7°19	11°10	3° 4	13°30	26°47	0°36	6°59	19°24	10°D18	11°38	16°21	19°32	M 4
T 5	11 18 49	21°38'21	26°45	7°35	12°24	3°28	13°31	26°52	0°36	7° 1	19°23	10°19	11°35	16°27	19°36	T 5
W 6	11 22 45	22°37'46	9♉22	7°43	13°39	3°51	13°31	26°57	0°36	7° 3	19°23	10°20	11°32	16°34	19°39	W 6
T 7	11 26 42	23°37'09	22°14	7°R43	14°53	4°13	13°32	27° 2	0°36	7° 6	19°22	10°21	11°29	16°41	19°42	T 7
F 8	11 30 38	24°36'30	5♊22	7°36	16° 8	4°35	13°33	27° 7	0°37	7° 8	19°22	10°22	11°25	16°48	19°46	F 8
S 9	11 34 35	25°35'48	18°49	7°21	17°22	4°57	13°34	27°12	0°37	7°10	19°21	10°23	11°22	16°54	19°49	S 9
S 10	11 38 32	26°35'04	2♋36	7° 0	18°36	5°19	13°36	27°17	0°37	7°12	19°21	10°R23	11°19	17° 1	19°53	S 10
M11	11 42 28	27°34'18	16°44	6°33	19°51	5°40	13°37	27°22	0°38	7°14	19°21	10°22	11°16	17° 8	19°56	M11
T 12	11 46 25	28°33'29	1♌10	6° 0	21° 5	6° 1	13°39	27°26	0°38	7°16	19°20	10°21	11°13	17°14	20° 0	T 12
W13	11 50 21	29°32'38	15°52	5°22	22°20	6°22	13°41	27°31	0°39	7°19	19°20	10°20	11°10	17°21	20° 3	W13
T 14	11 54 18	0♈31'45	0♍43	4°41	23°34	6°42	13°43	27°35	0°40	7°21	19°20	10°19	11° 6	17°28	20° 7	T 14
F 15	11 58 14	1°30'49	15°37	3°56	24°48	7° 1	13°45	27°40	0°40	7°23	19°19	10°18	11° 3	17°34	20°11	F 15
S 16	12 2 11	2°29'51	0♎26	3° 9	26° 3	7°21	13°48	27°44	0°41	7°25	19°19	10°18	11° 0	17°41	20°14	S 16
S 17	12 6 7	3°28'51	15° 3	2°21	27°17	7°40	13°50	27°48	0°42	7°27	19°19	10°D17	10°57	17°48	20°18	S 17
M18	12 10 4	4°27'49	29°20	1°33	28°31	7°58	13°53	27°52	0°43	7°29	19°19	10°18	10°54	17°54	20°21	M18
T 19	12 14 1	5°26'45	13♏14	0°46	29°46	8°17	13°56	27°56	0°44	7°31	19°18	10°18	10°50	18° 1	20°25	T 19
W20	12 17 57	6°25'39	26°43	29♓59	1♈ 0	8°34	13°59	28° 0	0°45	7°33	19°18	10°19	10°47	18° 8	20°29	W20
T 21	12 21 54	7°24'31	9♐48	29°16	2°14	8°52	14° 3	28° 4	0°46	7°35	19°18	10°19	10°44	18°15	20°32	T 21
F 22	12 25 50	8°23'22	22°30	28°36	3°28	9° 9	14° 6	28° 8	0°47	7°37	19°18	10°19	10°41	18°21	20°36	F 22
S 23	12 29 47	9°22'11	4♑52	27°59	4°43	9°25	14°10	28°12	0°48	7°39	19°18	10°19	10°38	18°28	20°40	S 23
S 24	12 33 43	10°20'58	17° 0	27°26	5°57	9°41	14°14	28°16	0°49	7°41	19°18	10°19	10°35	18°35	20°43	S 24
M25	12 37 40	11°19'44	28°58	26°58	7°11	9°56	14°18	28°19	0°50	7°43	19°18	10°19	10°31	18°41	20°47	M25
T 26	12 41 36	12°18'27	10♒49	26°35	8°25	10°11	14°22	28°23	0°51	7°45	19°D18	10°19	10°28	18°48	20°51	T 26
W27	12 45 33	13°17'09	22°39	26°17	9°40	10°26	14°26	28°26	0°53	7°47	19°18	10°20	10°25	18°55	20°55	W27
T 28	12 49 29	14°15'49	4♓32	26° 4	10°54	10°40	14°31	28°30	0°54	7°49	19°18	10°20	10°22	19° 1	20°58	T 28
F 29	12 53 26	15°14'27	16°30	25°56	12° 8	10°53	14°35	28°33	0°55	7°51	19°18	10°21	10°19	19° 8	21° 2	F 29
S 30	12 57 23	16°13'03	28°38	25°D53	13°22	11° 6	14°40	28°36	0°57	7°53	19°18	10°21	10°16	19°15	21° 6	S 30
S 31	13 1 19	17♈11'38	10♈56	25♓56	14♈36	11♐18	14♋45	28♑39	0♋58	7♓55	19♋18	10°R21	10♎12	19♒21	21♈10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s54	6s 0	2n49	4n39	2n35	10s 7	1s24	19s41	0n58	23n23	0n32	21s10	0s14	23n51	0n19	9s57	0s59	25n34	3n29	4s 7	4s41	12s 2	8n31	0n58
S 2	4 30	2 18	1 50	5 5	2 45	9 40	1 25	19 46	0 57	23 23	0 32	21 9	0 14	23 51	0 19	9 56	0 59	25 34	3 29	4 6	4 40	12 1	8 32	0 58
S 3	4 7	1n31	0 45	5 26	2 55	9 12	1 25	19 52	0 56	23 23	0 32	21 8	0 14	23 51	0 19	9 55	0 59	25 35	3 29	4 6	4 38	11 59	8 33	0 58
M 4	3 43	5 20	0s22	5 44	3 4	8 44	1 26	19 58	0 55	23 23	0 32	21 7	0 14	23 51	0 19	9 54	0 59	25 35	3 29	4 6	4 37	11 58	8 34	0 58
T 5	3 20	8 58	1 30	5 57	3 11	8 16	1 26	20 3	0 54	23 23	0 32	21 6	0 14	23 51	0 19	9 53	0 59	25 35	3 29	4 6	4 36	11 56	8 36	0 58
W 6	2 56	12 15	2 34	6 6	3 18	7 47	1 26	20 8	0 53	23 23	0 32	21 5	0 14	23 51	0 19	9 52	0 59	25 35	3 29	4 6	4 35	11 55	8 37	0 58
T 7	2 33	15 0	3 32	6 10	3 23	7 18	1 26	20 14	0 52	23 23	0 32	21 4	0 14	23 51	0 19	9 52	0 59	25 35	3 29	4 7	4 33	11 53	8 38	0 58
F 8	2 9	17 2	4 20	6 11	3 26	6 50	1 27	20 19	0 51	23 23	0 32	21 3	0 14	23 51	0 19	9 51	0 59	25 35	3 29	4 7	4 32	11 52	8 39	0 58
S 9	1 45	18 11	4 55	6 7	3 28	6 20	1 27	20 24	0 50	23 23	0 32	21 3	0 14	23 51	0 19	9 50	0 59	25 35	3 29	4 8	4 31	11 50	8 40	0 58
S 10	1 22	18 17	5 14	5 59	3 28	5 51	1 27	20 29	0 49	23 23	0 32	21 2	0 14	23 51	0 19	9 49	0 59	25 35	3 29	4 8	4 30	11 49	8 42	0 58
M11	0 58	17 17	5 15	5 47	3 27	5 22	1 27	20 34	0 48	23 23	0 32	21 1	0 15	23 51	0 19	9 49	0 59	25 35	3 29	4 7	4 29	11 47	8 43	0 58
T 12	0 35	15 10	4 56	5 31	3 24	4 52	1 27	20 39	0 46	23 22	0 32	21 0	0 15	23 51	0 19	9 48	0 59	25 35	3 29	4 7	4 27	11 46	8 44	0 57
W13	0 11	12 3	4 18	5 11	3 19	4 23	1 26	20 43	0 45	23 22	0 32	20 59	0 15	23 51	0 19	9 47	0 59	25 35	3 29	4 7	4 26	11 44	8 45	0 57
T 14	0n13	8 7	3 22	4 49	3 13	3 53	1 26	20 48	0 44	23 22	0 32	20 58	0 15	23 51	0 19	9 46	0 59	25 35	3 29	4 6	4 25	11 43	8 47	0 57
F 15	0 36	3 39	2 13	4 23	3 4	3 23	1 26	20 53	0 43	23 22	0 32	20 58	0 15	23 51	0 19	9 45	1 0	25 35	3 29	4 6	4 24	11 41	8 48	0 57
S 16	1 0	1s 0	0 54	3 56	2 55	2 53	1 25	20 57	0 41	23 22	0 32	20 57	0 15	23 51	0 19	9 45	1 0	25 35	3 29	4 6	4 22	11 40	8 49	0 57
S 17	1 23	5 33	0n26	3 26	2 44	2 23	1 25	21 2	0 40	23 21	0 32	20 56	0 15	23 51	0 19	9 44	1 0	25 35	3 29	4 5	4 21	11 38	8 51	0 57
M18	1 47	9 40	1 44	2 56	2 31	1 53	1 25	21 6	0 38	23 21	0 32	20 55	0 15	23 51	0 19	9 43	1 0	25 35	3 29	4 6	4 20	11 37	8 52	0 57
T 19	2 10	13 8	2 53	2 24	2 18	1 23	1 24	21 10	0 37	23 21	0 32	20 55	0 15	23 51	0 19	9 42	1 0	25 35	3 29	4 6	4 19	11 35	8 53	0 57
W20	2 34	15 46	3 50	1 53	2 3	0 53	1 23	21 15	0 35	23 20	0 32	20 54	0 15	23 51	0 19	9 42	1 0	25 35	3 29	4 6	4 17	11 34	8 54	0 57
T 21	2 57	17 30	4 34	1 21	1 48	0 22	1 23	21 19	0 34	23 20	0 32	20 53	0 16	23 51	0 19	9 41	1 0	25 35	3 29	4 6	4 16	11 32	8 56	0 57
F 22	3 20	18 18	5 2	0 51	1 32	0n 8	1 22	21 23	0 32	23 20	0 32	20 53	0 16	23 51	0 19	9 40	1 0	25 35	3 29	4 6	4 15	11 31	8 57	0 57
S 23	3 44	18 11	5 16	0 21	1 16	0 38	1 21	21 27	0 31	23 19	0 32	20 52	0 16	23 51	0 19	9 39	1 0	25 35	3 29	4 6	4 14	11 29	8 58	0 56
S 24	4 7	17 14	5 15	0s 7	1 0	1 9	1 20	21 31	0 29	23 19	0 32	20 51	0 16	23 51	0 19	9 39	1 0	25 35	3 29	4 6	4 12	11 28	9 0	0 56
M25	4 30	15 33	5 1	0 33	0 43	1 39	1 19	21 35	0 28	23 18	0 32	20 51	0 16	23 51	0 19	9 38	1 0	25 35	3 29	4 6	4 11	11 26	9 1	0 56
T 26	4 53	13 12	4 34	0 57	0 27	2 9	1 18	21 39	0 26	23 18	0 32	20 50	0 16	23 51	0 19	9 37	1 0	25 35	3 29	4 6	4 10	11 25	9 2	0 56
W27	5 16	10 19	3 55	1 19	0 11	2 39	1 17	21 43	0 24	23 18	0 32	20 49	0 16	23 51	0 19	9 37	1 0	25 35	3 28	4 6	4 8	11 23	9 4	0 56
T 28	5 39	7 0	3 6	1 38	0s 4	3 10	1 16	21 46	0 22	23 17	0 32	20 49	0 16	23 51	0 19	9 36	1 0	25 35	3 28	4 7	4 7	11 22	9 5	0 56
F 29	6 2	3 22	2 9	1 55	0 19	3 40	1 15	21 50	0 20	23 17	0 32	20 48	0 16	23 51	0 19	9 35	1 0	25 35	3 28	4 7	4 6	11 20	9 6	0 56
S 30	6 24	0n26	1 5	2 10	0 34	4 10	1 14	21 54	0 18	23 16	0 32	20 48	0 16	23 51	0 19	9 34	1 0	25 35	3 28	4 7	4 5	11 19	9 8	0 56
S 31	6n47	4n18	0s 3	2s22	0s48	4n40	1s13	21s57	0n17	23n15	0n32	20s47	0s17	23n51	0n19	9s34	1s 0	25n35	3n28	4s 7	4s 3	11s17	9n 9	0n56

Julian Day Number = 2157956.5, Delta T = 13m30s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'55, Lahiri = 12°38'55 Julian Calendar 1 March 1196 == Greg. Calendar 8 March 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

APRIL 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 5 16	18♈10'10	23♈26	26♓ 3	15♈51	11♐30	14♋51	28♑42	1♋ 0	7♓57	19♋18	10°R21	10♎ 9	19♒28	21♈13	M 1
T 2	13 9 12	19° 8'41	6♉10	26°16	17° 5	11°41	14°56	28°45	1° 2	7°59	19°19	10♎20	10° 6	19°35	21°17	T 2
W 3	13 13 9	20° 7'09	19° 8	26°33	18°19	11°52	15° 1	28°48	1° 3	8° 0	19°19	10°19	10° 3	19°42	21°21	W 3
T 4	13 17 5	21° 5'36	2♊20	26°55	19°33	12° 2	15° 7	28°51	1° 5	8° 2	19°19	10°18	10° 0	19°48	21°25	T 4
F 5	13 21 2	22° 4'00	15°46	27°21	20°47	12°11	15°13	28°54	1° 7	8° 4	19°19	10°16	9°56	19°55	21°28	F 5
S 6	13 24 58	23° 2'23	29°24	27°52	22° 1	12°20	15°19	28°56	1° 8	8° 6	19°20	10°15	9°53	20° 2	21°32	S 6
S 7	13 28 55	24° 0'43	13♋16	28°26	23°15	12°28	15°25	28°59	1°10	8° 7	19°20	10°14	9°50	20° 8	21°36	S 7
M 8	13 32 52	24°59'01	27°19	29° 5	24°29	12°35	15°31	29° 1	1°12	8° 9	19°20	10°D14	9°47	20°15	21°40	M 8
T 9	13 36 48	25°57'17	11♌33	29°47	25°43	12°42	15°38	29° 3	1°14	8°11	19°21	10°15	9°44	20°22	21°43	T 9
W10	13 40 45	26°55'31	25°54	0♈33	26°57	12°48	15°44	29° 5	1°16	8°12	19°21	10°15	9°41	20°28	21°47	W10
T 11	13 44 41	27°53'43	10♍20	1°22	28°11	12°54	15°51	29° 8	1°18	8°14	19°21	10°17	9°37	20°35	21°51	T 11
F 12	13 48 38	28°51'52	24°47	2°15	29°25	12°59	15°58	29°10	1°20	8°16	19°22	10°18	9°34	20°42	21°55	F 12
S 13	13 52 34	29°50'00	9♎11	3°11	0♉39	13° 3	16° 5	29°12	1°22	8°17	19°22	10°R18	9°31	20°48	21°58	S 13
S 14	13 56 31	0♉48'06	23°26	4° 9	1°53	13° 6	16°12	29°13	1°24	8°19	19°23	10°18	9°28	20°55	22° 2	S 14
M15	14 0 27	1°46'10	7♏28	5°11	3° 7	13° 9	16°19	29°15	1°27	8°20	19°23	10°16	9°25	21° 2	22° 6	M15
T 16	14 4 24	2°44'12	21°12	6°16	4°21	13°11	16°26	29°17	1°29	8°22	19°24	10°14	9°21	21° 9	22° 9	T 16
W17	14 8 21	3°42'13	4♐37	7°23	5°35	13°13	16°34	29°18	1°31	8°23	19°24	10°10	9°18	21°15	22°13	W17
T 18	14 12 17	4°40'13	17°42	8°33	6°49	13°R13	16°42	29°20	1°33	8°25	19°25	10° 7	9°15	21°22	22°17	T 18
F 19	14 16 14	5°38'11	0♑25	9°46	8° 3	13°13	16°49	29°21	1°36	8°26	19°26	10° 3	9°12	21°29	22°20	F 19
S 20	14 20 10	6°36'07	12°50	11° 1	9°17	13°12	16°57	29°22	1°38	8°28	19°26	10° 0	9° 9	21°35	22°24	S 20
S 21	14 24 7	7°34'02	25° 0	12°18	10°31	13°11	17° 5	29°23	1°41	8°29	19°27	9°58	9° 6	21°42	22°28	S 21
M22	14 28 3	8°31'56	6♒59	13°38	11°45	13° 9	17°13	29°25	1°43	8°30	19°27	9°D58	9° 2	21°49	22°31	M22
T 23	14 32 0	9°29'49	18°52	15° 0	12°58	13° 5	17°22	29°25	1°46	8°32	19°28	9°58	8°59	21°55	22°35	T 23
W24	14 35 56	10°27'40	0♓42	16°25	14°12	13° 2	17°30	29°26	1°48	8°33	19°29	9°59	8°56	22° 2	22°39	W24
T 25	14 39 53	11°25'30	12°37	17°52	15°26	12°57	17°39	29°27	1°51	8°34	19°30	10° 1	8°53	22° 9	22°42	T 25
F 26	14 43 50	12°23'19	24°38	19°21	16°40	12°52	17°47	29°28	1°53	8°36	19°30	10° 3	8°50	22°15	22°46	F 26
S 27	14 47 46	13°21'06	6♈52	20°52	17°54	12°45	17°56	29°28	1°56	8°37	19°31	10°R 4	8°47	22°22	22°50	S 27
S 28	14 51 43	14°18'52	19°21	22°25	19° 8	12°38	18° 5	29°29	1°59	8°38	19°32	10° 3	8°43	22°29	22°53	S 28
M29	14 55 39	15°16'37	2♉ 7	24° 1	20°21	12°31	18°14	29°29	2° 1	8°39	19°33	10° 1	8°40	22°35	22°57	M29
T 30	14 59 36	16♉14'21	15♉11	25♈39	21♉35	12♐22	18♋23	29♑29	2♋ 4	8♓40	19♋34	9♎58	8♎37	22♒42	23♈ 0	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n 9	8n 2	1s12	2s31	1s 1	5n10	1s11	22s 1	0n15	23n15	0n32	20s47	0s17	23n51	0n19	9s33	1s 0	25n35	3n28	4s 7	4s 2	11s15	9n10	0n56
T 2	7 32	11 27	2 18	2 37	1 14	5 40	1 10	22 5	0 13	23 14	0 32	20 46	0 17	23 51	0 19	9 32	1 0	25 35	3 28	4 7	4 1	11 14	9 12	0 56
W 3	7 54	14 23	3 19	2 42	1 26	6 9	1 9	22 8	0 10	23 14	0 32	20 46	0 17	23 51	0 19	9 32	1 0	25 35	3 28	4 6	4 0	11 12	9 13	0 56
T 4	8 16	16 38	4 10	2 43	1 37	6 39	1 7	22 11	0 8	23 13	0 32	20 45	0 17	23 51	0 19	9 31	1 0	25 35	3 28	4 6	3 58	11 11	9 15	0 56
F 5	8 38	18 0	4 48	2 42	1 48	7 8	1 6	22 15	0 6	23 12	0 32	20 45	0 17	23 51	0 19	9 31	1 0	25 35	3 28	4 5	3 57	11 9	9 16	0 56
S 6	9 0	18 22	5 11	2 39	1 58	7 37	1 4	22 18	0 4	23 12	0 32	20 44	0 17	23 51	0 19	9 30	1 0	25 35	3 28	4 5	3 56	11 8	9 17	0 55
S 7	9 21	17 38	5 16	2 34	2 7	8 6	1 2	22 21	0 2	23 11	0 32	20 44	0 17	23 51	0 19	9 29	1 0	25 35	3 28	4 4	3 55	11 6	9 19	0 55
M 8	9 43	15 50	5 3	2 26	2 15	8 35	1 1	22 25	0s 1	23 10	0 33	20 44	0 17	23 51	0 19	9 29	1 0	25 34	3 28	4 4	3 53	11 5	9 20	0 55
T 9	10 4	13 3	4 31	2 16	2 23	9 4	0 59	22 28	0 3	23 10	0 33	20 43	0 18	23 51	0 19	9 28	1 0	25 34	3 28	4 4	3 52	11 3	9 21	0 55
W10	10 25	9 28	3 41	2 4	2 29	9 32	0 57	22 31	0 5	23 9	0 33	20 43	0 18	23 51	0 19	9 27	1 0	25 34	3 28	4 5	3 51	11 2	9 23	0 55
T 11	10 46	5 17	2 38	1 50	2 35	10 1	0 56	22 34	0 8	23 8	0 33	20 43	0 18	23 51	0 19	9 27	1 0	25 34	3 28	4 5	3 50	11 0	9 24	0 55
F 12	11 7	0 47	1 25	1 34	2 41	10 29	0 54	22 37	0 10	23 7	0 33	20 42	0 18	23 51	0 19	9 26	1 0	25 34	3 28	4 6	3 48	10 58	9 25	0 55
S 13	11 28	3s45	0 6	1 16	2 45	10 56	0 52	22 41	0 13	23 6	0 33	20 42	0 18	23 51	0 19	9 26	1 0	25 34	3 28	4 6	3 47	10 57	9 27	0 55
S 14	11 48	8 2	1n12	0 56	2 49	11 24	0 50	22 44	0 16	23 6	0 33	20 42	0 18	23 51	0 18	9 25	1 0	25 34	3 28	4 6	3 46	10 55	9 28	0 55
M15	12 8	11 47	2 24	0 34	2 53	11 51	0 48	22 47	0 18	23 5	0 33	20 41	0 18	23 50	0 18	9 25	1 0	25 34	3 28	4 5	3 45	10 54	9 29	0 55
T 16	12 28	14 49	3 27	0 11	2 55	12 18	0 46	22 50	0 21	23 4	0 33	20 41	0 18	23 50	0 18	9 24	1 0	25 34	3 28	4 4	3 43	10 52	9 31	0 55
W17	12 48	16 57	4 16	0n14	2 57	12 45	0 44	22 53	0 24	23 3	0 33	20 41	0 18	23 50	0 18	9 24	1 0	25 34	3 28	4 3	3 42	10 51	9 32	0 55
T 18	13 8	18 9	4 50	0 41	2 58	13 11	0 42	22 55	0 27	23 2	0 33	20 41	0 19	23 50	0 18	9 23	1 1	25 34	3 28	4 1	3 41	10 49	9 33	0 55
F 19	13 27	18 23	5 10	1 9	2 59	13 37	0 40	22 58	0 30	23 1	0 33	20 41	0 19	23 50	0 18	9 23	1 1	25 33	3 28	4 0	3 40	10 48	9 35	0 55
S 20	13 47	17 43	5 14	1 38	2 59	14 3	0 38	23 1	0 33	23 0	0 33	20 40	0 19	23 50	0 18	9 22	1 1	25 33	3 28	3 59	3 38	10 46	9 36	0 55
S 21	14 6	16 15	5 3	2 9	2 58	14 28	0 36	23 4	0 36	22 59	0 33	20 40	0 19	23 50	0 18	9 22	1 1	25 33	3 28	3 58	3 37	10 44	9 37	0 55
M22	14 24	14 5	4 40	2 41	2 57	14 53	0 33	23 7	0 39	22 58	0 33	20 40	0 19	23 50	0 18	9 21	1 1	25 33	3 28	3 58	3 36	10 43	9 39	0 54
T 23	14 43	11 21	4 5	3 15	2 55	15 18	0 31	23 9	0 42	22 57	0 33	20 40	0 19	23 50	0 18	9 21	1 1	25 33	3 28	3 58	3 35	10 41	9 40	0 54
W24	15 1	8 10	3 19	3 50	2 53	15 42	0 29	23 12	0 45	22 56	0 33	20 40	0 19	23 50	0 18	9 20	1 1	25 33	3 28	3 58	3 33	10 40	9 41	0 54
T 25	15 19	4 38	2 25	4 26	2 50	16 6	0 27	23 15	0 48	22 55	0 33	20 40	0 19	23 50	0 18	9 20	1 1	25 33	3 28	3 59	3 32	10 38	9 43	0 54
F 26	15 37	0 52	1 23	5 3	2 46	16 30	0 25	23 17	0 51	22 54	0 33	20 40	0 19	23 50	0 18	9 19	1 1	25 33	3 28	4 0	3 31	10 37	9 44	0 54
S 27	15 55	3n 0	0 17	5 41	2 42	16 53	0 22	23 20	0 55	22 52	0 33	20 40	0 20	23 50	0 18	9 19	1 1	25 32	3 28	4 0	3 30	10 35	9 45	0 54
S 28	16 12	6 49	0s51	6 20	2 37	17 16	0 20	23 22	0 58	22 51	0 33	20 40	0 20	23 50	0 18	9 18	1 1	25 32	3 28	4 0	3 28	10 34	9 46	0 54
M29	16 29	10 25	1 57	7 0	2 32	17 38	0 18	23 24	1 1	22 50	0 33	20 40	0 20	23 50	0 18	9 18	1 1	25 32	3 28	3 59	3 27	10 32	9 48	0 54
T 30	16n46	13n36	3s 0	7n42	2s26	17n59	0s15	23s27	1s 5	22n49	0n33	20s40	0s20	23n50	0n18	9s18	1s 1	25n32	3n28	3s58	3s26	10s30	9n49	0n54

Julian Day Number = 2157987.5, Delta T = 13m30s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°31'59, Lahiri = 12°39'00 Julian Calendar 1 Apr. 1196 == Greg. Calendar 8 Apr. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

MAY 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 3 32	17♉12'03	28♉33	27♈19	22♉49	12°R13	18♋32	29♏30	2♋ 7	8♓41	19♋35	9°R53	8♎34	22♒49	23♈ 4	W 1
T 2	15 7 29	18° 9'44	12♊10	29° 1	24° 3	12♐ 3	18°41	29°R30	2°10	8°42	19°36	9♎47	8°31	22°56	23° 7	T 2
F 3	15 11 25	19° 7'24	26° 1	0♉45	25°17	11°53	18°51	29°30	2°13	8°43	19°36	9°41	8°27	23° 2	23°11	F 3
S 4	15 15 22	20° 5'02	10♋ 2	2°32	26°30	11°41	19° 0	29°30	2°15	8°45	19°37	9°35	8°24	23° 9	23°14	S 4
S 5	15 19 19	21° 2'39	24° 9	4°21	27°44	11°29	19°10	29°29	2°18	8°46	19°38	9°31	8°21	23°16	23°18	S 5
M 6	15 23 15	22° 0'14	8♌20	6°11	28°58	11°17	19°19	29°29	2°21	8°46	19°39	9°28	8°18	23°22	23°21	M 6
T 7	15 27 12	22°57'47	22°31	8° 4	0♊12	11° 3	19°29	29°29	2°24	8°47	19°40	9°D27	8°15	23°29	23°24	T 7
W 8	15 31 8	23°55'19	6♍41	9°59	1°25	10°49	19°39	29°28	2°27	8°48	19°41	9°28	8°12	23°36	23°28	W 8
T 9	15 35 5	24°52'50	20°48	11°57	2°39	10°35	19°49	29°28	2°30	8°49	19°42	9°29	8° 8	23°42	23°31	T 9
F 10	15 39 1	25°50'19	4♎51	13°56	3°53	10°20	19°59	29°27	2°33	8°50	19°44	9°R30	8° 5	23°49	23°34	F 10
S 11	15 42 58	26°47'46	18°48	15°57	5° 6	10° 4	20° 9	29°26	2°36	8°51	19°45	9°30	8° 2	23°56	23°38	S 11
S 12	15 46 54	27°45'13	2♏37	18° 0	6°20	9°48	20°19	29°25	2°40	8°52	19°46	9°28	7°59	24° 2	23°41	S 12
M13	15 50 51	28°42'38	16°15	20° 5	7°34	9°31	20°30	29°24	2°43	8°52	19°47	9°23	7°56	24° 9	23°44	M13
T 14	15 54 47	29°40'03	29°41	22°11	8°47	9°14	20°40	29°23	2°46	8°53	19°48	9°17	7°53	24°16	23°47	T 14
W15	15 58 44	0♊37'26	12♐52	24°19	10° 1	8°57	20°51	29°22	2°49	8°54	19°49	9° 9	7°49	24°22	23°51	W15
T 16	16 2 41	1°34'49	25°47	26°28	11°14	8°39	21° 1	29°21	2°52	8°54	19°50	9° 0	7°46	24°29	23°54	T 16
F 17	16 6 37	2°32'11	8♑25	28°38	12°28	8°20	21°12	29°19	2°55	8°55	19°52	8°50	7°43	24°36	23°57	F 17
S 18	16 10 34	3°29'32	20°47	0♊49	13°42	8° 2	21°23	29°18	2°59	8°56	19°53	8°42	7°40	24°42	24° 0	S 18
S 19	16 14 30	4°26'52	2♒56	3° 1	14°55	7°43	21°34	29°16	3° 2	8°56	19°54	8°36	7°37	24°49	24° 3	S 19
M20	16 18 27	5°24'12	14°54	5°13	16° 9	7°24	21°44	29°15	3° 5	8°57	19°55	8°32	7°33	24°56	24° 6	M20
T 21	16 22 23	6°21'31	26°46	7°25	17°22	7° 5	21°55	29°13	3° 9	8°57	19°57	8°29	7°30	25° 2	24° 9	T 21
W22	16 26 20	7°18'49	8♓36	9°36	18°36	6°45	22° 7	29°11	3°12	8°58	19°58	8°D29	7°27	25° 9	24°12	W22
T 23	16 30 17	8°16'08	20°30	11°48	19°50	6°26	22°18	29° 9	3°15	8°58	19°59	8°29	7°24	25°16	24°15	T 23
F 24	16 34 13	9°13'25	2♈33	13°58	21° 3	6° 6	22°29	29° 7	3°19	8°58	20° 0	8°R30	7°21	25°23	24°18	F 24
S 25	16 38 10	10°10'42	14°50	16° 8	22°17	5°46	22°40	29° 5	3°22	8°59	20° 2	8°30	7°18	25°29	24°21	S 25
S 26	16 42 6	11° 7'59	27°25	18°16	23°30	5°27	22°51	29° 3	3°25	8°59	20° 3	8°28	7°14	25°36	24°24	S 26
M27	16 46 3	12° 5'16	10♉22	20°23	24°44	5° 7	23° 3	29° 1	3°29	8°59	20° 4	8°24	7°11	25°43	24°26	M27
T 28	16 49 59	13° 2'32	23°41	22°28	25°57	4°48	23°14	28°58	3°32	9° 0	20° 6	8°18	7° 8	25°49	24°29	T 28
W29	16 53 56	13°59'48	7♊24	24°32	27°11	4°29	23°26	28°56	3°36	9° 0	20° 7	8° 9	7° 5	25°56	24°32	W29
T 30	16 57 52	14°57'03	21°26	26°33	28°24	4°10	23°38	28°53	3°39	9° 0	20° 9	8° 0	7° 2	26° 3	24°35	T 30
F 31	17 1 49	15♊54'18	5♋44	28♊33	29♊38	3♐51	23♋49	28♏51	3♋43	9♓ 0	20♋10	7♎49	6♎59	26♒ 9	24♈37	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 2	16n 7	3s53	8n24	2s19	18n21	0s13	23s29	1s 8	22n48	0n33	20s40	0s20	23n50	0n18	9s17	1s 1	25n32	3n28	3s56	3s25	10s29	9n50	0n54
T 2	17 19	17 48	4 35	9 6	2 13	18 42	0 11	23 31	1 12	22 46	0 33	20 40	0 20	23 50	0 18	9 17	1 1	25 32	3 28	3 53	3 23	10 27	9 51	0 54
F 3	17 35	18 28	5 1	9 50	2 5	19 2	0 8	23 33	1 15	22 45	0 33	20 40	0 20	23 50	0 18	9 17	1 1	25 32	3 28	3 51	3 22	10 26	9 53	0 54
S 4	17 50	18 1	5 10	10 34	1 57	19 22	0 6	23 35	1 19	22 44	0 33	20 41	0 20	23 50	0 18	9 16	1 1	25 31	3 28	3 49	3 21	10 24	9 54	0 54
S 5	18 6	16 27	5 0	11 19	1 49	19 41	0 3	23 37	1 23	22 42	0 33	20 41	0 20	23 50	0 18	9 16	1 1	25 31	3 28	3 47	3 20	10 22	9 55	0 54
M 6	18 21	13 53	4 32	12 4	1 40	20 0	0 1	23 39	1 26	22 41	0 33	20 41	0 21	23 50	0 18	9 16	1 1	25 31	3 28	3 46	3 18	10 21	9 56	0 54
T 7	18 36	10 29	3 47	12 49	1 31	20 18	0n 1	23 41	1 30	22 40	0 33	20 41	0 21	23 50	0 18	9 15	1 1	25 31	3 28	3 46	3 17	10 19	9 58	0 54
W 8	18 50	6 30	2 48	13 35	1 22	20 36	0 4	23 42	1 33	22 38	0 33	20 41	0 21	23 49	0 18	9 15	1 1	25 31	3 28	3 46	3 16	10 18	9 59	0 54
T 9	19 4	2 8	1 39	14 20	1 12	20 53	0 6	23 44	1 37	22 37	0 33	20 42	0 21	23 49	0 18	9 15	1 1	25 31	3 28	3 46	3 15	10 16	10 0	0 54
F 10	19 18	2s19	0 25	15 6	1 2	21 9	0 9	23 45	1 41	22 35	0 33	20 42	0 21	23 49	0 18	9 14	1 1	25 31	3 28	3 47	3 13	10 15	10 1	0 54
S 11	19 31	6 37	0n50	15 51	0 52	21 25	0 11	23 47	1 45	22 34	0 33	20 42	0 21	23 49	0 18	9 14	1 1	25 30	3 28	3 47	3 12	10 13	10 2	0 54
S 12	19 45	10 32	2 1	16 36	0 41	21 41	0 13	23 48	1 48	22 32	0 33	20 42	0 21	23 49	0 18	9 14	1 2	25 30	3 28	3 46	3 11	10 11	10 4	0 54
M13	19 57	13 49	3 5	17 21	0 31	21 55	0 16	23 49	1 52	22 31	0 33	20 43	0 21	23 49	0 18	9 14	1 2	25 30	3 28	3 44	3 9	10 10	10 5	0 53
T 14	20 10	16 19	3 57	18 4	0 20	22 10	0 18	23 50	1 56	22 29	0 33	20 43	0 22	23 49	0 18	9 13	1 2	25 30	3 28	3 42	3 8	10 8	10 6	0 53
W15	20 22	17 54	4 35	18 47	0 9	22 23	0 21	23 51	1 59	22 28	0 33	20 43	0 22	23 49	0 18	9 13	1 2	25 30	3 28	3 38	3 7	10 7	10 7	0 53
T 16	20 34	18 30	4 58	19 28	0n 1	22 36	0 23	23 52	2 3	22 26	0 33	20 44	0 22	23 49	0 18	9 13	1 2	25 29	3 28	3 35	3 6	10 5	10 8	0 53
F 17	20 45	18 11	5 6	20 8	0 12	22 48	0 25	23 52	2 7	22 24	0 33	20 44	0 22	23 49	0 18	9 13	1 2	25 29	3 28	3 31	3 4	10 3	10 9	0 53
S 18	20 57	17 0	4 59	20 47	0 23	23 0	0 28	23 53	2 10	22 23	0 33	20 45	0 22	23 49	0 18	9 13	1 2	25 29	3 28	3 28	3 3	10 2	10 10	0 53
S 19	21 7	15 3	4 39	21 23	0 33	23 11	0 30	23 54	2 14	22 21	0 33	20 45	0 22	23 49	0 18	9 12	1 2	25 29	3 28	3 25	3 2	10 0	10 12	0 53
M20	21 18	12 30	4 7	21 57	0 43	23 21	0 32	23 54	2 18	22 19	0 33	20 45	0 22	23 49	0 18	9 12	1 2	25 29	3 28	3 24	3 1	9 59	10 13	0 53
T 21	21 28	9 26	3 24	22 30	0 52	23 31	0 35	23 54	2 21	22 18	0 33	20 46	0 22	23 49	0 18	9 12	1 2	25 29	3 28	3 23	2 59	9 57	10 14	0 53
W22	21 37	6 1	2 33	22 59	1 1	23 40	0 37	23 54	2 25	22 16	0 33	20 46	0 22	23 49	0 18	9 12	1 2	25 28	3 28	3 23	2 58	9 55	10 15	0 53
T 23	21 47	2 19	1 35	23 27	1 10	23 48	0 39	23 54	2 28	22 14	0 33	20 47	0 23	23 48	0 18	9 12	1 2	25 28	3 28	3 23	2 57	9 54	10 16	0 53
F 24	21 56	1n30	0 32	23 51	1 17	23 56	0 41	23 54	2 31	22 12	0 33	20 48	0 23	23 48	0 18	9 12	1 2	25 28	3 28	3 23	2 56	9 52	10 17	0 53
S 25	22 4	5 21	0s34	24 13	1 25	24 2	0 44	23 54	2 35	22 10	0 33	20 48	0 23	23 48	0 18	9 12	1 2	25 28	3 28	3 23	2 54	9 51	10 18	0 53
S 26	22 12	9 3	1 39	24 32	1 31	24 9	0 46	23 54	2 38	22 9	0 33	20 49	0 23	23 48	0 18	9 12	1 2	25 28	3 28	3 22	2 53	9 49	10 19	0 53
M27	22 20	12 26	2 41	24 49	1 37	24 14	0 48	23 53	2 41	22 7	0 33	20 49	0 23	23 48	0 18	9 12	1 2	25 27	3 28	3 21	2 52	9 47	10 20	0 53
T 28	22 28	15 17	3 37	25 2	1 43	24 19	0 50	23 53	2 45	22 5	0 33	20 50	0 23	23 48	0 18	9 12	1 2	25 27	3 28	3 18	2 51	9 46	10 21	0 53
W29	22 35	17 21	4 21	25 13	1 47	24 23	0 52	23 52	2 48	22 3	0 33	20 50	0 23	23 48	0 18	9 11	1 2	25 27	3 28	3 15	2 49	9 44	10 22	0 53
T 30	22 41	18 26	4 50	25 21	1 51	24 26	0 54	23 52	2 51	22 1	0 33	20 51	0 23	23 48	0 18	9 11	1 2	25 27	3 28	3 11	2 48	9 43	10 23	0 53
F 31	22n47	18n23	5s 2	25n26	1n54	24n29	0n56	23s51	2s54	21n59	0n33	20s52	0s24	23n48	0n18	9s11	1s 2	25n27	3n28	3s 7	2s47	9s41	10n24	0n53

Julian Day Number = 2158017.5, Delta T = 13m29s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'03, Lahiri = 12°39'04 Julian Calendar 1 May 1196 == Greg. Calendar 8 May 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

JUNE 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 46	16♊51'32	20♋11	0♋31	0♋51	3°R32	24♋ 1	28°R48	3♋46	9♓ 0	20♋12	7°R40	6♎55	26♒16	24♈40	S 1
S 2	17 9 42	17°48'45	4♌41	2°27	2° 5	3♐14	24°13	28♑45	3°50	9° 0	20°13	7♎32	6°52	26°23	24°42	S 2
M 3	17 13 39	18°45'58	19° 8	4°20	3°18	2°57	24°25	28°43	3°53	9° 0	20°14	7°27	6°49	26°29	24°45	M 3
T 4	17 17 35	19°43'11	3♍29	6°12	4°32	2°40	24°37	28°40	3°57	9°R 0	20°16	7°24	6°46	26°36	24°47	T 4
W 5	17 21 32	20°40'22	17°39	8° 1	5°45	2°23	24°49	28°37	4° 0	9° 0	20°17	7°D23	6°43	26°43	24°50	W 5
T 6	17 25 28	21°37'33	1♎38	9°48	6°59	2° 7	25° 1	28°34	4° 4	9° 0	20°19	7°R23	6°39	26°49	24°52	T 6
F 7	17 29 25	22°34'44	15°26	11°32	8°12	1°51	25°13	28°31	4° 8	9° 0	20°20	7°23	6°36	26°56	24°55	F 7
S 8	17 33 21	23°31'53	29° 3	13°15	9°26	1°36	25°25	28°27	4°11	9° 0	20°22	7°21	6°33	27° 3	24°57	S 8
S 9	17 37 18	24°29'03	12♏29	14°55	10°39	1°22	25°37	28°24	4°15	9° 0	20°23	7°18	6°30	27° 9	24°59	S 9
M10	17 41 15	25°26'12	25°44	16°33	11°52	1° 8	25°49	28°21	4°18	9° 0	20°25	7°11	6°27	27°16	25° 2	M10
T 11	17 45 11	26°23'21	8♐48	18° 9	13° 6	0°55	26° 1	28°17	4°22	9° 0	20°27	7° 2	6°24	27°23	25° 4	T 11
W12	17 49 8	27°20'30	21°40	19°42	14°19	0°43	26°14	28°14	4°26	9° 0	20°28	6°50	6°20	27°29	25° 6	W12
T 13	17 53 4	28°17'39	4♑19	21°14	15°33	0°31	26°26	28°10	4°29	8°59	20°30	6°37	6°17	27°36	25° 8	T 13
F 14	17 57 1	29°14'48	16°46	22°42	16°46	0°20	26°39	28° 7	4°33	8°59	20°31	6°25	6°14	27°43	25°10	F 14
S 15	18 0 57	0♋11'56	29° 0	24° 9	17°59	0°10	26°51	28° 3	4°36	8°59	20°33	6°13	6°11	27°49	25°12	S 15
S 16	18 4 54	1° 9'05	11♒ 4	25°33	19°13	0° 1	27° 3	28° 0	4°40	8°58	20°34	6° 3	6° 8	27°56	25°14	S 16
M17	18 8 50	2° 6'15	22°59	26°55	20°26	29♏52	27°16	27°56	4°44	8°58	20°36	5°56	6° 5	28° 3	25°16	M17
T 18	18 12 47	3° 3'24	4♓49	28°15	21°39	29°44	27°29	27°52	4°47	8°58	20°38	5°51	6° 1	28° 9	25°18	T 18
W19	18 16 44	4° 0'34	16°38	29°32	22°53	29°37	27°41	27°48	4°51	8°57	20°39	5°49	5°58	28°16	25°20	W19
T 20	18 20 40	4°57'44	28°31	0♌46	24° 6	29°31	27°54	27°44	4°55	8°57	20°41	5°48	5°55	28°23	25°22	T 20
F 21	18 24 37	5°54'55	10♈33	1°58	25°19	29°26	28° 6	27°40	4°58	8°56	20°43	5°48	5°52	28°30	25°23	F 21
S 22	18 28 33	6°52'06	22°49	3° 7	26°32	29°21	28°19	27°36	5° 2	8°56	20°44	5°47	5°49	28°36	25°25	S 22
S 23	18 32 30	7°49'18	5♉25	4°14	27°46	29°17	28°32	27°32	5° 6	8°55	20°46	5°45	5°45	28°43	25°27	S 23
M24	18 36 26	8°46'30	18°25	5°18	28°59	29°14	28°45	27°28	5° 9	8°54	20°47	5°41	5°42	28°50	25°28	M24
T 25	18 40 23	9°43'43	1♊52	6°19	0♌12	29°12	28°58	27°24	5°13	8°54	20°49	5°34	5°39	28°56	25°30	T 25
W26	18 44 19	10°40'56	15°46	7°17	1°26	29°11	29°10	27°20	5°16	8°53	20°51	5°25	5°36	29° 3	25°31	W26
T 27	18 48 16	11°38'10	0♋ 5	8°11	2°39	29°D11	29°23	27°16	5°20	8°52	20°52	5°15	5°33	29°10	25°33	T 27
F 28	18 52 13	12°35'25	14°43	9° 3	3°52	29°11	29°36	27°12	5°24	8°52	20°54	5° 3	5°30	29°16	25°34	F 28
S 29	18 56 9	13°32'40	29°34	9°51	5° 5	29°13	29°49	27° 7	5°27	8°51	20°56	4°53	5°26	29°23	25°36	S 29
S 30	19 0 6	14♋29'55	14♌28	10♌36	6♌18	29♏15	0♌ 2	27♑ 3	5♋31	8♓50	20♋57	4♎44	5♎23	29♒30	25♈37	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	17n 9	4s56	25n29	1n57	24n30	0n58	23 s50	2s56	21n57	0n34	20s52	0s24	23n48	0n18	9s11	1s 2	25n26	3n28	3s 3	2s46	9s39	10n25	0n53
S 2	22 59	14 48	4 30	25 29	1 58	24 32	1 0	23 49	2 59	21 55	0 34	20 53	0 24	23 48	0 18	9 11	1 2	25 26	3 28	3 0	2 44	9 38	10 26	0 53
M 3	23 4	11 33	3 47	25 27	1 59	24 32	1 2	23 49	3 2	21 53	0 34	20 54	0 24	23 47	0 18	9 11	1 2	25 26	3 28	2 58	2 43	9 36	10 27	0 53
T 4	23 8	7 38	2 50	25 23	1 59	24 32	1 4	23 48	3 5	21 51	0 34	20 54	0 24	23 47	0 18	9 11	1 3	25 26	3 28	2 57	2 42	9 35	10 27	0 53
W 5	23 13	3 19	1 43	25 17	1 59	24 31	1 6	23 47	3 7	21 49	0 34	20 55	0 24	23 47	0 18	9 12	1 3	25 26	3 28	2 56	2 41	9 33	10 28	0 53
T 6	23 17	1s 7	0 30	25 8	1 58	24 29	1 7	23 46	3 9	21 46	0 34	20 56	0 24	23 47	0 18	9 12	1 3	25 25	3 28	2 57	2 39	9 31	10 29	0 53
F 7	23 20	5 27	0n43	24 58	1 56	24 26	1 9	23 45	3 12	21 44	0 34	20 57	0 24	23 47	0 18	9 12	1 3	25 25	3 28	2 56	2 38	9 30	10 30	0 53
S 8	23 23	9 26	1 52	24 46	1 53	24 23	1 11	23 44	3 14	21 42	0 34	20 57	0 24	23 47	0 18	9 12	1 3	25 25	3 28	2 56	2 37	9 28	10 31	0 53
S 9	23 26	12 53	2 54	24 32	1 50	24 19	1 13	23 43	3 16	21 40	0 34	20 58	0 25	23 47	0 18	9 12	1 3	25 25	3 28	2 54	2 35	9 26	10 32	0 53
M10	23 28	15 36	3 46	24 16	1 47	24 14	1 14	23 42	3 18	21 38	0 34	20 59	0 25	23 47	0 18	9 12	1 3	25 25	3 28	2 52	2 34	9 25	10 32	0 53
T 11	23 29	17 29	4 25	23 59	1 42	24 9	1 16	23 42	3 20	21 35	0 34	21 0	0 25	23 47	0 18	9 12	1 3	25 24	3 28	2 48	2 33	9 23	10 33	0 52
W12	23 31	18 27	4 50	23 41	1 37	24 3	1 17	23 41	3 22	21 33	0 34	21 1	0 25	23 46	0 19	9 12	1 3	25 24	3 28	2 43	2 32	9 22	10 34	0 52
T 13	23 32	18 28	5 0	23 22	1 32	23 56	1 19	23 40	3 24	21 31	0 34	21 1	0 25	23 46	0 19	9 12	1 3	25 24	3 28	2 38	2 30	9 20	10 35	0 52
F 14	23 32	17 36	4 56	23 1	1 25	23 48	1 20	23 39	3 26	21 28	0 34	21 2	0 25	23 46	0 19	9 12	1 3	25 24	3 28	2 33	2 29	9 18	10 36	0 52
S 15	23 32	15 55	4 37	22 40	1 19	23 40	1 21	23 39	3 27	21 26	0 34	21 3	0 25	23 46	0 19	9 13	1 3	25 24	3 28	2 29	2 28	9 17	10 36	0 52
S 16	23 32	13 34	4 7	22 18	1 12	23 31	1 23	23 38	3 29	21 24	0 34	21 4	0 25	23 46	0 19	9 13	1 3	25 23	3 28	2 25	2 27	9 15	10 37	0 52
M17	23 31	10 40	3 26	21 54	1 4	23 22	1 24	23 38	3 30	21 21	0 34	21 5	0 25	23 46	0 19	9 13	1 3	25 23	3 28	2 22	2 25	9 13	10 38	0 52
T 18	23 30	7 22	2 36	21 30	0 56	23 11	1 25	23 37	3 32	21 19	0 34	21 6	0 26	23 46	0 19	9 13	1 3	25 23	3 28	2 20	2 24	9 12	10 38	0 52
W19	23 29	3 46	1 40	21 6	0 47	23 0	1 26	23 37	3 33	21 16	0 34	21 6	0 26	23 46	0 19	9 13	1 3	25 23	3 28	2 19	2 23	9 10	10 39	0 52
T 20	23 27	0 0	0 39	20 41	0 38	22 49	1 27	23 37	3 34	21 14	0 34	21 7	0 26	23 46	0 19	9 14	1 3	25 22	3 28	2 19	2 22	9 8	10 40	0 52
F 21	23 24	3n48	0s25	20 16	0 28	22 36	1 28	23 37	3 35	21 11	0 34	21 8	0 26	23 45	0 19	9 14	1 3	25 22	3 29	2 19	2 20	9 7	10 40	0 52
S 22	23 22	7 32	1 29	19 50	0 18	22 23	1 29	23 37	3 36	21 9	0 34	21 9	0 26	23 45	0 19	9 14	1 3	25 22	3 29	2 19	2 19	9 5	10 41	0 52
S 23	23 19	11 2	2 30	19 24	0 7	22 10	1 30	23 37	3 37	21 6	0 34	21 10	0 26	23 45	0 19	9 14	1 3	25 22	3 29	2 18	2 18	9 4	10 41	0 52
M24	23 15	14 6	3 25	18 58	0s 3	21 56	1 31	23 37	3 38	21 4	0 35	21 11	0 26	23 45	0 19	9 15	1 3	25 22	3 29	2 16	2 17	9 2	10 42	0 52
T 25	23 11	16 31	4 11	18 32	0 15	21 41	1 31	23 38	3 39	21 1	0 35	21 12	0 26	23 45	0 19	9 15	1 3	25 21	3 29	2 13	2 15	9 0	10 43	0 52
W26	23 7	18 4	4 44	18 6	0 26	21 25	1 32	23 38	3 40	20 59	0 35	21 13	0 26	23 45	0 19	9 15	1 3	25 21	3 29	2 10	2 14	8 59	10 43	0 52
T 27	23 2	18 33	5 0	17 41	0 38	21 9	1 33	23 39	3 41	20 56	0 35	21 14	0 26	23 45	0 19	9 15	1 4	25 21	3 29	2 6	2 13	8 57	10 44	0 52
F 28	22 57	17 48	4 57	17 15	0 51	20 53	1 33	23 39	3 41	20 53	0 35	21 15	0 27	23 44	0 19	9 16	1 4	25 21	3 29	2 1	2 11	8 55	10 44	0 52
S 29	22 51	15 52	4 34	16 51	1 3	20 35	1 34	23 40	3 42	20 51	0 35	21 16	0 27	23 44	0 19	9 16	1 4	25 21	3 29	1 57	2 10	8 54	10 45	0 52
S 30	22n45	12n51	3s52	16n26	1s16	20n17	1n34	23 s41	3s42	20n48	0n35	21s17	0s27	23n44	0n19	9s16	1s 4	25n20	3n29	1s53	2s 9	8s52	10n45	0n52

Julian Day Number = 2158048.5, Delta T = 13m29s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'07, Lahiri = 12°39'08 Julian Calendar 1 June 1196 == Greg. Calendar 8 June 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

JULY 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 4 2	15♋27'11	29♌17	11♌17	7♌32	29♏18	0♌15	26°R59	5♋35	8°R49	20♋59	4°R38	5♎20	29♒36	25♈38	M 1
T 2	19 7 59	16°24'27	13♍53	11°55	8°45	29°22	0°28	26♏54	5°38	8♓49	21° 1	4♎35	5°17	29°43	25°39	T 2
W 3	19 11 55	17°21'43	28°14	12°28	9°58	29°26	0°41	26°50	5°42	8°48	21° 3	4°34	5°14	29°50	25°40	W 3
T 4	19 15 52	18°19'00	12♎16	12°58	11°11	29°32	0°54	26°46	5°45	8°47	21° 4	4°34	5°10	29°56	25°42	T 4
F 5	19 19 48	19°16'17	26° 0	13°23	12°24	29°38	1° 7	26°41	5°49	8°46	21° 6	4°34	5° 7	0♓ 3	25°43	F 5
S 6	19 23 45	20°13'34	9♏27	13°43	13°37	29°45	1°20	26°37	5°52	8°45	21° 8	4°32	5° 4	0°10	25°44	S 6
S 7	19 27 42	21°10'52	22°39	13°59	14°50	29°53	1°33	26°32	5°56	8°44	21° 9	4°29	5° 1	0°16	25°44	S 7
M 8	19 31 38	22° 8'11	5♐36	14°10	16° 4	0♐ 2	1°46	26°28	5°59	8°43	21°11	4°23	4°58	0°23	25°45	M 8
T 9	19 35 35	23° 5'30	18°21	14°17	17°17	0°11	1°59	26°23	6° 3	8°42	21°13	4°14	4°55	0°30	25°46	T 9
W10	19 39 31	24° 2'49	0♑55	14°R18	18°30	0°21	2°13	26°19	6° 7	8°41	21°14	4° 3	4°51	0°36	25°47	W10
T 11	19 43 28	25° 0'10	13°18	14°14	19°43	0°32	2°26	26°14	6°10	8°40	21°16	3°52	4°48	0°43	25°48	T 11
F 12	19 47 24	25°57'31	25°32	14° 5	20°56	0°44	2°39	26°10	6°13	8°39	21°18	3°40	4°45	0°50	25°48	F 12
S 13	19 51 21	26°54'53	7♒37	13°51	22° 9	0°56	2°52	26° 6	6°17	8°38	21°19	3°28	4°42	0°56	25°49	S 13
S 14	19 55 17	27°52'16	19°33	13°32	23°22	1° 9	3° 5	26° 1	6°20	8°37	21°21	3°19	4°39	1° 3	25°49	S 14
M15	19 59 14	28°49'40	1♓25	13° 8	24°34	1°23	3°18	25°57	6°24	8°35	21°23	3°12	4°36	1°10	25°50	M15
T 16	20 3 11	29°47'05	13°13	12°39	25°47	1°37	3°32	25°52	6°27	8°34	21°24	3° 8	4°32	1°16	25°50	T 16
W17	20 7 7	0♌44'31	25° 1	12° 6	27° 0	1°52	3°45	25°48	6°31	8°33	21°26	3° 6	4°29	1°23	25°51	W17
T 18	20 11 4	1°41'59	6♈53	11°28	28°13	2° 8	3°58	25°43	6°34	8°32	21°28	3°D 5	4°26	1°30	25°51	T 18
F 19	20 15 0	2°39'28	18°54	10°47	29°26	2°24	4°11	25°39	6°37	8°31	21°29	3° 6	4°23	1°36	25°51	F 19
S 20	20 18 57	3°36'58	1♉ 9	10° 3	0♍39	2°41	4°24	25°34	6°41	8°29	21°31	3°R 7	4°20	1°43	25°52	S 20
S 21	20 22 53	4°34'30	13°43	9°16	1°52	2°59	4°38	25°30	6°44	8°28	21°33	3° 6	4°16	1°50	25°52	S 21
M22	20 26 50	5°32'03	26°41	8°28	3° 5	3°17	4°51	25°26	6°47	8°27	21°34	3° 4	4°13	1°56	25°52	M22
T 23	20 30 46	6°29'38	10♊ 6	7°39	4°17	3°36	5° 4	25°21	6°51	8°25	21°36	3° 0	4°10	2° 3	25°R52	T 23
W24	20 34 43	7°27'14	24° 0	6°51	5°30	3°55	5°17	25°17	6°54	8°24	21°38	2°54	4° 7	2°10	25°52	W24
T 25	20 38 40	8°24'51	8♋23	6° 3	6°43	4°15	5°30	25°13	6°57	8°23	21°39	2°46	4° 4	2°16	25°52	T 25
F 26	20 42 36	9°22'31	23° 9	5°18	7°56	4°36	5°44	25° 8	7° 0	8°21	21°41	2°38	4° 1	2°23	25°52	F 26
S 27	20 46 33	10°20'11	8♌12	4°35	9° 8	4°57	5°57	25° 4	7° 4	8°20	21°43	2°30	3°57	2°30	25°51	S 27
S 28	20 50 29	11°17'53	23°22	3°57	10°21	5°19	6°10	25° 0	7° 7	8°18	21°44	2°24	3°54	2°36	25°51	S 28
M29	20 54 26	12°15'36	8♍29	3°23	11°34	5°41	6°23	24°56	7°10	8°17	21°46	2°20	3°51	2°43	25°51	M29
T 30	20 58 22	13°13'20	23°24	2°55	12°46	6° 4	6°36	24°52	7°13	8°16	21°47	2°18	3°48	2°50	25°51	T 30
W31	21 2 19	14♌11'05	8♎ 0	2♌32	13♍59	6♐27	6♌49	24♑47	7♋16	8♓14	21♋49	2°D18	3♎45	2♓56	25♈50	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n38	9n 2	2s55	16n 2	1s29	19n59	1n34	23s42	3s43	20n45	0n35	21s17	0s27	23n44	0n19	9s17	1s 4	25n20	3n29	1s51	2s 8	8s50	10n45	0n52
T 2	22 32	4 43	1 47	15 39	1 42	19 40	1 34	23 43	3 43	20 42	0 35	21 18	0 27	23 44	0 19	9 17	1 4	25 20	3 29	1 50	2 6	8 49	10 46	0 52
W 3	22 25	0 12	0 34	15 17	1 56	19 21	1 35	23 45	3 43	20 40	0 35	21 19	0 27	23 44	0 19	9 17	1 4	25 20	3 29	1 49	2 5	8 47	10 46	0 52
T 4	22 17	4s15	0n41	14 56	2 9	19 1	1 35	23 46	3 43	20 37	0 35	21 20	0 27	23 44	0 19	9 18	1 4	25 20	3 29	1 49	2 4	8 45	10 47	0 52
F 5	22 9	8 22	1 51	14 36	2 22	18 40	1 35	23 48	3 44	20 34	0 35	21 21	0 27	23 43	0 19	9 18	1 4	25 19	3 29	1 49	2 3	8 44	10 47	0 52
S 6	22 1	11 57	2 54	14 17	2 36	18 19	1 35	23 49	3 44	20 31	0 35	21 22	0 27	23 43	0 19	9 19	1 4	25 19	3 29	1 49	2 1	8 42	10 47	0 52
S 7	21 52	14 52	3 46	14 0	2 49	17 57	1 35	23 51	3 44	20 28	0 35	21 23	0 27	23 43	0 19	9 19	1 4	25 19	3 29	1 47	2 0	8 40	10 48	0 52
M 8	21 43	16 59	4 25	13 44	3 3	17 35	1 34	23 53	3 44	20 25	0 35	21 24	0 28	23 43	0 19	9 19	1 4	25 19	3 29	1 45	1 59	8 39	10 48	0 52
T 9	21 33	18 12	4 51	13 30	3 16	17 13	1 34	23 55	3 44	20 23	0 35	21 25	0 28	23 43	0 19	9 20	1 4	25 19	3 30	1 41	1 58	8 37	10 48	0 52
W10	21 24	18 31	5 2	13 17	3 28	16 50	1 34	23 57	3 44	20 20	0 36	21 26	0 28	23 43	0 19	9 20	1 4	25 18	3 30	1 37	1 56	8 35	10 48	0 52
T 11	21 13	17 56	4 58	13 6	3 41	16 27	1 33	24 0	3 44	20 17	0 36	21 27	0 28	23 43	0 19	9 21	1 4	25 18	3 30	1 32	1 55	8 34	10 49	0 52
F 12	21 3	16 31	4 41	12 58	3 52	16 3	1 33	24 2	3 44	20 14	0 36	21 28	0 28	23 42	0 19	9 21	1 4	25 18	3 30	1 28	1 54	8 32	10 49	0 52
S 13	20 52	14 24	4 11	12 51	4 3	15 39	1 32	24 4	3 43	20 11	0 36	21 29	0 28	23 42	0 19	9 22	1 4	25 18	3 30	1 23	1 52	8 30	10 49	0 52
S 14	20 41	11 41	3 30	12 47	4 13	15 14	1 32	24 7	3 43	20 8	0 36	21 30	0 28	23 42	0 19	9 22	1 4	25 18	3 30	1 19	1 51	8 29	10 49	0 52
M15	20 29	8 31	2 41	12 45	4 23	14 49	1 31	24 10	3 43	20 5	0 36	21 31	0 28	23 42	0 19	9 22	1 4	25 17	3 30	1 17	1 50	8 27	10 49	0 52
T 16	20 17	5 1	1 44	12 45	4 31	14 23	1 30	24 12	3 43	20 2	0 36	21 32	0 28	23 42	0 19	9 23	1 4	25 17	3 30	1 15	1 49	8 25	10 50	0 52
W17	20 5	1 20	0 43	12 48	4 38	13 58	1 29	24 15	3 42	19 59	0 36	21 32	0 28	23 42	0 19	9 23	1 4	25 17	3 30	1 14	1 47	8 24	10 50	0 52
T 18	19 52	2n26	0s20	12 53	4 43	13 31	1 28	24 18	3 42	19 56	0 36	21 33	0 28	23 42	0 19	9 24	1 4	25 17	3 30	1 14	1 46	8 22	10 50	0 52
F 19	19 39	6 8	1 24	13 0	4 47	13 5	1 27	24 21	3 42	19 53	0 36	21 34	0 29	23 41	0 19	9 24	1 4	25 17	3 30	1 14	1 45	8 20	10 50	0 52
S 20	19 26	9 40	2 25	13 10	4 49	12 38	1 26	24 24	3 41	19 50	0 36	21 35	0 29	23 41	0 19	9 25	1 4	25 16	3 30	1 15	1 44	8 19	10 50	0 52
S 21	19 12	12 50	3 20	13 21	4 50	12 11	1 25	24 27	3 41	19 47	0 36	21 36	0 29	23 41	0 19	9 25	1 4	25 16	3 30	1 14	1 42	8 17	10 50	0 52
M22	18 58	15 29	4 7	13 35	4 48	11 43	1 24	24 30	3 40	19 43	0 36	21 37	0 29	23 41	0 19	9 26	1 4	25 16	3 31	1 14	1 41	8 15	10 50	0 51
T 23	18 44	17 24	4 42	13 50	4 45	11 16	1 23	24 33	3 40	19 40	0 37	21 38	0 29	23 41	0 19	9 27	1 4	25 16	3 31	1 12	1 40	8 14	10 50	0 51
W24	18 29	18 22	5 3	14 7	4 40	10 47	1 21	24 36	3 39	19 37	0 37	21 39	0 29	23 41	0 19	9 27	1 4	25 16	3 31	1 9	1 39	8 12	10 50	0 51
T 25	18 14	18 12	5 5	14 25	4 33	10 19	1 20	24 40	3 39	19 34	0 37	21 40	0 29	23 40	0 19	9 28	1 4	25 16	3 31	1 6	1 37	8 10	10 50	0 51
F 26	17 59	16 50	4 47	14 45	4 25	9 50	1 18	24 43	3 38	19 31	0 37	21 40	0 29	23 40	0 19	9 28	1 5	25 15	3 31	1 3	1 36	8 9	10 50	0 51
S 27	17 43	14 17	4 9	15 5	4 15	9 22	1 17	24 46	3 37	19 28	0 37	21 41	0 29	23 40	0 19	9 29	1 5	25 15	3 31	1 0	1 35	8 7	10 50	0 51
S 28	17 28	10 44	3 14	15 25	4 3	8 52	1 15	24 50	3 37	19 24	0 37	21 42	0 29	23 40	0 19	9 29	1 5	25 15	3 31	0 58	1 33	8 5	10 50	0 51
M29	17 12	6 30	2 5	15 46	3 50	8 23	1 13	24 53	3 36	19 21	0 37	21 43	0 29	23 40	0 19	9 30	1 5	25 15	3 31	0 56	1 32	8 4	10 49	0 51
T 30	16 55	1 54	0 48	16 6	3 35	7 54	1 11	24 57	3 35	19 18	0 37	21 44	0 29	23 40	0 19	9 30	1 5	25 15	3 31	0 55	1 31	8 2	10 49	0 51
W31	16n39	2s43	0n31	16n26	3s20	7n24	1n10	25s 0	3s35	19n15	0n37	21s45	0s29	23n40	0n19	9s31	1s 5	25n15	3n31	0s55	1s30	8s 0	10n49	0n51

Julian Day Number = 2158078.5, Delta T = 13m29s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'12, Lahiri = 12°39'12 Julian Calendar 1 July 1196 == Greg. Calendar 8 July 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

AUGUST 1196 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 6 15	15♌ 8'51	22♎14	2°R17	15♍11	6♐51	7♌ 3	24°R43	7♋19	8°R13	21♋50	2♎18	3♎42	3♓ 3	25°R50	T 1
F 2	21 10 12	16° 6'39	6♏ 4	2♌ 8	16°24	7°15	7°16	24♑39	7°22	8♓11	21°52	2°20	3°38	3°10	25♈49	F 2
S 3	21 14 9	17° 4'28	19°31	2°D 7	17°37	7°40	7°29	24°35	7°25	8°10	21°54	2°R20	3°35	3°16	25°49	S 3
S 4	21 18 5	18° 2'18	2♐37	2°13	18°49	8° 5	7°42	24°31	7°28	8° 8	21°55	2°19	3°32	3°23	25°48	S 4
M 5	21 22 2	19° 0'09	15°25	2°28	20° 2	8°30	7°55	24°28	7°31	8° 7	21°57	2°16	3°29	3°30	25°47	M 5
T 6	21 25 58	19°58'02	27°58	2°50	21°14	8°57	8° 8	24°24	7°34	8° 5	21°58	2°11	3°26	3°36	25°47	T 6
W 7	21 29 55	20°55'56	10♑19	3°20	22°26	9°23	8°21	24°20	7°37	8° 3	22° 0	2° 5	3°22	3°43	25°46	W 7
T 8	21 33 51	21°53'51	22°30	3°58	23°39	9°50	8°34	24°16	7°40	8° 2	22° 1	1°58	3°19	3°50	25°45	T 8
F 9	21 37 48	22°51'48	4♒32	4°44	24°51	10°18	8°47	24°13	7°43	8° 0	22° 3	1°50	3°16	3°56	25°44	F 9
S 10	21 41 44	23°49'47	16°28	5°37	26° 3	10°45	9° 0	24° 9	7°45	7°59	22° 4	1°44	3°13	4° 3	25°43	S 10
S 11	21 45 41	24°47'46	28°20	6°37	27°16	11°14	9°13	24° 6	7°48	7°57	22° 6	1°38	3°10	4°10	25°42	S 11
M12	21 49 38	25°45'48	10♓ 8	7°44	28°28	11°42	9°26	24° 2	7°51	7°55	22° 7	1°34	3° 7	4°16	25°41	M12
T 13	21 53 34	26°43'51	21°56	8°57	29°40	12°11	9°39	23°59	7°54	7°54	22° 9	1°32	3° 3	4°23	25°40	T 13
W14	21 57 31	27°41'57	3♈47	10°16	0♎52	12°40	9°52	23°55	7°56	7°52	22°10	1°D32	3° 0	4°30	25°39	W14
T 15	22 1 27	28°40'04	15°42	11°41	2° 4	13°10	10° 4	23°52	7°59	7°51	22°11	1°33	2°57	4°36	25°38	T 15
F 16	22 5 24	29°38'13	27°46	13°11	3°17	13°40	10°17	23°49	8° 1	7°49	22°13	1°34	2°54	4°43	25°36	F 16
S 17	22 9 20	0♍36'24	10♉ 2	14°45	4°29	14°11	10°30	23°46	8° 4	7°47	22°14	1°36	2°51	4°50	25°35	S 17
S 18	22 13 17	1°34'37	22°35	16°23	5°41	14°41	10°43	23°43	8° 6	7°46	22°16	1°37	2°48	4°56	25°34	S 18
M19	22 17 13	2°32'52	5♊30	18° 5	6°53	15°13	10°55	23°40	8° 9	7°44	22°17	1°R37	2°44	5° 3	25°32	M19
T 20	22 21 10	3°31'09	18°50	19°50	8° 5	15°44	11° 8	23°37	8°11	7°42	22°18	1°37	2°41	5°10	25°31	T 20
W21	22 25 7	4°29'29	2♋36	21°37	9°17	16°16	11°21	23°34	8°14	7°41	22°20	1°34	2°38	5°16	25°29	W21
T 22	22 29 3	5°27'50	16°50	23°26	10°28	16°48	11°33	23°31	8°16	7°39	22°21	1°31	2°35	5°23	25°28	T 22
F 23	22 33 0	6°26'14	1♌30	25°17	11°40	17°20	11°46	23°28	8°18	7°37	22°22	1°28	2°32	5°30	25°26	F 23
S 24	22 36 56	7°24'40	16°29	27° 8	12°52	17°53	11°59	23°26	8°21	7°36	22°23	1°25	2°28	5°36	25°24	S 24
S 25	22 40 53	8°23'07	1♍40	29° 1	14° 4	18°26	12°11	23°23	8°23	7°34	22°25	1°22	2°25	5°43	25°23	S 25
M26	22 44 49	9°21'37	16°54	0♍54	15°16	18°59	12°23	23°21	8°25	7°32	22°26	1°20	2°22	5°50	25°21	M26
T 27	22 48 46	10°20'09	1♎59	2°48	16°28	19°33	12°36	23°19	8°27	7°31	22°27	1°D20	2°19	5°56	25°19	T 27
W28	22 52 42	11°18'42	16°48	4°41	17°39	20° 7	12°48	23°16	8°29	7°29	22°28	1°20	2°16	6° 3	25°17	W28
T 29	22 56 39	12°17'17	1♏15	6°34	18°51	20°41	13° 0	23°14	8°31	7°28	22°30	1°22	2°13	6°10	25°15	T 29
F 30	23 0 35	13°15'54	15°16	8°27	20° 2	21°15	13°13	23°12	8°33	7°26	22°31	1°23	2° 9	6°16	25°13	F 30
S 31	23 4 32	14♍14'32	28♏51	10♍20	21♎14	21♐50	13♌25	23♑10	8♋35	7♓24	22♋32	1♎24	2♎ 6	6♓23	25♈12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n22	7s 3	1n46	16n46	3s 3	6n54	1n 8	25s 3	3s34	19n12	0n37	21s45	0s30	23n39	0n19	9s32	1s 5	25n14	3n32	0s55	1s28	7s59	10n49	0n51
F 2	16 4	10 53	2 52	17 4	2 46	6 24	1 6	25 7	3 33	19 8	0 37	21 46	0 30	23 39	0 19	9 32	1 5	25 14	3 32	0 56	1 27	7 57	10 49	0 51
S 3	15 47	14 2	3 48	17 21	2 29	5 53	1 4	25 10	3 32	19 5	0 37	21 47	0 30	23 39	0 19	9 33	1 5	25 14	3 32	0 56	1 26	7 55	10 49	0 51
S 4	15 29	16 22	4 29	17 37	2 11	5 23	1 1	25 14	3 31	19 2	0 38	21 48	0 30	23 39	0 19	9 33	1 5	25 14	3 32	0 55	1 25	7 54	10 48	0 51
M 5	15 11	17 50	4 56	17 51	1 53	4 52	0 59	25 17	3 31	18 58	0 38	21 48	0 30	23 39	0 19	9 34	1 5	25 14	3 32	0 54	1 23	7 52	10 48	0 51
T 6	14 53	18 23	5 9	18 4	1 36	4 22	0 57	25 20	3 30	18 55	0 38	21 49	0 30	23 39	0 19	9 34	1 5	25 14	3 32	0 52	1 22	7 50	10 48	0 51
W 7	14 35	18 3	5 6	18 14	1 18	3 51	0 55	25 24	3 29	18 52	0 38	21 50	0 30	23 38	0 19	9 35	1 5	25 14	3 32	0 50	1 21	7 49	10 47	0 51
T 8	14 16	16 53	4 50	18 22	1 1	3 20	0 52	25 27	3 28	18 48	0 38	21 51	0 30	23 38	0 19	9 36	1 5	25 13	3 32	0 47	1 20	7 47	10 47	0 51
F 9	13 57	14 59	4 21	18 27	0 44	2 49	0 50	25 30	3 27	18 45	0 38	21 51	0 30	23 38	0 19	9 36	1 5	25 13	3 32	0 44	1 18	7 45	10 47	0 51
S 10	13 38	12 27	3 41	18 30	0 28	2 18	0 47	25 33	3 26	18 42	0 38	21 52	0 30	23 38	0 19	9 37	1 5	25 13	3 33	0 41	1 17	7 44	10 46	0 51
S 11	13 19	9 26	2 51	18 30	0 12	1 47	0 45	25 37	3 25	18 38	0 38	21 53	0 30	23 38	0 19	9 38	1 5	25 13	3 33	0 39	1 16	7 42	10 46	0 51
M12	12 59	6 2	1 54	18 27	0n 2	1 15	0 42	25 40	3 25	18 35	0 38	21 53	0 30	23 38	0 19	9 38	1 5	25 13	3 33	0 38	1 14	7 40	10 46	0 51
T 13	12 39	2 25	0 52	18 22	0 16	0 44	0 39	25 43	3 24	18 32	0 39	21 54	0 30	23 38	0 19	9 39	1 5	25 13	3 33	0 37	1 13	7 38	10 45	0 51
W14	12 19	1n19	0s12	18 13	0 29	0 13	0 37	25 46	3 23	18 28	0 39	21 55	0 30	23 37	0 19	9 39	1 5	25 13	3 33	0 37	1 12	7 37	10 45	0 51
T 15	11 59	5 1	1 17	18 1	0 41	0s19	0 34	25 49	3 22	18 25	0 39	21 55	0 30	23 37	0 19	9 40	1 5	25 12	3 33	0 37	1 11	7 35	10 44	0 51
F 16	11 39	8 34	2 19	17 46	0 52	0 50	0 31	25 51	3 21	18 22	0 39	21 56	0 30	23 37	0 19	9 41	1 5	25 12	3 33	0 38	1 9	7 33	10 44	0 51
S 17	11 18	11 47	3 16	17 28	1 3	1 21	0 28	25 54	3 20	18 18	0 39	21 57	0 30	23 37	0 19	9 41	1 5	25 12	3 33	0 38	1 8	7 32	10 43	0 51
S 18	10 58	14 33	4 5	17 8	1 12	1 53	0 25	25 57	3 19	18 15	0 39	21 57	0 31	23 37	0 19	9 42	1 5	25 12	3 33	0 39	1 7	7 30	10 43	0 51
M19	10 37	16 41	4 42	16 44	1 20	2 24	0 22	25 59	3 18	18 12	0 39	21 58	0 31	23 37	0 20	9 43	1 5	25 12	3 34	0 39	1 6	7 28	10 42	0 51
T 20	10 16	17 59	5 7	16 18	1 26	2 56	0 19	26 2	3 17	18 8	0 39	21 58	0 31	23 37	0 20	9 43	1 5	25 12	3 34	0 39	1 4	7 27	10 41	0 51
W21	9 54	18 17	5 14	15 49	1 32	3 27	0 16	26 4	3 16	18 5	0 39	21 59	0 31	23 37	0 20	9 44	1 5	25 12	3 34	0 38	1 3	7 25	10 41	0 51
T 22	9 33	17 27	5 3	15 18	1 37	3 58	0 13	26 7	3 15	18 1	0 40	21 59	0 31	23 36	0 20	9 44	1 5	25 12	3 34	0 37	1 2	7 23	10 40	0 51
F 23	9 11	15 29	4 33	14 44	1 41	4 29	0 10	26 9	3 14	17 58	0 40	22 0	0 31	23 36	0 20	9 45	1 5	25 12	3 34	0 35	1 1	7 21	10 40	0 51
S 24	8 50	12 25	3 43	14 9	1 45	5 0	0 6	26 11	3 12	17 55	0 40	22 0	0 31	23 36	0 20	9 46	1 5	25 12	3 34	0 34	0 59	7 20	10 39	0 51
S 25	8 28	8 29	2 36	13 32	1 47	5 31	0 3	26 13	3 11	17 51	0 40	22 1	0 31	23 36	0 20	9 46	1 5	25 12	3 34	0 33	0 58	7 18	10 38	0 50
M26	8 6	3 59	1 19	12 53	1 48	6 2	0s 0	26 15	3 10	17 48	0 40	22 1	0 31	23 36	0 20	9 47	1 5	25 11	3 35	0 32	0 57	7 16	10 38	0 50
T 27	7 43	0s44	0n 4	12 13	1 49	6 33	0 3	26 16	3 9	17 44	0 40	22 2	0 31	23 36	0 20	9 48	1 5	25 11	3 35	0 32	0 55	7 15	10 37	0 50
W28	7 21	5 20	1 25	11 31	1 49	7 4	0 7	26 18	3 8	17 41	0 40	22 2	0 31	23 36	0 20	9 48	1 5	25 11	3 35	0 32	0 54	7 13	10 36	0 50
T 29	6 59	9 29	2 38	10 49	1 48	7 34	0 10	26 19	3 7	17 38	0 40	22 2	0 31	23 36	0 20	9 49	1 5	25 11	3 35	0 33	0 53	7 11	10 36	0 50
F 30	6 36	12 59	3 40	10 5	1 47	8 5	0 14	26 20	3 6	17 34	0 41	22 3	0 31	23 36	0 20	9 49	1 5	25 11	3 35	0 33	0 52	7 9	10 35	0 50
S 31	6n14	15s38	4n27	9n21	1n45	8s35	0s17	26s22	3s 5	17n31	0n41	22s 3	0s31	23n35	0n20	9s50	1s 5	25n11	3n35	0s34	0s50	7s 8	10n34	0n50

Julian Day Number = 2158109.5, Delta T = 13m29s
Ecliptic obliquity = 23°32'27, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'16, Lahiri = 12°39'16 Julian Calendar 1 Aug. 1196 == Greg. Calendar 8 Aug. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

SEPTEMBER 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 29	15♍13'13	12♐ 1	12♍12	22♎26	22♐25	13♑37	23°R 8	8♋37	7°R23	22♋33	1°R25	2♎ 3	6♓29	25°R 9	S 1
M 2	23 12 25	16°11'55	24°48	14° 3	23°37	23° 0	13°49	23♏ 6	8°39	7♓21	22°34	1♎24	2° 0	6°36	25♈ 7	M 2
T 3	23 16 22	17°10'38	7♏17	15°53	24°48	23°36	14° 1	23° 5	8°41	7°19	22°35	1°23	1°57	6°43	25° 5	T 3
W 4	23 20 18	18° 9'24	19°31	17°43	26° 0	24°12	14°13	23° 3	8°43	7°18	22°36	1°22	1°53	6°49	25° 3	W 4
T 5	23 24 15	19° 8'11	1♒34	19°31	27°11	24°47	14°25	23° 2	8°45	7°16	22°37	1°20	1°50	6°56	25° 1	T 5
F 6	23 28 11	20° 7'00	13°29	21°19	28°22	25°24	14°37	23° 0	8°46	7°14	22°38	1°19	1°47	7° 3	24°59	F 6
S 7	23 32 8	21° 5'51	25°19	23° 6	29°34	26° 0	14°49	22°59	8°48	7°13	22°39	1°17	1°44	7° 9	24°57	S 7
S 8	23 36 4	22° 4'44	7♓ 8	24°52	0♏45	26°37	15° 1	22°57	8°50	7°11	22°40	1°16	1°41	7°16	24°54	S 8
M 9	23 40 1	23° 3'39	18°57	26°37	1°56	27°13	15°12	22°56	8°51	7°10	22°41	1°15	1°38	7°23	24°52	M 9
T 10	23 43 58	24° 2'35	0♈50	28°22	3° 7	27°50	15°24	22°55	8°53	7° 8	22°42	1°D15	1°34	7°29	24°50	T 10
W11	23 47 54	25° 1'34	12°46	0♎ 5	4°18	28°28	15°35	22°54	8°54	7° 7	22°43	1°15	1°31	7°36	24°47	W11
T 12	23 51 51	26° 0'35	24°50	1°47	5°29	29° 5	15°47	22°53	8°55	7° 5	22°44	1°16	1°28	7°43	24°45	T 12
F 13	23 55 47	26°59'39	7♉ 3	3°29	6°40	29°43	15°58	22°53	8°57	7° 3	22°45	1°16	1°25	7°49	24°42	F 13
S 14	23 59 44	27°58'44	19°28	5°10	7°51	0♏20	16°10	22°52	8°58	7° 2	22°46	1°16	1°22	7°56	24°40	S 14
S 15	0 3 40	28°57'52	2♊ 8	6°49	9° 1	0°58	16°21	22°51	8°59	7° 0	22°47	1°17	1°19	8° 3	24°37	S 15
M16	0 7 37	29°57'02	15° 4	8°29	10°12	1°37	16°32	22°51	9° 1	6°59	22°47	1°17	1°15	8° 9	24°35	M16
T 17	0 11 33	0♎56'15	28°21	10° 7	11°23	2°15	16°43	22°51	9° 2	6°57	22°48	1°17	1°12	8°16	24°32	T 17
W18	0 15 30	1°55'30	11♋59	11°44	12°33	2°53	16°54	22°50	9° 3	6°56	22°49	1°17	1° 9	8°23	24°30	W18
T 19	0 19 27	2°54'47	26° 0	13°21	13°44	3°32	17° 5	22°50	9° 4	6°55	22°50	1°17	1° 6	8°29	24°27	T 19
F 20	0 23 23	3°54'07	10♌23	14°57	14°54	4°11	17°16	22°D50	9° 5	6°53	22°50	1°17	1° 3	8°36	24°24	F 20
S 21	0 27 20	4°53'29	25° 5	16°32	16° 5	4°50	17°27	22°50	9° 6	6°52	22°51	1°18	0°59	8°43	24°22	S 21
S 22	0 31 16	5°52'53	10♍ 1	18° 6	17°15	5°29	17°38	22°50	9° 7	6°50	22°52	1°18	0°56	8°49	24°19	S 22
M23	0 35 13	6°52'20	25° 4	19°40	18°25	6° 9	17°48	22°51	9° 8	6°49	22°52	1°R18	0°53	8°56	24°16	M23
T 24	0 39 9	7°51'48	10♎ 5	21°13	19°36	6°48	17°59	22°51	9° 8	6°47	22°53	1°18	0°50	9° 3	24°13	T 24
W25	0 43 6	8°51'19	24°56	22°46	20°46	7°28	18° 9	22°51	9° 9	6°46	22°54	1°18	0°47	9° 9	24°11	W25
T 26	0 47 2	9°50'52	9♏28	24°17	21°56	8° 8	18°20	22°52	9°10	6°45	22°54	1°17	0°44	9°16	24° 8	T 26
F 27	0 50 59	10°50'26	23°38	25°48	23° 6	8°48	18°30	22°53	9°10	6°44	22°55	1°16	0°40	9°23	24° 5	F 27
S 28	0 54 55	11°50'03	7♐21	27°19	24°16	9°28	18°40	22°53	9°11	6°42	22°55	1°14	0°37	9°29	24° 2	S 28
S 29	0 58 52	12°49'41	20°38	28°48	25°25	10° 8	18°50	22°54	9°12	6°41	22°56	1°13	0°34	9°36	23°59	S 29
M30	1 2 49	13♎49'22	3♏30	0♏17	26♏35	10♏48	19♑ 0	22♏55	9♋12	6♓40	22♋56	1♎13	0♎31	9♓43	23♈57	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n51	17s23	4n59	8n36	1n43	9s 5	0s20	26s23	3s 4	17n28	0n41	22s 4	0s31	23n35	0n20	9s51	1s 5	25n11	3n35	0s34	0s49	7s 6	10n33	0n50
M 2	5 28	18 12	5 15	7 50	1 40	9 35	0 24	26 23	3 2	17 24	0 41	22 4	0 31	23 35	0 20	9 51	1 5	25 11	3 36	0 34	0 48	7 4	10 32	0 50
T 3	5 5	18 6	5 15	7 4	1 36	10 4	0 27	26 24	3 1	17 21	0 41	22 4	0 31	23 35	0 20	9 52	1 5	25 11	3 36	0 33	0 47	7 3	10 32	0 50
W 4	4 42	17 9	5 1	6 18	1 32	10 34	0 31	26 25	3 0	17 17	0 41	22 5	0 31	23 35	0 20	9 53	1 5	25 11	3 36	0 33	0 45	7 1	10 31	0 50
T 5	4 19	15 27	4 34	5 31	1 28	11 3	0 34	26 25	2 59	17 14	0 41	22 5	0 31	23 35	0 20	9 53	1 5	25 11	3 36	0 32	0 44	6 59	10 30	0 50
F 6	3 56	13 5	3 55	4 44	1 24	11 32	0 38	26 25	2 58	17 11	0 42	22 5	0 31	23 35	0 20	9 54	1 5	25 11	3 36	0 31	0 43	6 57	10 29	0 50
S 7	3 33	10 12	3 7	3 57	1 19	12 1	0 42	26 25	2 57	17 7	0 42	22 5	0 31	23 35	0 20	9 54	1 5	25 11	3 36	0 31	0 42	6 56	10 28	0 50
S 8	3 9	6 55	2 10	3 10	1 14	12 29	0 45	26 25	2 55	17 4	0 42	22 6	0 31	23 35	0 20	9 55	1 5	25 11	3 36	0 30	0 40	6 54	10 27	0 50
M 9	2 46	3 21	1 8	2 23	1 8	12 57	0 49	26 25	2 54	17 1	0 42	22 6	0 31	23 35	0 20	9 56	1 5	25 11	3 37	0 30	0 39	6 52	10 26	0 50
T 10	2 23	0n22	0 2	1 37	1 3	13 25	0 52	26 24	2 53	16 57	0 42	22 6	0 32	23 35	0 20	9 56	1 5	25 11	3 37	0 30	0 38	6 51	10 25	0 50
W11	1 59	4 5	1s 4	0 50	0 57	13 53	0 56	26 24	2 52	16 54	0 42	22 6	0 32	23 34	0 20	9 57	1 5	25 11	3 37	0 30	0 36	6 49	10 25	0 50
T 12	1 36	7 41	2 7	0 4	0 51	14 20	1 0	26 23	2 51	16 51	0 42	22 7	0 32	23 34	0 20	9 57	1 5	25 11	3 37	0 30	0 35	6 47	10 24	0 50
F 13	1 12	11 0	3 6	0s43	0 44	14 47	1 3	26 22	2 49	16 48	0 43	22 7	0 32	23 34	0 20	9 58	1 5	25 11	3 37	0 30	0 34	6 45	10 23	0 50
S 14	0 48	13 52	3 57	1 29	0 38	15 14	1 7	26 20	2 48	16 44	0 43	22 7	0 32	23 34	0 20	9 58	1 5	25 11	3 37	0 31	0 33	6 44	10 22	0 50
S 15	0 25	16 8	4 38	2 14	0 32	15 40	1 10	26 19	2 47	16 41	0 43	22 7	0 32	23 34	0 20	9 59	1 5	25 11	3 37	0 31	0 31	6 42	10 21	0 49
M16	0 1	17 38	5 5	3 0	0 25	16 6	1 14	26 17	2 46	16 38	0 43	22 7	0 32	23 34	0 20	10 0	1 5	25 11	3 38	0 31	0 30	6 40	10 20	0 49
T 17	0s22	18 14	5 18	3 45	0 18	16 32	1 17	26 16	2 44	16 35	0 43	22 7	0 32	23 34	0 20	10 0	1 5	25 11	3 38	0 31	0 29	6 38	10 19	0 49
W18	0 46	17 49	5 13	4 29	0 11	16 57	1 21	26 14	2 43	16 31	0 43	22 7	0 32	23 34	0 20	10 1	1 5	25 11	3 38	0 31	0 28	6 37	10 18	0 49
T 19	1 10	16 18	4 49	5 13	0 5	17 22	1 25	26 11	2 42	16 28	0 43	22 7	0 32	23 34	0 20	10 1	1 5	25 11	3 38	0 31	0 26	6 35	10 17	0 49
F 20	1 33	13 45	4 7	5 57	0s 2	17 47	1 28	26 9	2 41	16 25	0 44	22 7	0 32	23 34	0 20	10 2	1 5	25 11	3 38	0 31	0 25	6 33	10 16	0 49
S 21	1 57	10 16	3 8	6 40	0 9	18 11	1 32	26 6	2 39	16 22	0 44	22 7	0 32	23 34	0 20	10 2	1 5	25 11	3 38	0 31	0 24	6 32	10 15	0 49
S 22	2 21	6 4	1 56	7 23	0 16	18 34	1 35	26 3	2 38	16 19	0 44	22 7	0 32	23 34	0 20	10 3	1 5	25 11	3 39	0 31	0 22	6 30	10 14	0 49
M23	2 44	1 26	0 35	8 5	0 23	18 58	1 38	26 0	2 37	16 16	0 44	22 7	0 32	23 34	0 20	10 3	1 5	25 11	3 39	0 31	0 21	6 28	10 12	0 49
T 24	3 8	3s16	0n49	8 47	0 30	19 20	1 42	25 57	2 35	16 13	0 44	22 7	0 32	23 34	0 20	10 4	1 5	25 11	3 39	0 31	0 20	6 26	10 11	0 49
W25	3 32	7 43	2 8	9 28	0 37	19 43	1 45	25 54	2 34	16 9	0 45	22 7	0 32	23 34	0 20	10 4	1 5	25 11	3 39	0 31	0 19	6 25	10 10	0 49
T 26	3 55	11 36	3 17	10 8	0 44	20 4	1 49	25 50	2 33	16 6	0 45	22 7	0 32	23 34	0 20	10 5	1 5	25 11	3 39	0 31	0 17	6 23	10 9	0 49
F 27	4 18	14 42	4 12	10 48	0 51	20 26	1 52	25 46	2 32	16 3	0 45	22 7	0 32	23 34	0 21	10 5	1 5	25 11	3 39	0 30	0 16	6 21	10 8	0 49
S 28	4 42	16 51	4 50	11 27	0 58	20 47	1 55	25 42	2 30	16 0	0 45	22 7	0 32	23 34	0 21	10 6	1 5	25 11	3 40	0 30	0 15	6 19	10 7	0 49
S 29	5 5	18 1	5 12	12 6	1 5	21 7	1 59	25 38	2 29	15 57	0 45	22 7	0 32	23 34	0 21	10 6	1 5	25 11	3 40	0 29	0 14	6 18	10 6	0 49
M30	5s29	18s13	5n17	12s44	1s11	21s27	2s 2	25s33	2s28	15n54	0n45	22s 7	0s32	23n34	0n21	10s 7	1s 5	25n12	3n40	0s29	0s12	6s16	10n 5	0n49

Julian Day Number = 2158140.5, Delta T = 13m29s
Ecliptic obliquity = 23°32'28, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'20, Lahiri = 12°39'21 Julian Calendar 1 Sept. 1196 == Greg. Calendar 8 Sept. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

OCTOBER 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 45	14♎49'03	16♑ 0	1♏46	27♏45	11♑29	19♌10	22♑56	9♋12	6°R38	22♋57	1°D12	0♎28	9♓49	23°R54	T 1
W 2	1 10 42	15°48'47	28°13	3°13	28°54	12° 9	19°20	22°57	9°13	6♓37	22°57	1♎13	0°24	9°56	23♈51	W 2
T 3	1 14 38	16°48'32	10♒13	4°40	0♐ 4	12°50	19°30	22°59	9°13	6°36	22°58	1°14	0°21	10° 2	23°48	T 3
F 4	1 18 35	17°48'19	22° 6	6° 6	1°13	13°31	19°39	23° 0	9°13	6°35	22°58	1°15	0°18	10° 9	23°45	F 4
S 5	1 22 31	18°48'08	3♓54	7°32	2°22	14°12	19°49	23° 1	9°13	6°34	22°58	1°17	0°15	10°16	23°42	S 5
S 6	1 26 28	19°47'59	15°42	8°56	3°32	14°53	19°58	23° 3	9°14	6°33	22°59	1°18	0°12	10°22	23°39	S 6
M 7	1 30 24	20°47'51	27°35	10°20	4°41	15°34	20° 7	23° 5	9°14	6°32	22°59	1°R19	0° 9	10°29	23°36	M 7
T 8	1 34 21	21°47'46	9♈33	11°43	5°50	16°16	20°17	23° 6	9°R14	6°31	22°59	1°18	0° 5	10°36	23°34	T 8
W 9	1 38 18	22°47'42	21°41	13° 5	6°58	16°57	20°26	23° 8	9°14	6°30	22°59	1°17	0° 2	10°42	23°31	W 9
T 10	1 42 14	23°47'40	3♉59	14°26	8° 7	17°39	20°35	23°10	9°14	6°29	23° 0	1°15	29♍59	10°49	23°28	T 10
F 11	1 46 11	24°47'40	16°28	15°46	9°16	18°20	20°43	23°12	9°14	6°28	23° 0	1°11	29°56	10°56	23°25	F 11
S 12	1 50 7	25°47'43	29°10	17° 5	10°24	19° 2	20°52	23°14	9°13	6°27	23° 0	1° 7	29°53	11° 2	23°22	S 12
S 13	1 54 4	26°47'47	12♊ 5	18°23	11°32	19°44	21° 1	23°17	9°13	6°26	23° 0	1° 3	29°50	11° 9	23°19	S 13
M14	1 58 0	27°47'53	25°14	19°40	12°41	20°26	21° 9	23°19	9°13	6°25	23° 0	1° 0	29°46	11°16	23°16	M14
T 15	2 1 57	28°48'02	8♋36	20°55	13°49	21° 8	21°17	23°21	9°12	6°24	23° 0	0°57	29°43	11°22	23°13	T 15
W16	2 5 53	29°48'13	22°14	22° 8	14°57	21°50	21°26	23°24	9°12	6°23	23° 0	0°55	29°40	11°29	23°10	W16
T 17	2 9 50	0♏48'25	6♌ 6	23°20	16° 5	22°32	21°34	23°26	9°12	6°22	23°R 0	0°D55	29°37	11°36	23° 8	T 17
F 18	2 13 47	1°48'40	20°13	24°29	17°12	23°14	21°42	23°29	9°11	6°21	23° 0	0°56	29°34	11°42	23° 5	F 18
S 19	2 17 43	2°48'57	4♍34	25°37	18°20	23°56	21°50	23°32	9°11	6°21	23° 0	0°58	29°30	11°49	23° 2	S 19
S 20	2 21 40	3°49'16	19° 6	26°42	19°27	24°39	21°57	23°35	9°10	6°20	23° 0	0°59	29°27	11°56	22°59	S 20
M21	2 25 36	4°49'37	3♎45	27°44	20°34	25°21	22° 5	23°38	9° 9	6°19	23° 0	1°R 0	29°24	12° 2	22°56	M21
T 22	2 29 33	5°50'00	18°26	28°43	21°41	26° 4	22°12	23°41	9° 9	6°19	23° 0	0°58	29°21	12° 9	22°53	T 22
W23	2 33 29	6°50'25	3♏ 2	29°38	22°48	26°46	22°19	23°44	9° 8	6°18	23° 0	0°55	29°18	12°16	22°50	W23
T 24	2 37 26	7°50'51	17°26	0♐30	23°55	27°29	22°27	23°47	9° 7	6°17	23° 0	0°51	29°15	12°22	22°48	T 24
F 25	2 41 22	8°51'20	1♐33	1°17	25° 2	28°12	22°34	23°51	9° 6	6°17	22°59	0°45	29°11	12°29	22°45	F 25
S 26	2 45 19	9°51'49	15°17	1°59	26° 8	28°55	22°40	23°54	9° 5	6°16	22°59	0°38	29° 8	12°35	22°42	S 26
S 27	2 49 16	10°52'21	28°38	2°36	27°14	29°37	22°47	23°58	9° 4	6°16	22°59	0°32	29° 5	12°42	22°39	S 27
M28	2 53 12	11°52'53	11♑34	3° 7	28°20	0♒20	22°54	24° 1	9° 3	6°15	22°59	0°26	29° 2	12°49	22°37	M28
T 29	2 57 9	12°53'27	24° 7	3°30	29°26	1° 3	23° 0	24° 5	9° 2	6°15	22°58	0°22	28°59	12°55	22°34	T 29
W30	3 1 5	13°54'02	6♒22	3°46	0♑31	1°46	23° 6	24° 9	9° 1	6°15	22°58	0°20	28°56	13° 2	22°31	W30
T 31	3 5 2	14♏54'39	18♒23	3°R53	1♑37	2♒30	23♌13	24♑13	9♋ 0	6♓14	22♋58	0°D20	28♍52	13♓ 9	22♈29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s52	17s30	5n 7	13s21	1s18	21s46	2s 5	25s28	2s26	15n52	0n46	22s 7	0s32	23n34	0n21	10s 7	1s 5	25n12	3n40	0s29	0s11	6s14	10n 4	0n48
W 2	6 15	15 59	4 43	13 58	1 24	22 5	2 8	25 23	2 25	15 49	0 46	22 6	0 32	23 34	0 21	10 7	1 5	25 12	3 40	0 29	0 10	6 12	10 3	0 48
T 3	6 38	13 48	4 7	14 33	1 31	22 23	2 11	25 18	2 24	15 46	0 46	22 6	0 32	23 34	0 21	10 8	1 5	25 12	3 40	0 29	0 9	6 11	10 1	0 48
F 4	7 1	11 2	3 21	15 8	1 37	22 41	2 14	25 13	2 23	15 43	0 46	22 6	0 32	23 34	0 21	10 8	1 5	25 12	3 41	0 30	0 7	6 9	10 0	0 48
S 5	7 24	7 51	2 26	15 42	1 43	22 58	2 17	25 7	2 21	15 40	0 46	22 6	0 32	23 34	0 21	10 9	1 5	25 12	3 41	0 31	0 6	6 7	9 59	0 48
S 6	7 47	4 21	1 25	16 16	1 49	23 14	2 20	25 1	2 20	15 37	0 47	22 6	0 32	23 34	0 21	10 9	1 5	25 12	3 41	0 31	0 5	6 5	9 58	0 48
M 7	8 9	0 39	0 21	16 48	1 55	23 30	2 23	24 55	2 19	15 35	0 47	22 5	0 32	23 34	0 21	10 9	1 5	25 12	3 41	0 31	0 3	6 4	9 57	0 48
T 8	8 32	3n 6	0s45	17 19	2 0	23 45	2 25	24 49	2 17	15 32	0 47	22 5	0 32	23 34	0 21	10 10	1 5	25 12	3 41	0 31	0 2	6 2	9 56	0 48
W 9	8 54	6 47	1 50	17 50	2 6	24 0	2 28	24 43	2 16	15 29	0 47	22 5	0 32	23 34	0 21	10 10	1 5	25 13	3 41	0 31	0 1	6 0	9 55	0 48
T 10	9 16	10 13	2 51	18 19	2 11	24 14	2 31	24 36	2 15	15 26	0 47	22 4	0 32	23 34	0 21	10 11	1 5	25 13	3 42	0 30	0n 0	5 58	9 53	0 48
F 11	9 39	13 15	3 44	18 48	2 16	24 27	2 33	24 29	2 13	15 24	0 48	22 4	0 32	23 34	0 21	10 11	1 5	25 13	3 42	0 29	0 2	5 57	9 52	0 48
S 12	10 1	15 43	4 27	19 15	2 21	24 40	2 36	24 22	2 12	15 21	0 48	22 4	0 32	23 34	0 21	10 11	1 5	25 13	3 42	0 27	0 3	5 55	9 51	0 48
S 13	10 22	17 26	4 57	19 42	2 25	24 52	2 38	24 14	2 11	15 19	0 48	22 3	0 32	23 34	0 21	10 12	1 5	25 13	3 42	0 25	0 4	5 53	9 50	0 48
M14	10 44	18 15	5 12	20 7	2 29	25 4	2 40	24 7	2 9	15 16	0 48	22 3	0 32	23 34	0 21	10 12	1 5	25 13	3 42	0 24	0 5	5 51	9 49	0 47
T 15	11 6	18 5	5 11	20 31	2 33	25 15	2 43	23 59	2 8	15 14	0 48	22 3	0 33	23 34	0 21	10 12	1 5	25 13	3 42	0 23	0 7	5 50	9 48	0 47
W16	11 27	16 53	4 53	20 53	2 36	25 25	2 45	23 51	2 7	15 11	0 49	22 2	0 33	23 34	0 21	10 12	1 5	25 14	3 43	0 22	0 8	5 48	9 46	0 47
T 17	11 48	14 41	4 17	21 14	2 39	25 34	2 47	23 43	2 5	15 9	0 49	22 2	0 33	23 34	0 21	10 13	1 5	25 14	3 43	0 22	0 9	5 46	9 45	0 47
F 18	12 9	11 34	3 25	21 34	2 41	25 43	2 49	23 34	2 4	15 6	0 49	22 1	0 33	23 34	0 21	10 13	1 5	25 14	3 43	0 22	0 11	5 44	9 44	0 47
S 19	12 30	7 43	2 20	21 53	2 43	25 52	2 51	23 25	2 3	15 4	0 49	22 1	0 33	23 34	0 21	10 13	1 5	25 14	3 43	0 23	0 12	5 43	9 43	0 47
S 20	12 51	3 20	1 5	22 10	2 44	25 59	2 52	23 17	2 1	15 2	0 49	22 0	0 33	23 34	0 21	10 14	1 5	25 14	3 43	0 24	0 13	5 41	9 42	0 47
M21	13 11	1s16	0n15	22 25	2 45	26 6	2 54	23 8	2 0	14 59	0 50	22 0	0 33	23 35	0 21	10 14	1 5	25 14	3 43	0 24	0 14	5 39	9 41	0 47
T 22	13 31	5 48	1 34	22 38	2 45	26 12	2 56	22 58	1 59	14 57	0 50	21 59	0 33	23 35	0 21	10 14	1 5	25 15	3 44	0 23	0 16	5 37	9 40	0 47
W23	13 51	9 58	2 46	22 50	2 44	26 17	2 57	22 49	1 57	14 55	0 50	21 59	0 33	23 35	0 21	10 14	1 5	25 15	3 44	0 22	0 17	5 36	9 38	0 47
T 24	14 11	13 29	3 46	23 0	2 43	26 22	2 58	22 39	1 56	14 53	0 50	21 58	0 33	23 35	0 21	10 14	1 5	25 15	3 44	0 20	0 18	5 34	9 37	0 47
F 25	14 31	16 8	4 31	23 7	2 41	26 26	3 0	22 29	1 55	14 51	0 51	21 58	0 33	23 35	0 21	10 15	1 4	25 15	3 44	0 18	0 19	5 32	9 36	0 47
S 26	14 50	17 46	4 59	23 13	2 37	26 30	3 1	22 19	1 53	14 49	0 51	21 57	0 33	23 35	0 21	10 15	1 4	25 15	3 44	0 15	0 21	5 30	9 35	0 46
S 27	15 9	18 22	5 10	23 16	2 33	26 32	3 2	22 9	1 52	14 47	0 51	21 57	0 33	23 35	0 21	10 15	1 4	25 16	3 44	0 13	0 22	5 29	9 34	0 46
M28	15 28	17 59	5 5	23 17	2 28	26 34	3 3	21 58	1 51	14 45	0 51	21 56	0 33	23 35	0 21	10 15	1 4	25 16	3 45	0 10	0 23	5 27	9 33	0 46
T 29	15 46	16 43	4 44	23 15	2 21	26 36	3 3	21 47	1 50	14 43	0 51	21 55	0 33	23 35	0 21	10 15	1 4	25 16	3 45	0 9	0 24	5 25	9 32	0 46
W30	16 5	14 42	4 11	23 10	2 13	26 36	3 4	21 36	1 48	14 41	0 52	21 55	0 33	23 35	0 21	10 15	1 4	25 16	3 45	0 8	0 26	5 23	9 31	0 46
T 31	16s23	12s 5	3n28	23s 2	2s 4	26s36	3s 4	21s25	1s47	14n39	0n52	21s54	0s33	23n35	0n21	10s15	1s 4	25n16	3n45	0s 8	0n27	5s22	9n30	0n46

Julian Day Number = 2158170.5, Delta T = 13m28s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'24, Lahiri = 12°39'25 Julian Calendar 1 Oct. 1196 == Greg. Calendar 8 Oct. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

NOVEMBER 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 8 58	15♏55'16	0♓15	3°R51	2♑42	3♒13	23♌18	24♑17	8°R59	6°R14	22°R57	0♎21	28♍49	13♓15	22°R26	F 1
S 2	3 12 55	16°55'55	12° 3	3♐39	3°47	3°56	23°24	24°21	8♋57	6♓14	22♋57	0°23	28°46	13°22	22♈23	S 2
S 3	3 16 51	17°56'35	23°52	3°17	4°51	4°39	23°30	24°25	8°56	6°13	22°57	0°24	28°43	13°29	22°21	S 3
M 4	3 20 48	18°57'16	5♈47	2°45	5°55	5°23	23°35	24°29	8°55	6°13	22°56	0°R24	28°40	13°35	22°18	M 4
T 5	3 24 44	19°57'59	17°52	2° 1	7° 0	6° 6	23°41	24°33	8°53	6°13	22°56	0°22	28°36	13°42	22°16	T 5
W 6	3 28 41	20°58'42	0♉11	1° 7	8° 3	6°49	23°46	24°38	8°52	6°13	22°55	0°18	28°33	13°49	22°13	W 6
T 7	3 32 38	21°59'27	12°44	0° 4	9° 7	7°33	23°51	24°42	8°50	6°13	22°55	0°12	28°30	13°55	22°11	T 7
F 8	3 36 34	23° 0'13	25°33	28♏53	10°10	8°16	23°56	24°47	8°49	6°12	22°54	0° 3	28°27	14° 2	22° 9	F 8
S 9	3 40 31	24° 1'01	8♊38	27°35	11°13	9° 0	24° 0	24°51	8°47	6°12	22°54	29♍54	28°24	14° 9	22° 6	S 9
S 10	3 44 27	25° 1'50	21°57	26°14	12°15	9°43	24° 5	24°56	8°45	6°D12	22°53	29°44	28°21	14°15	22° 4	S 10
M11	3 48 24	26° 2'40	5♋28	24°51	13°18	10°27	24° 9	25° 1	8°44	6°12	22°52	29°34	28°17	14°22	22° 2	M11
T 12	3 52 20	27° 3'32	19° 9	23°30	14°19	11°11	24°13	25° 5	8°42	6°12	22°52	29°27	28°14	14°29	21°59	T 12
W13	3 56 17	28° 4'25	2♌58	22°13	15°21	11°54	24°17	25°10	8°40	6°12	22°51	29°21	28°11	14°35	21°57	W13
T 14	4 0 14	29° 5'19	16°54	21° 4	16°22	12°38	24°21	25°15	8°39	6°13	22°50	29°19	28° 8	14°42	21°55	T 14
F 15	4 4 10	0♐ 6'15	0♍55	20° 2	17°23	13°22	24°25	25°20	8°37	6°13	22°50	29°D18	28° 5	14°48	21°53	F 15
S 16	4 8 7	1° 7'12	15° 2	19°11	18°23	14° 5	24°28	25°25	8°35	6°13	22°49	29°18	28° 1	14°55	21°51	S 16
S 17	4 12 3	2° 8'10	29°13	18°31	19°23	14°49	24°31	25°31	8°33	6°13	22°48	29°R19	27°58	15° 2	21°49	S 17
M18	4 16 0	3° 9'10	13♎26	18° 3	20°23	15°33	24°34	25°36	8°31	6°13	22°47	29°18	27°55	15° 8	21°47	M18
T 19	4 19 56	4°10'11	27°39	17°46	21°22	16°17	24°37	25°41	8°29	6°14	22°47	29°15	27°52	15°15	21°45	T 19
W20	4 23 53	5°11'13	11♏49	17°D39	22°20	17° 0	24°40	25°47	8°27	6°14	22°46	29° 9	27°49	15°22	21°43	W20
T 21	4 27 49	6°12'16	25°51	17°44	23°18	17°44	24°42	25°52	8°25	6°14	22°45	29° 0	27°46	15°28	21°41	T 21
F 22	4 31 46	7°13'20	9♐41	17°57	24°16	18°28	24°45	25°57	8°23	6°15	22°44	28°49	27°42	15°35	21°39	F 22
S 23	4 35 43	8°14'25	23°14	18°20	25°13	19°12	24°47	26° 3	8°21	6°15	22°43	28°37	27°39	15°42	21°37	S 23
S 24	4 39 39	9°15'30	6♑28	18°50	26°10	19°56	24°49	26° 9	8°19	6°16	22°42	28°25	27°36	15°48	21°35	S 24
M25	4 43 36	10°16'37	19°22	19°28	27° 6	20°40	24°51	26°14	8°16	6°16	22°41	28°14	27°33	15°55	21°34	M25
T 26	4 47 32	11°17'43	1♒55	20°12	28° 1	21°24	24°52	26°20	8°14	6°17	22°40	28° 5	27°30	16° 2	21°32	T 26
W27	4 51 29	12°18'50	14°10	21° 1	28°56	22° 8	24°53	26°26	8°12	6°17	22°39	27°59	27°27	16° 8	21°31	W27
T 28	4 55 25	13°19'58	26°12	21°56	29°51	22°52	24°55	26°32	8°10	6°18	22°38	27°56	27°23	16°15	21°29	T 28
F 29	4 59 22	14°21'05	8♓ 3	22°55	0♒44	23°36	24°56	26°38	8° 7	6°18	22°37	27°54	27°20	16°22	21°27	F 29
S 30	5 3 18	15♐22'13	19♓51	23♏57	1♒37	24♒20	24♌56	26♑44	8♋ 5	6♓19	22♋36	27°D54	27♍17	16♓28	21♈26	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s40	9s 0	2n36	22s51	1s53	26s36	3s 5	21s14	1s46	14n38	0n52	21s53	0s33	23n36	0n21	10s16	1s 4	25n17	3n45	0s 8	0n28	5s20	9n29	0n46
S 2	16 58	5 34	1 38	22 37	1 41	26 34	3 5	21 2	1 44	14 36	0 52	21 53	0 33	23 36	0 21	10 16	1 4	25 17	3 45	0 9	0 30	5 18	9 28	0 46
S 3	17 15	1 54	0 35	22 19	1 27	26 32	3 5	20 51	1 43	14 34	0 53	21 52	0 33	23 36	0 22	10 16	1 4	25 17	3 46	0 10	0 31	5 16	9 26	0 46
M 4	17 32	1n52	0s29	21 57	1 11	26 29	3 5	20 39	1 42	14 33	0 53	21 51	0 33	23 36	0 22	10 16	1 4	25 17	3 46	0 10	0 32	5 14	9 25	0 46
T 5	17 48	5 37	1 33	21 32	0 54	26 26	3 5	20 27	1 40	14 31	0 53	21 51	0 33	23 36	0 22	10 16	1 4	25 18	3 46	0 9	0 33	5 13	9 24	0 45
W 6	18 5	9 11	2 33	21 3	0 36	26 22	3 4	20 15	1 39	14 30	0 53	21 50	0 33	23 36	0 22	10 16	1 4	25 18	3 46	0 7	0 35	5 11	9 23	0 45
T 7	18 21	12 26	3 28	20 31	0 16	26 17	3 4	20 2	1 38	14 28	0 54	21 49	0 33	23 36	0 22	10 16	1 4	25 18	3 46	0 5	0 36	5 9	9 22	0 45
F 8	18 36	15 9	4 12	19 56	0n 4	26 12	3 3	19 50	1 36	14 27	0 54	21 48	0 33	23 36	0 22	10 16	1 4	25 18	3 46	0 1	0 37	5 7	9 21	0 45
S 9	18 51	17 9	4 45	19 18	0 25	26 6	3 3	19 37	1 35	14 26	0 54	21 48	0 33	23 37	0 22	10 16	1 4	25 19	3 46	0n 3	0 38	5 6	9 20	0 45
S 10	19 6	18 16	5 3	18 40	0 45	25 59	3 2	19 24	1 34	14 24	0 54	21 47	0 33	23 37	0 22	10 16	1 4	25 19	3 47	0 7	0 40	5 4	9 19	0 45
M11	19 21	18 22	5 4	18 1	1 5	25 52	3 0	19 11	1 33	14 23	0 55	21 46	0 33	23 37	0 22	10 16	1 4	25 19	3 47	0 10	0 41	5 2	9 18	0 45
T 12	19 35	17 25	4 48	17 23	1 24	25 44	2 59	18 57	1 31	14 22	0 55	21 45	0 33	23 37	0 22	10 16	1 4	25 19	3 47	0 13	0 42	5 0	9 18	0 45
W13	19 49	15 27	4 15	16 47	1 41	25 36	2 58	18 44	1 30	14 21	0 55	21 44	0 33	23 37	0 22	10 16	1 4	25 20	3 47	0 15	0 44	4 59	9 17	0 45
T 14	20 2	12 33	3 27	16 14	1 56	25 27	2 56	18 30	1 29	14 20	0 55	21 43	0 33	23 37	0 22	10 16	1 4	25 20	3 47	0 17	0 45	4 57	9 16	0 45
F 15	20 16	8 55	2 26	15 45	2 9	25 17	2 54	18 17	1 27	14 19	0 56	21 42	0 33	23 37	0 22	10 16	1 4	25 20	3 47	0 17	0 46	4 55	9 15	0 44
S 16	20 28	4 46	1 16	15 21	2 20	25 7	2 52	18 3	1 26	14 18	0 56	21 41	0 33	23 37	0 22	10 16	1 4	25 20	3 48	0 17	0 47	4 53	9 14	0 44
S 17	20 41	0 18	0 1	15 1	2 29	24 56	2 50	17 49	1 25	14 17	0 56	21 41	0 33	23 38	0 22	10 15	1 4	25 21	3 48	0 16	0 49	4 51	9 13	0 44
M18	20 53	4s11	1n15	14 47	2 36	24 45	2 48	17 34	1 24	14 16	0 56	21 40	0 33	23 38	0 22	10 15	1 4	25 21	3 48	0 17	0 50	4 50	9 12	0 44
T 19	21 4	8 26	2 25	14 38	2 41	24 33	2 45	17 20	1 22	14 16	0 57	21 39	0 33	23 38	0 22	10 15	1 4	25 21	3 48	0 18	0 51	4 48	9 11	0 44
W20	21 15	12 11	3 26	14 33	2 43	24 21	2 42	17 6	1 21	14 15	0 57	21 38	0 33	23 38	0 22	10 15	1 4	25 22	3 48	0 20	0 52	4 46	9 11	0 44
T 21	21 26	15 11	4 14	14 33	2 45	24 8	2 39	16 51	1 20	14 14	0 57	21 37	0 34	23 38	0 22	10 15	1 4	25 22	3 48	0 24	0 54	4 44	9 10	0 44
F 22	21 36	17 17	4 46	14 37	2 44	23 55	2 36	16 36	1 19	14 14	0 57	21 36	0 34	23 38	0 22	10 15	1 4	25 22	3 48	0 28	0 55	4 43	9 9	0 44
S 23	21 46	18 22	5 1	14 45	2 43	23 41	2 33	16 21	1 17	14 13	0 58	21 35	0 34	23 39	0 22	10 15	1 4	25 22	3 49	0 33	0 56	4 41	9 8	0 44
S 24	21 56	18 24	4 59	14 56	2 40	23 27	2 29	16 6	1 16	14 13	0 58	21 34	0 34	23 39	0 22	10 14	1 4	25 23	3 49	0 38	0 57	4 39	9 7	0 43
M25	22 5	17 29	4 42	15 10	2 36	23 12	2 25	15 51	1 15	14 13	0 58	21 33	0 34	23 39	0 22	10 14	1 4	25 23	3 49	0 42	0 59	4 37	9 7	0 43
T 26	22 14	15 44	4 12	15 26	2 32	22 57	2 21	15 35	1 14	14 12	0 59	21 32	0 34	23 39	0 22	10 14	1 4	25 23	3 49	0 46	1 0	4 35	9 6	0 43
W27	22 22	13 17	3 30	15 44	2 27	22 42	2 17	15 20	1 12	14 12	0 59	21 30	0 34	23 39	0 22	10 14	1 4	25 24	3 49	0 48	1 1	4 34	9 5	0 43
T 28	22 30	10 20	2 40	16 4	2 21	22 26	2 13	15 4	1 11	14 12	0 59	21 29	0 34	23 39	0 22	10 13	1 4	25 24	3 49	0 50	1 3	4 32	9 5	0 43
F 29	22 37	6 59	1 43	16 24	2 15	22 10	2 8	14 49	1 10	14 12	0 59	21 28	0 34	23 39	0 22	10 13	1 4	25 24	3 49	0 50	1 4	4 30	9 4	0 43
S 30	22s44	3s23	0n43	16s46	2n 8	21s53	2s 3	14s33	1s 9	14n12	1n 0	21s27	0s34	23n40	0n22	10s13	1s 4	25n25	3n50	0n50	1n 5	4s28	9n 3	0n43

Julian Day Number = 2158201.5, Delta T = 13m28s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'28, Lahiri = 12°39'29 Julian Calendar 1 Nov. 1196 == Greg. Calendar 8 Nov. 1196

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ASTRODIENST EPHEMERIS for the year 1196
geocentric

DECEMBER 1196 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 15	16♐23'22	1♈40	25♏ 3	2♒29	25♒ 4	24♌57	26♑50	8°R 3	6♓20	22°R35	27°R54	27♍14	16♓35	21°R25	S 1
M 2	5 11 12	17°24'30	13°36	26°12	3°21	25°48	24°57	26°56	8♋ 0	6°20	22♋34	27♍53	27°11	16°41	21♈23	M 2
T 3	5 15 8	18°25'39	25°45	27°24	4°11	26°32	24°58	27° 2	7°58	6°21	22°33	27°50	27° 7	16°48	21°22	T 3
W 4	5 19 5	19°26'48	8♉ 9	28°38	5° 1	27°16	24°R58	27° 8	7°56	6°22	22°32	27°45	27° 4	16°55	21°21	W 4
T 5	5 23 1	20°27'57	20°54	29°53	5°50	28° 0	24°57	27°14	7°53	6°23	22°31	27°36	27° 1	17° 1	21°20	T 5
F 6	5 26 58	21°29'06	3♊59	1♐11	6°38	28°44	24°57	27°20	7°51	6°24	22°30	27°25	26°58	17° 8	21°19	F 6
S 7	5 30 54	22°30'16	17°25	2°30	7°25	29°28	24°57	27°27	7°48	6°25	22°29	27°13	26°55	17°15	21°17	S 7
S 8	5 34 51	23°31'26	1♋ 9	3°50	8°12	0♓12	24°56	27°33	7°46	6°26	22°28	26°59	26°52	17°21	21°16	S 8
M 9	5 38 47	24°32'36	15° 8	5°12	8°57	0°56	24°55	27°39	7°43	6°27	22°27	26°47	26°48	17°28	21°16	M 9
T 10	5 42 44	25°33'46	29°16	6°35	9°41	1°40	24°54	27°46	7°41	6°28	22°25	26°37	26°45	17°35	21°15	T 10
W11	5 46 41	26°34'57	13♌29	7°58	10°24	2°24	24°52	27°52	7°38	6°29	22°24	26°29	26°42	17°41	21°14	W11
T 12	5 50 37	27°36'07	27°43	9°23	11° 6	3° 8	24°51	27°59	7°36	6°30	22°23	26°25	26°39	17°48	21°13	T 12
F 13	5 54 34	28°37'19	11♍54	10°48	11°47	3°52	24°49	28° 5	7°33	6°31	22°22	26°23	26°36	17°55	21°12	F 13
S 14	5 58 30	29°38'30	26° 1	12°14	12°27	4°36	24°47	28°12	7°30	6°32	22°21	26°22	26°33	18° 1	21°12	S 14
S 15	6 2 27	0♑39'42	10♎ 2	13°41	13° 5	5°20	24°45	28°19	7°28	6°33	22°19	26°22	26°29	18° 8	21°11	S 15
M16	6 6 23	1°40'54	23°59	15° 9	13°43	6° 4	24°43	28°25	7°25	6°34	22°18	26°21	26°26	18°15	21°10	M16
T 17	6 10 20	2°42'06	7♏49	16°37	14°18	6°47	24°40	28°32	7°23	6°35	22°17	26°17	26°23	18°21	21°10	T 17
W18	6 14 16	3°43'19	21°33	18° 5	14°53	7°31	24°37	28°39	7°20	6°37	22°16	26°11	26°20	18°28	21°10	W18
T 19	6 18 13	4°44'31	5♐ 8	19°34	15°26	8°15	24°35	28°46	7°18	6°38	22°14	26° 1	26°17	18°34	21° 9	T 19
F 20	6 22 10	5°45'44	18°32	21° 4	15°57	8°59	24°32	28°52	7°15	6°39	22°13	25°49	26°13	18°41	21° 9	F 20
S 21	6 26 6	6°46'56	1♑45	22°34	16°27	9°43	24°28	28°59	7°12	6°40	22°12	25°35	26°10	18°48	21° 9	S 21
S 22	6 30 3	7°48'08	14°42	24° 5	16°55	10°27	24°25	29° 6	7°10	6°42	22°10	25°22	26° 7	18°54	21° 8	S 22
M23	6 33 59	8°49'20	27°24	25°36	17°22	11°11	24°21	29°13	7° 7	6°43	22° 9	25° 9	26° 4	19° 1	21° 8	M23
T 24	6 37 56	9°50'31	9♒50	27° 8	17°46	11°55	24°17	29°20	7° 5	6°45	22° 8	24°59	26° 1	19° 8	21° 8	T 24
W25	6 41 52	10°51'42	22° 1	28°40	18° 9	12°39	24°13	29°27	7° 2	6°46	22° 6	24°52	25°58	19°14	21°D 8	W25
T 26	6 45 49	11°52'52	4♓ 1	0♑12	18°30	13°23	24° 9	29°34	6°59	6°48	22° 5	24°47	25°54	19°21	21° 8	T 26
F 27	6 49 45	12°54'01	15°51	1°45	18°49	14° 6	24° 5	29°41	6°57	6°49	22° 4	24°45	25°51	19°28	21° 8	F 27
S 28	6 53 42	13°55'09	27°38	3°19	19° 6	14°50	24° 0	29°48	6°54	6°51	22° 2	24°D45	25°48	19°34	21° 9	S 28
S 29	6 57 39	14°56'17	9♈26	4°53	19°21	15°34	23°56	29°55	6°52	6°52	22° 1	24°R45	25°45	19°41	21° 9	S 29
M30	7 1 35	15°57'24	21°21	6°28	19°34	16°18	23°51	0♒ 2	6°49	6°54	22° 0	24°45	25°42	19°48	21° 9	M30
T 31	7 5 32	16♑58'30	3♉29	8♑ 3	19♒44	17♓ 2	23♌46	0♒ 9	6♋46	6♓55	21♋58	24♍44	25♍39	19♓54	21♈ 9	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s51	0n22	0s20	17s 9	2n 1	21s36	1s58	14s17	1s 8	14n12	1n 0	21s26	0s34	23n40	0n22	10s13	1s 4	25n25	3n50	0n50	1n 6	4s26	9n 3	0n43
M 2	22 57	4 8	1 22	17 33	1 54	21 19	1 53	14 1	1 6	14 12	1 0	21 25	0 34	23 40	0 22	10 12	1 3	25 25	3 50	0 51	1 8	4 25	9 2	0 43
T 3	23 2	7 47	2 22	17 56	1 46	21 2	1 47	13 45	1 5	14 12	1 0	21 24	0 34	23 40	0 22	10 12	1 3	25 25	3 50	0 52	1 9	4 23	9 1	0 42
W 4	23 7	11 12	3 16	18 20	1 39	20 44	1 41	13 28	1 4	14 13	1 1	21 23	0 34	23 40	0 22	10 12	1 3	25 26	3 50	0 54	1 10	4 21	9 1	0 42
T 5	23 12	14 10	4 2	18 44	1 31	20 26	1 35	13 12	1 3	14 13	1 1	21 21	0 34	23 40	0 22	10 11	1 3	25 26	3 50	0 57	1 11	4 19	9 0	0 42
F 6	23 16	16 31	4 36	19 8	1 23	20 8	1 29	12 56	1 2	14 13	1 1	21 20	0 34	23 41	0 22	10 11	1 3	25 26	3 50	1 2	1 13	4 17	9 0	0 42
S 7	23 20	18 2	4 56	19 31	1 15	19 49	1 22	12 39	1 0	14 14	1 1	21 19	0 34	23 41	0 22	10 11	1 3	25 27	3 50	1 7	1 14	4 16	8 59	0 42
S 8	23 23	18 33	4 59	19 55	1 7	19 30	1 15	12 22	0 59	14 14	1 2	21 18	0 34	23 41	0 22	10 10	1 3	25 27	3 51	1 12	1 15	4 14	8 59	0 42
M 9	23 26	17 57	4 45	20 17	0 59	19 12	1 8	12 6	0 58	14 15	1 2	21 17	0 34	23 41	0 22	10 10	1 3	25 27	3 51	1 17	1 16	4 12	8 58	0 42
T 10	23 28	16 15	4 14	20 40	0 51	18 53	1 1	11 49	0 57	14 15	1 2	21 15	0 34	23 41	0 22	10 10	1 3	25 28	3 51	1 21	1 18	4 10	8 58	0 42
W11	23 30	13 33	3 26	21 1	0 43	18 34	0 53	11 32	0 56	14 16	1 3	21 14	0 34	23 41	0 22	10 9	1 3	25 28	3 51	1 24	1 19	4 8	8 57	0 42
T 12	23 31	10 3	2 25	21 22	0 35	18 14	0 45	11 15	0 54	14 17	1 3	21 13	0 34	23 42	0 22	10 9	1 3	25 28	3 51	1 26	1 20	4 7	8 57	0 41
F 13	23 32	5 58	1 16	21 42	0 28	17 55	0 37	10 58	0 53	14 18	1 3	21 12	0 34	23 42	0 22	10 8	1 3	25 29	3 51	1 27	1 22	4 5	8 57	0 41
S 14	23 32	1 34	0 2	22 2	0 20	17 36	0 28	10 41	0 52	14 19	1 3	21 10	0 34	23 42	0 22	10 8	1 3	25 29	3 51	1 27	1 23	4 3	8 56	0 41
S 15	23 32	2s54	1n12	22 20	0 12	17 16	0 20	10 23	0 51	14 20	1 4	21 9	0 34	23 42	0 22	10 7	1 3	25 29	3 51	1 27	1 24	4 1	8 56	0 41
M16	23 32	7 10	2 20	22 38	0 5	16 57	0 10	10 6	0 50	14 21	1 4	21 8	0 35	23 42	0 22	10 7	1 3	25 30	3 52	1 27	1 25	4 0	8 56	0 41
T 17	23 31	11 1	3 20	22 55	0s 3	16 38	0 1	9 49	0 49	14 22	1 4	21 6	0 35	23 42	0 22	10 6	1 3	25 30	3 52	1 29	1 27	3 58	8 55	0 41
W18	23 29	14 14	4 8	23 10	0 10	16 18	0n 9	9 31	0 48	14 23	1 4	21 5	0 35	23 43	0 22	10 6	1 3	25 30	3 52	1 32	1 28	3 56	8 55	0 41
T 19	23 27	16 38	4 41	23 25	0 17	15 59	0 19	9 14	0 47	14 24	1 5	21 4	0 35	23 43	0 22	10 5	1 3	25 30	3 52	1 35	1 29	3 54	8 55	0 41
F 20	23 25	18 6	4 58	23 38	0 24	15 40	0 29	8 56	0 45	14 25	1 5	21 2	0 35	23 43	0 22	10 5	1 3	25 31	3 52	1 40	1 30	3 52	8 55	0 41
S 21	23 22	18 33	4 59	23 51	0 31	15 21	0 40	8 38	0 44	14 27	1 5	21 1	0 35	23 43	0 22	10 4	1 3	25 31	3 52	1 46	1 32	3 51	8 54	0 40
S 22	23 19	18 1	4 44	24 2	0 38	15 2	0 50	8 21	0 43	14 28	1 5	21 0	0 35	23 43	0 22	10 4	1 3	25 31	3 52	1 51	1 33	3 49	8 54	0 40
M23	23 15	16 36	4 15	24 12	0 44	14 43	1 2	8 3	0 42	14 30	1 6	20 58	0 35	23 43	0 22	10 3	1 3	25 32	3 52	1 56	1 34	3 47	8 54	0 40
T 24	23 10	14 25	3 34	24 21	0 50	14 24	1 13	7 45	0 41	14 31	1 6	20 57	0 35	23 43	0 22	10 3	1 3	25 32	3 52	2 0	1 35	3 45	8 54	0 40
W25	23 6	11 38	2 45	24 29	0 56	14 6	1 25	7 27	0 40	14 33	1 6	20 55	0 35	23 44	0 22	10 2	1 3	25 32	3 52	2 3	1 37	3 43	8 54	0 40
T 26	23 0	8 24	1 48	24 35	1 2	13 48	1 37	7 10	0 39	14 34	1 6	20 54	0 35	23 44	0 22	10 2	1 3	25 33	3 53	2 5	1 38	3 41	8 54	0 40
F 27	22 55	4 53	0 47	24 40	1 8	13 31	1 50	6 52	0 38	14 36	1 7	20 53	0 35	23 44	0 22	10 1	1 3	25 33	3 53	2 6	1 39	3 40	8 54	0 40
S 28	22 49	1 11	0s15	24 44	1 14	13 13	2 2	6 34	0 37	14 38	1 7	20 51	0 35	23 44	0 22	10 1	1 3	25 33	3 53	2 6	1 41	3 38	8 54	0 40
S 29	22 42	2n34	1 18	24 46	1 19	12 56	2 15	6 16	0 36	14 39	1 7	20 50	0 35	23 44	0 22	10 0	1 3	25 34	3 53	2 6	1 42	3 36	8 54	0 40
M30	22 35	6 15	2 17	24 47	1 24	12 40	2 28	5 58	0 35	14 41	1 7	20 48	0 35	23 44	0 22	9 59	1 3	25 34	3 53	2 6	1 43	3 34	8 54	0 39
T 31	22s27	9n44	3s11	24s46	1s29	12s24	2n42	5s40	0s34	14n43	1n 8	20s47	0s35	23n44	0n22	9s59	1s 3	25n34	3n53	2n 6	1n44	3s32	8n54	0n39

Julian Day Number = 2158231.5, Delta T = 13m28s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'33, Lahiri = 12°39'33 Julian Calendar 1 Dec. 1196 == Greg. Calendar 8 Dec. 1196

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

JANUARY 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 9 28	17♉59'35	15♉53	9♉38	19♒53	17♓45	23°R41	0♒16	6°R44	6♓57	21°R57	24°R40	25♍35	20♓ 1	21♈10	W 1
T 2	7 13 25	19° 0'39	28°40	11°14	19°58	18°29	23♏35	0°23	6♋41	6°59	21♋56	24♍34	25°32	20° 8	21°10	T 2
F 3	7 17 21	20° 1'42	11♊52	12°51	20° 2	19°13	23°30	0°30	6°39	7° 0	21°54	24°25	25°29	20°14	21°11	F 3
S 4	7 21 18	21° 2'44	25°29	14°29	20°R 3	19°56	23°24	0°37	6°36	7° 2	21°53	24°15	25°26	20°21	21°11	S 4
S 5	7 25 14	22° 3'45	9♋30	16° 7	20° 1	20°40	23°19	0°45	6°34	7° 4	21°52	24° 5	25°23	20°27	21°12	S 5
M 6	7 29 11	23° 4'46	23°51	17°45	19°57	21°24	23°13	0°52	6°31	7° 5	21°50	23°54	25°19	20°34	21°13	M 6
T 7	7 33 8	24° 5'45	8♌25	19°24	19°51	22° 7	23° 7	0°59	6°29	7° 7	21°49	23°46	25°16	20°41	21°14	T 7
W 8	7 37 4	25° 6'44	23° 6	21° 4	19°41	22°51	23° 1	1° 6	6°27	7° 9	21°48	23°40	25°13	20°47	21°14	W 8
T 9	7 41 1	26° 7'41	7♍46	22°45	19°30	23°34	22°54	1°13	6°24	7°11	21°46	23°36	25°10	20°54	21°15	T 9
F 10	7 44 57	27° 8'38	22°20	24°26	19°16	24°18	22°48	1°20	6°22	7°13	21°45	23°D35	25° 7	21° 1	21°16	F 10
S 11	7 48 54	28° 9'34	6♎42	26° 8	18°59	25° 1	22°41	1°28	6°19	7°14	21°44	23°36	25° 4	21° 7	21°17	S 11
S 12	7 52 50	29°10'30	20°51	27°50	18°40	25°45	22°35	1°35	6°17	7°16	21°42	23°37	25° 0	21°14	21°18	S 12
M13	7 56 47	0♒11'24	4♏45	29°33	18°19	26°28	22°28	1°42	6°15	7°18	21°41	23°R37	24°57	21°21	21°19	M13
T 14	8 0 43	1°12'18	18°25	1♒17	17°55	27°12	22°21	1°49	6°12	7°20	21°40	23°35	24°54	21°27	21°20	T 14
W15	8 4 40	2°13'11	1♐52	3° 2	17°29	27°55	22°14	1°56	6°10	7°22	21°38	23°32	24°51	21°34	21°22	W15
T 16	8 8 37	3°14'03	15° 6	4°47	17° 1	28°38	22° 7	2° 4	6° 8	7°24	21°37	23°26	24°48	21°41	21°23	T 16
F 17	8 12 33	4°14'55	28° 7	6°33	16°32	29°22	22° 0	2°11	6° 6	7°26	21°36	23°18	24°45	21°47	21°24	F 17
S 18	8 16 30	5°15'45	10♑56	8°20	16° 0	0♈ 5	21°53	2°18	6° 3	7°28	21°34	23° 9	24°41	21°54	21°26	S 18
S 19	8 20 26	6°16'33	23°33	10° 7	15°27	0°48	21°45	2°25	6° 1	7°30	21°33	22°59	24°38	22° 1	21°27	S 19
M20	8 24 23	7°17'21	5♒58	11°55	14°53	1°32	21°38	2°33	5°59	7°32	21°32	22°51	24°35	22° 7	21°29	M20
T 21	8 28 19	8°18'07	18°11	13°44	14°18	2°15	21°30	2°40	5°57	7°34	21°30	22°44	24°32	22°14	21°30	T 21
W22	8 32 16	9°18'52	0♓15	15°33	13°42	2°58	21°23	2°47	5°55	7°36	21°29	22°39	24°29	22°20	21°32	W22
T 23	8 36 12	10°19'35	12° 9	17°22	13° 5	3°41	21°15	2°54	5°53	7°38	21°28	22°37	24°25	22°27	21°33	T 23
F 24	8 40 9	11°20'17	23°58	19°11	12°28	4°24	21° 7	3° 1	5°51	7°40	21°27	22°D36	24°22	22°34	21°35	F 24
S 25	8 44 6	12°20'57	5♈44	21° 1	11°50	5° 7	21° 0	3° 8	5°49	7°42	21°25	22°37	24°19	22°40	21°37	S 25
S 26	8 48 2	13°21'36	17°32	22°51	11°13	5°50	20°52	3°16	5°47	7°44	21°24	22°38	24°16	22°47	21°39	S 26
M27	8 51 59	14°22'12	29°26	24°40	10°36	6°33	20°44	3°23	5°45	7°46	21°23	22°40	24°13	22°54	21°41	M27
T 28	8 55 55	15°22'47	11♉31	26°29	10° 0	7°16	20°36	3°30	5°43	7°49	21°22	22°R41	24°10	23° 0	21°42	T 28
W29	8 59 52	16°23'20	23°53	28°18	9°24	7°59	20°28	3°37	5°42	7°51	21°20	22°41	24° 6	23° 7	21°44	W29
T 30	9 3 48	17°23'51	6♊36	0♓ 5	8°50	8°42	20°21	3°44	5°40	7°53	21°19	22°39	24° 3	23°14	21°46	T 30
F 31	9 7 45	18♒24'21	19♊44	1♓51	8♒17	9♈25	20♏13	3♒51	5♋38	7♓55	21♋18	22♍36	24♍ 0	23♓20	21♈49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s20	12n52	3s58	24s44	1s33	12s 8	2n56	5s21	0s33	14n45	1n 8	20s45	0s35	23n45	0n22	9s58	1s 3	25n34	3n53	2n 8	1n46	3s31	8n54	0n39
T 2	22 11	15 30	4 34	24 41	1 37	11 53	3 10	5 3	0 32	14 47	1 8	20 44	0 35	23 45	0 22	9 57	1 3	25 35	3 53	2 10	1 47	3 29	8 54	0 39
F 3	22 2	17 24	4 57	24 36	1 41	11 39	3 24	4 45	0 30	14 49	1 8	20 42	0 36	23 45	0 22	9 57	1 3	25 35	3 53	2 13	1 48	3 27	8 54	0 39
S 4	21 53	18 24	5 4	24 30	1 45	11 25	3 38	4 27	0 29	14 51	1 9	20 41	0 36	23 45	0 22	9 56	1 3	25 35	3 53	2 17	1 49	3 25	8 54	0 39
S 5	21 44	18 20	4 53	24 22	1 49	11 11	3 52	4 9	0 28	14 53	1 9	20 39	0 36	23 45	0 22	9 56	1 3	25 36	3 53	2 22	1 51	3 23	8 54	0 39
M 6	21 33	17 6	4 24	24 12	1 52	10 59	4 7	3 51	0 27	14 55	1 9	20 38	0 36	23 45	0 22	9 55	1 3	25 36	3 53	2 26	1 52	3 22	8 54	0 39
T 7	21 23	14 44	3 37	24 1	1 54	10 47	4 22	3 33	0 26	14 58	1 9	20 36	0 36	23 45	0 22	9 54	1 3	25 36	3 53	2 29	1 53	3 20	8 55	0 39
W 8	21 12	11 25	2 36	23 48	1 57	10 36	4 36	3 14	0 25	15 0	1 9	20 35	0 36	23 45	0 22	9 54	1 3	25 37	3 54	2 32	1 54	3 18	8 55	0 38
T 9	21 1	7 24	1 24	23 34	1 59	10 26	4 51	2 56	0 24	15 2	1 10	20 33	0 36	23 46	0 22	9 53	1 3	25 37	3 54	2 33	1 56	3 16	8 55	0 38
F 10	20 49	2 57	0 7	23 18	2 1	10 16	5 6	2 38	0 23	15 4	1 10	20 32	0 36	23 46	0 22	9 52	1 3	25 37	3 54	2 33	1 57	3 14	8 55	0 38
S 11	20 37	1s36	1n10	23 1	2 2	10 7	5 20	2 20	0 22	15 7	1 10	20 30	0 36	23 46	0 22	9 51	1 3	25 37	3 54	2 33	1 58	3 13	8 55	0 38
S 12	20 25	6 0	2 21	22 42	2 3	9 59	5 34	2 2	0 21	15 9	1 10	20 29	0 36	23 46	0 22	9 51	1 3	25 38	3 54	2 33	2 0	3 11	8 56	0 38
M13	20 12	9 59	3 23	22 21	2 4	9 52	5 49	1 43	0 21	15 12	1 10	20 27	0 36	23 46	0 22	9 50	1 3	25 38	3 54	2 33	2 1	3 9	8 56	0 38
T 14	19 59	13 21	4 12	21 58	2 4	9 46	6 2	1 25	0 20	15 14	1 11	20 26	0 36	23 46	0 22	9 49	1 3	25 38	3 54	2 33	2 2	3 7	8 56	0 38
W15	19 45	15 57	4 46	21 34	2 4	9 41	6 16	1 7	0 19	15 17	1 11	20 24	0 36	23 46	0 22	9 49	1 3	25 39	3 54	2 35	2 3	3 5	8 57	0 38
T 16	19 31	17 40	5 4	21 8	2 3	9 37	6 29	0 49	0 18	15 19	1 11	20 23	0 36	23 46	0 22	9 48	1 3	25 39	3 54	2 37	2 5	3 3	8 57	0 38
F 17	19 17	18 26	5 6	20 40	2 2	9 33	6 42	0 31	0 17	15 21	1 11	20 21	0 36	23 46	0 22	9 47	1 3	25 39	3 54	2 40	2 6	3 2	8 58	0 37
S 18	19 2	18 14	4 53	20 11	2 0	9 31	6 54	0 12	0 16	15 24	1 11	20 19	0 37	23 47	0 22	9 46	1 3	25 39	3 54	2 44	2 7	3 0	8 58	0 37
S 19	18 47	17 7	4 25	19 40	1 58	9 30	7 5	0n 6	0 15	15 27	1 12	20 18	0 37	23 47	0 22	9 46	1 3	25 40	3 54	2 48	2 8	2 58	8 58	0 37
M20	18 32	15 13	3 45	19 7	1 55	9 29	7 16	0 24	0 14	15 29	1 12	20 16	0 37	23 47	0 22	9 45	1 3	25 40	3 54	2 51	2 10	2 56	8 59	0 37
T 21	18 16	12 39	2 56	18 33	1 51	9 29	7 26	0 42	0 13	15 32	1 12	20 15	0 37	23 47	0 22	9 44	1 3	25 40	3 54	2 54	2 11	2 54	8 59	0 37
W22	18 0	9 35	1 58	17 57	1 48	9 30	7 35	1 0	0 12	15 34	1 12	20 13	0 37	23 47	0 22	9 43	1 3	25 40	3 54	2 56	2 12	2 52	9 0	0 37
T 23	17 44	6 10	0 57	17 20	1 43	9 32	7 44	1 18	0 11	15 37	1 12	20 12	0 37	23 47	0 22	9 42	1 3	25 41	3 54	2 57	2 13	2 51	9 0	0 37
F 24	17 27	2 31	0s 7	16 41	1 38	9 35	7 52	1 36	0 10	15 40	1 12	20 10	0 37	23 47	0 22	9 42	1 3	25 41	3 54	2 57	2 15	2 49	9 1	0 37
S 25	17 10	1n12	1 11	16 0	1 32	9 39	7 58	1 54	0 9	15 42	1 12	20 8	0 37	23 47	0 22	9 41	1 2	25 41	3 54	2 57	2 16	2 47	9 2	0 37
S 26	16 53	4 53	2 12	15 18	1 26	9 43	8 4	2 12	0 9	15 45	1 13	20 7	0 37	23 47	0 22	9 40	1 2	25 41	3 54	2 56	2 17	2 45	9 2	0 36
M27	16 35	8 24	3 7	14 35	1 19	9 48	8 9	2 30	0 8	15 47	1 13	20 5	0 37	23 47	0 22	9 39	1 2	25 41	3 54	2 55	2 18	2 43	9 3	0 36
T 28	16 18	11 37	3 56	13 51	1 11	9 54	8 13	2 48	0 7	15 50	1 13	20 4	0 37	23 47	0 22	9 39	1 2	25 42	3 54	2 55	2 20	2 42	9 3	0 36
W29	15 59	14 23	4 34	13 5	1 2	10 0	8 16	3 5	0 6	15 53	1 13	20 2	0 37	23 48	0 22	9 38	1 2	25 42	3 55	2 55	2 21	2 40	9 4	0 36
T 30	15 41	16 34	5 1	12 19	0 53	10 6	8 18	3 23	0 5	15 55	1 13	20 0	0 37	23 48	0 22	9 37	1 2	25 42	3 55	2 56	2 22	2 38	9 5	0 36
F 31	15s23	17n57	5s12	11s32	0s43	10s14	8n19	3n41	0s 4	15n58	1n13	19s59	0s38	23n48	0n22	9s36	1s 2	25n42	3n55	2n57	2n24	2s36	9n 5	0n36

Julian Day Number = 2158262.5, Delta T = 13m28s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'37, Lahiri = 12°39'37 Julian Calendar 1 Jan. 1197 == Greg. Calendar 8 Jan. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

FEBRUARY 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 41	19♒24'48	3♋19	3♓36	7°R46	10♈ 8	20°R 5	3♒58	5°R36	7♓57	21°R17	22°R31	23♍57	23♓27	21♈51	S 1
S 2	9 15 38	20°25'14	17°23	5°18	7♒16	10°51	19♌57	4° 5	5♋35	7°59	21♋16	22♍26	23°54	23°34	21°53	S 2
M 3	9 19 35	21°25'38	1♌51	6°58	6°48	11°34	19°49	4°12	5°33	8° 2	21°15	22°22	23°51	23°40	21°55	M 3
T 4	9 23 31	22°26'00	16°39	8°34	6°22	12°16	19°41	4°19	5°32	8° 4	21°13	22°17	23°47	23°47	21°57	T 4
W 5	9 27 28	23°26'20	1♍40	10° 7	5°59	12°59	19°33	4°26	5°30	8° 6	21°12	22°15	23°44	23°53	22° 0	W 5
T 6	9 31 24	24°26'38	16°43	11°35	5°37	13°42	19°25	4°33	5°29	8° 8	21°11	22°D13	23°41	24° 0	22° 2	T 6
F 7	9 35 21	25°26'55	1♎41	12°59	5°18	14°24	19°17	4°40	5°27	8°10	21°10	22°14	23°38	24° 7	22° 4	F 7
S 8	9 39 17	26°27'10	16°26	14°17	5° 1	15° 7	19°10	4°47	5°26	8°13	21° 9	22°15	23°35	24°13	22° 7	S 8
S 9	9 43 14	27°27'24	0♏53	15°29	4°47	15°50	19° 2	4°54	5°25	8°15	21° 8	22°16	23°31	24°20	22° 9	S 9
M10	9 47 10	28°27'36	14°59	16°34	4°35	16°32	18°54	5° 0	5°23	8°17	21° 7	22°17	23°28	24°27	22°12	M10
T 11	9 51 7	29°27'47	28°43	17°32	4°26	17°15	18°46	5° 7	5°22	8°19	21° 6	22°R18	23°25	24°33	22°14	T 11
W12	9 55 4	0♓27'56	12♐ 6	18°22	4°19	17°57	18°39	5°14	5°21	8°22	21° 5	22°18	23°22	24°40	22°17	W12
T 13	9 59 0	1°28'04	25°10	19° 3	4°15	18°40	18°31	5°21	5°20	8°24	21° 4	22°16	23°19	24°47	22°20	T 13
F 14	10 2 57	2°28'10	7♑57	19°36	4°D13	19°22	18°24	5°28	5°19	8°26	21° 3	22°14	23°16	24°53	22°22	F 14
S 15	10 6 53	3°28'14	20°29	20° 1	4°14	20° 4	18°16	5°34	5°18	8°28	21° 2	22°11	23°12	25° 0	22°25	S 15
S 16	10 10 50	4°28'16	2♒49	20°16	4°17	20°47	18° 9	5°41	5°17	8°31	21° 1	22° 8	23° 9	25° 7	22°28	S 16
M17	10 14 46	5°28'17	14°58	20°R22	4°22	21°29	18° 2	5°47	5°16	8°33	21° 0	22° 5	23° 6	25°13	22°31	M17
T 18	10 18 43	6°28'16	26°59	20°18	4°30	22°11	17°54	5°54	5°15	8°35	20°59	22° 3	23° 3	25°20	22°33	T 18
W19	10 22 39	7°28'13	8♓53	20° 7	4°40	22°53	17°47	6° 1	5°14	8°38	20°58	22° 2	23° 0	25°26	22°36	W19
T 20	10 26 36	8°28'08	20°42	19°46	4°52	23°36	17°40	6° 7	5°13	8°40	20°57	22°D 1	22°56	25°33	22°39	T 20
F 21	10 30 33	9°28'01	2♈29	19°18	5° 6	24°18	17°33	6°13	5°12	8°42	20°57	22° 2	22°53	25°40	22°42	F 21
S 22	10 34 29	10°27'51	14°16	18°43	5°22	25° 0	17°27	6°20	5°12	8°44	20°56	22° 2	22°50	25°46	22°45	S 22
S 23	10 38 26	11°27'40	26° 6	18° 1	5°40	25°42	17°20	6°26	5°11	8°47	20°55	22° 4	22°47	25°53	22°48	S 23
M24	10 42 22	12°27'26	8♉ 3	17°15	6° 0	26°24	17°13	6°33	5°10	8°49	20°54	22° 5	22°44	26° 0	22°51	M24
T 25	10 46 19	13°27'11	20° 9	16°24	6°22	27° 6	17° 7	6°39	5°10	8°51	20°53	22° 5	22°41	26° 6	22°54	T 25
W26	10 50 15	14°26'52	2♊30	15°30	6°46	27°48	17° 0	6°45	5° 9	8°53	20°53	22° 6	22°37	26°13	22°58	W26
T 27	10 54 12	15°26'32	15° 9	14°35	7°11	28°30	16°54	6°51	5° 9	8°56	20°52	22°R 6	22°34	26°20	23° 1	T 27
F 28	10 58 8	16♓26'10	28♊11	13♓39	7♒38	29♈12	16♌48	6♒57	5♋ 9	8♓58	20♋51	22♍ 6	22♍31	26♓26	23♈ 4	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 4	18n23	5s 7	10s44	0s33	10s21	8n19	3n59	0s 3	16n 1	1n13	19s57	0s38	23n48	0n22	9s35	1s 2	25n43	3n55	2n59	2n25	2s34	9n 6	0n36
S 2	14 45	17 43	4 44	9 56	0 21	10 29	8 19	4 16	0 3	16 3	1 13	19 56	0 38	23 48	0 22	9 34	1 2	25 43	3 55	3 1	2 26	2 32	9 7	0 36
M 3	14 25	15 54	4 2	9 9	0 10	10 37	8 17	4 34	0 2	16 6	1 13	19 54	0 38	23 48	0 22	9 34	1 2	25 43	3 55	3 3	2 27	2 31	9 7	0 36
T 4	14 6	13 0	3 3	8 21	0n 3	10 46	8 15	4 51	0 1	16 8	1 14	19 52	0 38	23 48	0 22	9 33	1 2	25 43	3 55	3 4	2 29	2 29	9 8	0 36
W 5	13 46	9 12	1 51	7 34	0 16	10 54	8 12	5 9	0 0	16 11	1 14	19 51	0 38	23 48	0 22	9 32	1 2	25 43	3 55	3 5	2 30	2 27	9 9	0 35
T 6	13 26	4 48	0 30	6 48	0 30	11 3	8 8	5 26	0n 1	16 13	1 14	19 49	0 38	23 48	0 22	9 31	1 2	25 44	3 55	3 6	2 31	2 25	9 10	0 35
F 7	13 6	0 7	0n52	6 3	0 44	11 12	8 4	5 44	0 2	16 16	1 14	19 48	0 38	23 48	0 22	9 30	1 2	25 44	3 55	3 6	2 32	2 23	9 11	0 35
S 8	12 45	4s30	2 9	5 19	0 58	11 20	7 59	6 1	0 2	16 18	1 14	19 46	0 38	23 48	0 22	9 29	1 2	25 44	3 55	3 5	2 34	2 21	9 11	0 35
S 9	12 24	8 45	3 17	4 38	1 13	11 29	7 53	6 18	0 3	16 21	1 14	19 45	0 38	23 48	0 22	9 29	1 2	25 44	3 55	3 5	2 35	2 20	9 12	0 35
M10	12 4	12 24	4 11	3 59	1 27	11 38	7 47	6 35	0 4	16 23	1 14	19 43	0 38	23 48	0 22	9 28	1 2	25 44	3 55	3 4	2 36	2 18	9 13	0 35
T 11	11 43	15 15	4 49	3 23	1 42	11 46	7 40	6 52	0 5	16 26	1 14	19 41	0 39	23 48	0 22	9 27	1 2	25 44	3 55	3 4	2 37	2 16	9 14	0 35
W12	11 21	17 12	5 11	2 50	1 57	11 55	7 33	7 9	0 6	16 28	1 14	19 40	0 39	23 48	0 22	9 26	1 2	25 45	3 55	3 4	2 39	2 14	9 15	0 35
T 13	11 0	18 12	5 15	2 21	2 11	12 3	7 26	7 26	0 6	16 31	1 14	19 38	0 39	23 48	0 22	9 25	1 2	25 45	3 55	3 5	2 40	2 12	9 16	0 35
F 14	10 38	18 15	5 4	1 55	2 25	12 11	7 18	7 43	0 7	16 33	1 14	19 37	0 39	23 48	0 22	9 24	1 2	25 45	3 55	3 6	2 41	2 10	9 17	0 35
S 15	10 17	17 23	4 38	1 33	2 38	12 19	7 10	8 0	0 8	16 35	1 14	19 35	0 39	23 48	0 22	9 24	1 2	25 45	3 55	3 7	2 42	2 9	9 18	0 34
S 16	9 55	15 43	4 0	1 16	2 50	12 26	7 1	8 17	0 9	16 38	1 14	19 34	0 39	23 48	0 22	9 23	1 2	25 45	3 55	3 8	2 44	2 7	9 19	0 34
M17	9 33	13 22	3 11	1 3	3 2	12 34	6 53	8 33	0 9	16 40	1 14	19 32	0 39	23 48	0 22	9 22	1 2	25 45	3 55	3 9	2 45	2 5	9 19	0 34
T 18	9 10	10 28	2 14	0 55	3 12	12 41	6 44	8 50	0 10	16 42	1 14	19 31	0 39	23 48	0 22	9 21	1 3	25 46	3 55	3 10	2 46	2 3	9 20	0 34
W19	8 48	7 9	1 12	0 51	3 21	12 47	6 35	9 6	0 11	16 44	1 14	19 29	0 39	23 49	0 22	9 20	1 3	25 46	3 55	3 10	2 48	2 1	9 21	0 34
T 20	8 26	3 35	0 7	0 52	3 28	12 53	6 26	9 23	0 12	16 47	1 14	19 28	0 39	23 49	0 22	9 19	1 3	25 46	3 55	3 11	2 49	1 59	9 22	0 34
F 21	8 3	0n 7	0s58	0 58	3 34	12 59	6 16	9 39	0 12	16 49	1 14	19 26	0 40	23 49	0 22	9 18	1 3	25 46	3 55	3 11	2 50	1 58	9 23	0 34
S 22	7 41	3 48	2 0	1 8	3 38	13 4	6 7	9 55	0 13	16 51	1 14	19 25	0 40	23 49	0 22	9 18	1 3	25 46	3 55	3 10	2 51	1 56	9 25	0 34
S 23	7 18	7 21	2 58	1 23	3 40	13 9	5 57	10 11	0 14	16 53	1 14	19 23	0 40	23 49	0 22	9 17	1 3	25 46	3 55	3 10	2 53	1 54	9 26	0 34
M24	6 55	10 38	3 49	1 41	3 40	13 14	5 48	10 27	0 14	16 55	1 14	19 22	0 40	23 49	0 22	9 16	1 3	25 46	3 55	3 9	2 54	1 52	9 27	0 34
T 25	6 32	13 31	4 30	2 2	3 39	13 18	5 38	10 43	0 15	16 57	1 14	19 20	0 40	23 49	0 22	9 15	1 3	25 46	3 55	3 9	2 55	1 50	9 28	0 33
W26	6 9	15 51	5 0	2 26	3 35	13 22	5 28	10 59	0 16	16 59	1 14	19 19	0 40	23 49	0 22	9 14	1 3	25 47	3 55	3 9	2 56	1 48	9 29	0 33
T 27	5 46	17 29	5 16	2 53	3 29	13 25	5 19	11 15	0 16	17 1	1 14	19 17	0 40	23 49	0 22	9 13	1 3	25 47	3 55	3 9	2 58	1 47	9 30	0 33
F 28	5s23	18n15	5s16	3s21	3n22	13s27	5n 9	11n30	0n17	17n 2	1n14	19s16	0s40	23n49	0n22	9s12	1s 3	25n47	3n55	3n 9	2n59	1s45	9n31	0n33

Julian Day Number = 2158293.5, Delta T = 13m28s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'41, Lahiri = 12°39'42 Julian Calendar 1 Feb. 1197 == Greg. Calendar 8 Feb. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

MARCH 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 5	17♓25'45	11♋38	12°R43	8♒ 7	29♈54	16°R42	7♒ 3	5°R 8	9♓ 0	20°R51	22°R 6	22♍28	26♓33	23♈ 7	S 1
S 2	11 6 1	18°25'17	25°32	11♓50	8°37	0♉36	16♌36	7° 9	5♋ 8	9° 2	20♋50	22♍ 5	22°25	26°40	23°10	S 2
M 3	11 9 58	19°24'48	9♌53	10°59	9° 8	1°17	16°31	7°15	5° 8	9° 5	20°49	22° 5	22°22	26°46	23°14	M 3
T 4	11 13 55	20°24'16	24°38	10°12	9°41	1°59	16°25	7°21	5° 8	9° 7	20°49	22° 5	22°18	26°53	23°17	T 4
W 5	11 17 51	21°23'41	9♍40	9°30	10°16	2°41	16°20	7°27	5° 8	9° 9	20°48	22° 5	22°15	27° 0	23°20	W 5
T 6	11 21 48	22°23'05	24°53	8°52	10°51	3°22	16°15	7°33	5°D 8	9°11	20°48	22° 5	22°12	27° 6	23°24	T 6
F 7	11 25 44	23°22'27	10♎ 5	8°19	11°28	4° 4	16° 9	7°39	5° 8	9°14	20°47	22° 5	22° 9	27°13	23°27	F 7
S 8	11 29 41	24°21'46	25° 8	7°53	12° 7	4°46	16° 5	7°45	5° 8	9°16	20°47	22° 5	22° 6	27°19	23°30	S 8
S 9	11 33 37	25°21'04	9♏54	7°32	12°46	5°27	16° 0	7°50	5° 8	9°18	20°46	22° 4	22° 2	27°26	23°34	S 9
M10	11 37 34	26°20'20	24°16	7°16	13°27	6° 9	15°55	7°56	5° 8	9°20	20°46	22° 4	21°59	27°33	23°37	M10
T 11	11 41 30	27°19'34	8♐12	7° 7	14° 8	6°50	15°51	8° 1	5° 8	9°22	20°45	22° 3	21°56	27°39	23°41	T 11
W12	11 45 27	28°18'46	21°42	7°D 4	14°51	7°32	15°46	8° 7	5° 8	9°25	20°45	22° 3	21°53	27°46	23°44	W12
T 13	11 49 24	29°17'57	4♑47	7° 6	15°34	8°13	15°42	8°12	5° 9	9°27	20°45	22°D 3	21°50	27°53	23°48	T 13
F 14	11 53 20	0♈17'05	17°29	7°13	16°19	8°54	15°38	8°18	5° 9	9°29	20°44	22° 3	21°47	27°59	23°51	F 14
S 15	11 57 17	1°16'12	29°54	7°26	17° 5	9°36	15°35	8°23	5°10	9°31	20°44	22° 4	21°43	28° 6	23°55	S 15
S 16	12 1 13	2°15'17	12♒ 3	7°44	17°51	10°17	15°31	8°28	5°10	9°33	20°44	22° 5	21°40	28°13	23°59	S 16
M17	12 5 10	3°14'20	24° 3	8° 7	18°38	10°58	15°28	8°33	5°11	9°35	20°43	22° 6	21°37	28°19	24° 2	M17
T 18	12 9 6	4°13'22	5♓55	8°34	19°26	11°39	15°24	8°38	5°11	9°38	20°43	22° 7	21°34	28°26	24° 6	T 18
W19	12 13 3	5°12'21	17°43	9° 6	20°15	12°21	15°21	8°43	5°12	9°40	20°43	22°R 8	21°31	28°33	24° 9	W19
T 20	12 16 59	6°11'18	29°29	9°41	21° 4	13° 2	15°18	8°48	5°13	9°42	20°43	22° 8	21°27	28°39	24°13	T 20
F 21	12 20 56	7°10'13	11♈17	10°21	21°55	13°43	15°16	8°53	5°13	9°44	20°42	22° 7	21°24	28°46	24°17	F 21
S 22	12 24 53	8° 9'06	23° 8	11° 5	22°46	14°24	15°13	8°58	5°14	9°46	20°42	22° 5	21°21	28°52	24°20	S 22
S 23	12 28 49	9° 7'57	5♉ 5	11°52	23°37	15° 5	15°11	9° 3	5°15	9°48	20°42	22° 3	21°18	28°59	24°24	S 23
M24	12 32 46	10° 6'46	17° 8	12°42	24°30	15°46	15° 9	9° 8	5°16	9°50	20°42	22° 0	21°15	29° 6	24°28	M24
T 25	12 36 42	11° 5'33	29°22	13°36	25°22	16°27	15° 7	9°12	5°17	9°52	20°42	21°57	21°12	29°12	24°32	T 25
W26	12 40 39	12° 4'18	11♊48	14°32	26°16	17° 8	15° 5	9°17	5°18	9°54	20°42	21°54	21° 8	29°19	24°35	W26
T 27	12 44 35	13° 3'00	24°30	15°32	27°10	17°49	15° 3	9°21	5°19	9°56	20°D42	21°52	21° 5	29°26	24°39	T 27
F 28	12 48 32	14° 1'40	7♋29	16°34	28° 4	18°30	15° 2	9°26	5°20	9°58	20°42	21°51	21° 2	29°32	24°43	F 28
S 29	12 52 28	15° 0'18	20°49	17°39	28°59	19°10	15° 1	9°30	5°21	10° 0	20°42	21°D51	20°59	29°39	24°47	S 29
S 30	12 56 25	15°58'54	4♌32	18°46	29°55	19°51	15° 0	9°34	5°23	10° 2	20°42	21°52	20°56	29°46	24°50	S 30
M31	13 0 21	16♈57'27	18♌39	19♓56	0♓51	20♉32	14♌59	9♒38	5♋24	10♓ 4	20♋42	21♍54	20♍53	29♓52	24♈54	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s59	18n 3	5s 0	3s51	3n12	13s29	5n 0	11n46	0n18	17n 4	1n14	19s14	0s40	23n49	0n22	9s12	1s 3	25n47	3n55	3n 9	3n 0	1s43	9n32	0n33
S 2	4 36	16 46	4 26	4 21	3 2	13 31	4 50	12 1	0 18	17 6	1 14	19 13	0 41	23 49	0 22	9 11	1 3	25 47	3 55	3 9	3 1	1 41	9 33	0 33
M 3	4 13	14 25	3 34	4 51	2 50	13 32	4 40	12 16	0 19	17 8	1 14	19 11	0 41	23 49	0 22	9 10	1 3	25 47	3 55	3 9	3 3	1 39	9 34	0 33
T 4	3 49	11 4	2 27	5 21	2 37	13 33	4 31	12 31	0 20	17 9	1 14	19 10	0 41	23 49	0 22	9 9	1 3	25 47	3 55	3 9	3 4	1 37	9 36	0 33
W 5	3 26	6 55	1 9	5 50	2 23	13 33	4 21	12 46	0 20	17 11	1 14	19 9	0 41	23 49	0 22	9 8	1 3	25 47	3 55	3 9	3 5	1 36	9 37	0 33
T 6	3 2	2 17	0n16	6 18	2 8	13 33	4 12	13 1	0 21	17 12	1 14	19 7	0 41	23 49	0 22	9 7	1 3	25 47	3 55	3 9	3 6	1 34	9 38	0 33
F 7	2 38	2s30	1 39	6 44	1 54	13 32	4 3	13 16	0 22	17 14	1 14	19 6	0 41	23 49	0 22	9 7	1 3	25 47	3 54	3 9	3 8	1 32	9 39	0 33
S 8	2 15	7 4	2 54	7 8	1 38	13 30	3 53	13 31	0 22	17 15	1 13	19 5	0 41	23 49	0 22	9 6	1 3	25 47	3 54	3 9	3 9	1 30	9 40	0 33
S 9	1 51	11 7	3 56	7 30	1 23	13 28	3 44	13 45	0 23	17 17	1 13	19 3	0 41	23 49	0 22	9 5	1 3	25 47	3 54	3 10	3 10	1 28	9 41	0 32
M10	1 28	14 22	4 42	7 50	1 7	13 25	3 35	14 0	0 24	17 18	1 13	19 2	0 42	23 49	0 22	9 4	1 3	25 47	3 54	3 10	3 11	1 26	9 43	0 32
T 11	1 4	16 41	5 9	8 8	0 52	13 22	3 26	14 14	0 24	17 19	1 13	19 1	0 42	23 49	0 22	9 3	1 3	25 47	3 54	3 10	3 13	1 24	9 44	0 32
W12	0 40	17 59	5 18	8 23	0 37	13 19	3 17	14 28	0 25	17 20	1 13	18 59	0 42	23 49	0 22	9 3	1 3	25 47	3 54	3 10	3 14	1 23	9 45	0 32
T 13	0 17	18 17	5 10	8 36	0 23	13 14	3 8	14 42	0 26	17 22	1 13	18 58	0 42	23 48	0 22	9 2	1 3	25 47	3 54	3 10	3 15	1 21	9 46	0 32
F 14	0n 7	17 39	4 47	8 46	0 8	13 10	2 59	14 56	0 26	17 23	1 13	18 57	0 42	23 48	0 22	9 1	1 3	25 48	3 54	3 10	3 17	1 19	9 47	0 32
S 15	0 30	16 10	4 11	8 54	0s 5	13 4	2 51	15 10	0 27	17 24	1 13	18 55	0 42	23 48	0 22	9 0	1 3	25 48	3 54	3 10	3 18	1 17	9 49	0 32
S 16	0 54	13 58	3 25	9 0	0 19	12 59	2 42	15 24	0 27	17 25	1 13	18 54	0 42	23 48	0 22	8 59	1 3	25 48	3 54	3 9	3 19	1 15	9 50	0 32
M17	1 18	11 12	2 30	9 3	0 32	12 52	2 34	15 37	0 28	17 26	1 13	18 53	0 42	23 48	0 22	8 59	1 3	25 48	3 54	3 9	3 20	1 13	9 51	0 32
T 18	1 41	8 0	1 29	9 4	0 44	12 45	2 25	15 51	0 28	17 26	1 13	18 52	0 43	23 48	0 22	8 58	1 3	25 48	3 54	3 8	3 22	1 12	9 53	0 32
W19	2 5	4 30	0 25	9 3	0 55	12 38	2 17	16 4	0 29	17 27	1 12	18 50	0 43	23 48	0 22	8 57	1 3	25 48	3 54	3 8	3 23	1 10	9 54	0 32
T 20	2 28	0 50	0s41	9 0	1 7	12 30	2 9	16 17	0 30	17 28	1 12	18 49	0 43	23 48	0 22	8 56	1 3	25 48	3 54	3 8	3 24	1 8	9 55	0 32
F 21	2 51	2n53	1 44	8 54	1 17	12 21	2 1	16 30	0 30	17 29	1 12	18 48	0 43	23 48	0 22	8 56	1 3	25 48	3 54	3 9	3 25	1 6	9 56	0 31
S 22	3 15	6 30	2 44	8 47	1 27	12 12	1 53	16 43	0 31	17 29	1 12	18 47	0 43	23 48	0 22	8 55	1 3	25 48	3 54	3 9	3 27	1 4	9 58	0 31
S 23	3 38	9 53	3 36	8 37	1 36	12 3	1 45	16 56	0 31	17 30	1 12	18 46	0 43	23 48	0 22	8 54	1 3	25 48	3 54	3 10	3 28	1 2	9 59	0 31
M24	4 1	12 53	4 19	8 26	1 45	11 53	1 38	17 8	0 32	17 30	1 12	18 45	0 43	23 48	0 22	8 53	1 3	25 48	3 54	3 11	3 29	1 0	10 0	0 31
T 25	4 24	15 21	4 52	8 13	1 53	11 42	1 30	17 21	0 32	17 31	1 12	18 44	0 43	23 48	0 22	8 53	1 3	25 48	3 54	3 12	3 30	0 59	10 2	0 31
W26	4 47	17 10	5 11	7 57	2 0	11 31	1 23	17 33	0 33	17 31	1 12	18 43	0 44	23 48	0 22	8 52	1 3	25 47	3 54	3 13	3 32	0 57	10 3	0 31
T 27	5 10	18 11	5 15	7 41	2 7	11 20	1 16	17 45	0 33	17 32	1 12	18 42	0 44	23 48	0 22	8 51	1 3	25 47	3 54	3 14	3 33	0 55	10 4	0 31
F 28	5 33	18 16	5 4	7 22	2 13	11 7	1 8	17 57	0 34	17 32	1 11	18 40	0 44	23 48	0 22	8 50	1 3	25 47	3 54	3 15	3 34	0 53	10 5	0 31
S 29	5 56	17 22	4 36	7 2	2 19	10 55	1 1	18 9	0 35	17 32	1 11	18 39	0 44	23 48	0 22	8 50	1 3	25 47	3 54	3 15	3 35	0 51	10 7	0 31
S 30	6 19	15 27	3 52	6 40	2 24	10 42	0 55	18 20	0 35	17 32	1 11	18 38	0 44	23 48	0 22	8 49	1 3	25 47	3 54	3 14	3 37	0 49	10 8	0 31
M31	6n41	12n33	2s53	6s16	2s28	10s29	0n48	18n32	0n36	17n33	1n11	18s37	0s44	23n48	0n22	8s48	1s 3	25n47	3n54	3n14	3n38	0s47	10n 9	0n31

Julian Day Number = 2158321.5, Delta T = 13m28s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'45, Lahiri = 12°39'45 Julian Calendar 1 March 1197 == Greg. Calendar 8 March 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

APRIL 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 18	17♈55'58	3♍ 9	21♓ 9	1♓47	21♉13	14°R58	9♒42	5♋25	10♓ 6	20♋42	21♍55	20♍49	29♓59	24♈58	T 1
W 2	13 8 15	18°54'27	17°58	22°23	2°44	21°53	14♌58	9°46	5°27	10° 8	20°42	21°R56	20°46	0♈ 6	25° 2	W 2
T 3	13 12 11	19°52'54	3♎ 2	23°40	3°42	22°34	14°57	9°50	5°28	10° 9	20°43	21°55	20°43	0°12	25° 5	T 3
F 4	13 16 8	20°51'18	18°11	24°59	4°40	23°14	14°D57	9°54	5°29	10°11	20°43	21°54	20°40	0°19	25° 9	F 4
S 5	13 20 4	21°49'41	3♏18	26°20	5°38	23°55	14°57	9°58	5°31	10°13	20°43	21°51	20°37	0°26	25°13	S 5
S 6	13 24 1	22°48'02	18°11	27°43	6°37	24°36	14°57	10° 1	5°33	10°15	20°43	21°47	20°33	0°32	25°17	S 6
M 7	13 27 57	23°46'22	2♐44	29° 8	7°36	25°16	14°58	10° 5	5°34	10°17	20°44	21°42	20°30	0°39	25°21	M 7
T 8	13 31 54	24°44'39	16°50	0♑35	8°35	25°57	14°59	10° 9	5°36	10°18	20°44	21°37	20°27	0°45	25°24	T 8
W 9	13 35 50	25°42'56	0♑29	2° 4	9°35	26°37	14°59	10°12	5°38	10°20	20°44	21°34	20°24	0°52	25°28	W 9
T 10	13 39 47	26°41'10	13°39	3°35	10°35	27°17	15° 0	10°15	5°39	10°22	20°45	21°32	20°21	0°59	25°32	T 10
F 11	13 43 44	27°39'23	26°25	5° 8	11°35	27°58	15° 2	10°19	5°41	10°24	20°45	21°D31	20°18	1° 5	25°36	F 11
S 12	13 47 40	28°37'35	8♒48	6°43	12°36	28°38	15° 3	10°22	5°43	10°25	20°45	21°31	20°14	1°12	25°40	S 12
S 13	13 51 37	29°35'45	20°56	8°19	13°37	29°18	15° 4	10°25	5°45	10°27	20°46	21°32	20°11	1°19	25°44	S 13
M14	13 55 33	0♉33'53	2♓51	9°58	14°39	29°59	15° 6	10°28	5°47	10°28	20°46	21°34	20° 8	1°25	25°47	M14
T 15	13 59 30	1°32'00	14°40	11°38	15°40	0♊39	15° 8	10°31	5°49	10°30	20°47	21°35	20° 5	1°32	25°51	T 15
W16	14 3 26	2°30'06	26°26	13°20	16°42	1°19	15°10	10°34	5°51	10°32	20°47	21°R35	20° 2	1°39	25°55	W16
T 17	14 7 23	3°28'10	8♈13	15° 4	17°45	1°59	15°12	10°36	5°53	10°33	20°48	21°34	19°59	1°45	25°59	T 17
F 18	14 11 19	4°26'12	20° 4	16°50	18°47	2°39	15°15	10°39	5°55	10°35	20°48	21°30	19°55	1°52	26° 3	F 18
S 19	14 15 16	5°24'13	2♉ 2	18°38	19°50	3°19	15°17	10°41	5°57	10°36	20°49	21°25	19°52	1°59	26° 6	S 19
S 20	14 19 13	6°22'12	14° 9	20°28	20°53	4° 0	15°20	10°44	5°59	10°38	20°49	21°18	19°49	2° 5	26°10	S 20
M21	14 23 9	7°20'09	26°26	22°20	21°56	4°40	15°23	10°46	6° 2	10°39	20°50	21°10	19°46	2°12	26°14	M21
T 22	14 27 6	8°18'05	8♊53	24°13	23° 0	5°20	15°26	10°49	6° 4	10°41	20°51	21° 1	19°43	2°19	26°18	T 22
W23	14 31 2	9°16'00	21°32	26° 8	24° 3	6° 0	15°30	10°51	6° 6	10°42	20°51	20°53	19°39	2°25	26°21	W23
T 24	14 34 59	10°13'52	4♋24	28° 6	25° 7	6°40	15°33	10°53	6° 9	10°43	20°52	20°47	19°36	2°32	26°25	T 24
F 25	14 38 55	11°11'43	17°30	0♌ 5	26°11	7°19	15°37	10°55	6°11	10°45	20°53	20°42	19°33	2°38	26°29	F 25
S 26	14 42 52	12° 9'32	0♌52	2° 6	27°16	7°59	15°40	10°57	6°13	10°46	20°53	20°39	19°30	2°45	26°33	S 26
S 27	14 46 48	13° 7'19	14°30	4° 8	28°20	8°39	15°44	10°58	6°16	10°47	20°54	20°D39	19°27	2°52	26°36	S 27
M28	14 50 45	14° 5'05	28°26	6°12	29°25	9°19	15°49	11° 0	6°18	10°49	20°55	20°39	19°24	2°58	26°40	M28
T 29	14 54 42	15° 2'48	12♍40	8°18	0♈30	9°59	15°53	11° 2	6°21	10°50	20°56	20°40	19°20	3° 5	26°44	T 29
W30	14 58 38	16♉ 0'30	27♍10	10♉25	1♈35	10♊39	15♌57	11♒ 3	6♋24	10♓51	20♋57	20°R40	19♍17	3♈12	26♈47	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 4	8n49	1s42	5s51	2s32	10s15	0n41	18n43	0n36	17n33	1n11	18s37	0s44	23n48	0n22	8s48	1s 3	25n47	3n54	3n13	3n39	0s46	10n11	0n31
W 2	7 26	4 26	0 22	5 24	2 35	10 0	0 35	18 54	0 37	17 33	1 11	18 36	0 45	23 48	0 22	8 47	1 3	25 47	3 54	3 13	3 40	0 44	10 12	0 31
T 3	7 48	0s17	1n 1	4 56	2 38	9 45	0 28	19 5	0 37	17 33	1 11	18 35	0 45	23 47	0 22	8 46	1 3	25 47	3 54	3 13	3 42	0 42	10 13	0 30
F 4	8 10	5 1	2 19	4 27	2 40	9 30	0 22	19 16	0 38	17 33	1 11	18 34	0 45	23 47	0 22	8 45	1 3	25 47	3 54	3 14	3 43	0 40	10 15	0 30
S 5	8 32	9 24	3 28	3 56	2 41	9 14	0 16	19 27	0 38	17 32	1 10	18 33	0 45	23 47	0 22	8 45	1 3	25 47	3 54	3 15	3 44	0 38	10 16	0 30
S 6	8 54	13 8	4 21	3 23	2 42	8 58	0 10	19 37	0 39	17 32	1 10	18 32	0 45	23 47	0 22	8 44	1 3	25 47	3 54	3 17	3 45	0 36	10 17	0 30
M 7	9 16	15 57	4 56	2 50	2 43	8 42	0 4	19 48	0 39	17 32	1 10	18 31	0 45	23 47	0 22	8 44	1 3	25 47	3 54	3 18	3 47	0 34	10 19	0 30
T 8	9 37	17 43	5 12	2 15	2 42	8 25	0s 2	19 58	0 40	17 32	1 10	18 30	0 45	23 47	0 22	8 43	1 4	25 47	3 54	3 20	3 48	0 33	10 20	0 30
W 9	9 59	18 23	5 9	1 39	2 42	8 8	0 8	20 8	0 40	17 31	1 10	18 30	0 46	23 47	0 22	8 42	1 4	25 47	3 53	3 22	3 49	0 31	10 21	0 30
T 10	10 20	18 2	4 50	1 1	2 40	7 50	0 13	20 18	0 40	17 31	1 10	18 29	0 46	23 47	0 22	8 42	1 4	25 47	3 53	3 22	3 50	0 29	10 23	0 30
F 11	10 41	16 45	4 17	0 23	2 39	7 32	0 18	20 27	0 41	17 30	1 10	18 28	0 46	23 47	0 22	8 41	1 4	25 47	3 53	3 23	3 52	0 27	10 24	0 30
S 12	11 2	14 43	3 33	0n17	2 36	7 13	0 24	20 37	0 41	17 30	1 9	18 27	0 46	23 47	0 22	8 40	1 4	25 46	3 53	3 23	3 53	0 25	10 25	0 30
S 13	11 23	12 4	2 40	0 58	2 33	6 55	0 29	20 46	0 42	17 29	1 9	18 27	0 46	23 47	0 22	8 40	1 4	25 46	3 53	3 22	3 54	0 23	10 27	0 30
M14	11 43	8 56	1 40	1 40	2 30	6 35	0 34	20 55	0 42	17 29	1 9	18 26	0 46	23 47	0 22	8 39	1 4	25 46	3 53	3 21	3 55	0 21	10 28	0 30
T 15	12 3	5 29	0 38	2 23	2 26	6 16	0 39	21 4	0 43	17 28	1 9	18 25	0 46	23 46	0 22	8 39	1 4	25 46	3 53	3 21	3 57	0 20	10 29	0 30
W16	12 24	1 50	0s26	3 7	2 21	5 56	0 43	21 13	0 43	17 27	1 9	18 25	0 47	23 46	0 22	8 38	1 4	25 46	3 53	3 21	3 58	0 18	10 31	0 30
T 17	12 43	1n54	1 29	3 52	2 16	5 36	0 48	21 22	0 44	17 26	1 9	18 24	0 47	23 46	0 22	8 38	1 4	25 46	3 53	3 22	3 59	0 16	10 32	0 29
F 18	13 3	5 35	2 28	4 38	2 10	5 15	0 52	21 30	0 44	17 25	1 9	18 24	0 47	23 46	0 22	8 37	1 4	25 46	3 53	3 23	4 0	0 14	10 33	0 29
S 19	13 23	9 5	3 22	5 25	2 4	4 55	0 57	21 38	0 45	17 25	1 9	18 23	0 47	23 46	0 22	8 36	1 4	25 46	3 53	3 25	4 2	0 12	10 35	0 29
S 20	13 42	12 14	4 6	6 13	1 58	4 34	1 1	21 46	0 45	17 24	1 8	18 22	0 47	23 46	0 22	8 36	1 4	25 46	3 53	3 28	4 3	0 10	10 36	0 29
M21	14 1	14 54	4 40	7 1	1 51	4 12	1 5	21 54	0 45	17 23	1 8	18 22	0 47	23 46	0 22	8 35	1 4	25 45	3 53	3 31	4 4	0 8	10 37	0 29
T 22	14 20	16 55	5 1	7 50	1 43	3 51	1 9	22 2	0 46	17 22	1 8	18 22	0 48	23 46	0 22	8 35	1 4	25 45	3 53	3 35	4 5	0 7	10 39	0 29
W23	14 39	18 9	5 8	8 39	1 35	3 29	1 13	22 9	0 46	17 20	1 8	18 21	0 48	23 46	0 22	8 34	1 4	25 45	3 53	3 38	4 7	0 5	10 40	0 29
T 24	14 57	18 29	4 59	9 30	1 27	3 7	1 17	22 17	0 47	17 19	1 8	18 21	0 48	23 46	0 22	8 34	1 4	25 45	3 53	3 40	4 8	0 3	10 41	0 29
F 25	15 15	17 51	4 35	10 20	1 18	2 45	1 20	22 24	0 47	17 18	1 8	18 20	0 48	23 45	0 22	8 33	1 4	25 45	3 53	3 42	4 9	0 1	10 42	0 29
S 26	15 33	16 13	3 56	11 11	1 9	2 22	1 24	22 31	0 47	17 17	1 8	18 20	0 48	23 45	0 22	8 33	1 4	25 45	3 53	3 43	4 10	0n 1	10 44	0 29
S 27	15 51	13 39	3 2	12 1	0 59	2 0	1 27	22 38	0 48	17 15	1 7	18 20	0 48	23 45	0 22	8 33	1 4	25 45	3 53	3 43	4 12	0 3	10 45	0 29
M28	16 8	10 15	1 57	12 52	0 49	1 37	1 30	22 44	0 48	17 14	1 7	18 19	0 49	23 45	0 22	8 32	1 4	25 44	3 53	3 43	4 13	0 5	10 46	0 29
T 29	16 25	6 11	0 43	13 43	0 39	1 14	1 33	22 50	0 49	17 13	1 7	18 19	0 49	23 45	0 22	8 32	1 4	25 44	3 53	3 43	4 14	0 6	10 48	0 29
W30	16n42	1n40	0n35	14n33	0s29	0s50	1s36	22n57	0n49	17n11	1n 7	18s19	0s49	23n45	0n22	8s31	1s 4	25n44	3n53	3n43	4n15	0n 8	10n49	0n29

Julian Day Number = 2158352.5, Delta T = 13m27s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'49, Lahiri = 12°39'50 Julian Calendar 1 Apr. 1197 == Greg. Calendar 8 Apr. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

MAY 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 35	16♉58'11	11♎54	12♉34	2♈40	11♊18	16♌ 2	11♒ 5	6♋26	10♓52	20♋57	20°R39	19♍14	3♈18	26♈51	T 1
F 2	15 6 31	17°55'50	26°46	14°43	3°45	11°58	16° 7	11° 6	6°29	10°53	20°58	20♍35	19°11	3°25	26°55	F 2
S 3	15 10 28	18°53'27	11♏39	16°53	4°51	12°38	16°12	11° 7	6°31	10°54	20°59	20°28	19° 8	3°32	26°58	S 3
S 4	15 14 24	19°51'03	26°24	19° 5	5°56	13°17	16°17	11° 8	6°34	10°56	21° 0	20°20	19° 4	3°38	27° 2	S 4
M 5	15 18 21	20°48'38	10♐53	21°16	7° 2	13°57	16°22	11° 9	6°37	10°57	21° 1	20°11	19° 1	3°45	27° 5	M 5
T 6	15 22 17	21°46'12	25° 0	23°28	8° 8	14°37	16°27	11°10	6°40	10°58	21° 2	20° 1	18°58	3°52	27° 9	T 6
W 7	15 26 14	22°43'45	8♑41	25°39	9°15	15°16	16°33	11°11	6°43	10°59	21° 3	19°53	18°55	3°58	27°12	W 7
T 8	15 30 11	23°41'17	21°55	27°51	10°21	15°56	16°39	11°12	6°45	11° 0	21° 4	19°47	18°52	4° 5	27°16	T 8
F 9	15 34 7	24°38'48	4♒44	0♊ 1	11°27	16°35	16°44	11°12	6°48	11° 1	21° 5	19°43	18°49	4°12	27°19	F 9
S 10	15 38 4	25°36'18	17°10	2°11	12°34	17°15	16°50	11°13	6°51	11° 1	21° 6	19°41	18°45	4°18	27°23	S 10
S 11	15 42 0	26°33'47	29°18	4°19	13°41	17°54	16°56	11°13	6°54	11° 2	21° 7	19°D41	18°42	4°25	27°26	S 11
M12	15 45 57	27°31'15	11♓14	6°26	14°48	18°34	17° 3	11°14	6°57	11° 3	21° 8	19°41	18°39	4°31	27°30	M12
T 13	15 49 53	28°28'43	23° 3	8°32	15°55	19°13	17° 9	11°14	7° 0	11° 4	21° 9	19°R41	18°36	4°38	27°33	T 13
W14	15 53 50	29°26'09	4♈50	10°35	17° 2	19°52	17°16	11°14	7° 3	11° 5	21°11	19°40	18°33	4°45	27°37	W14
T 15	15 57 46	0♊23'35	16°40	12°37	18° 9	20°32	17°22	11°R14	7° 6	11° 6	21°12	19°37	18°30	4°51	27°40	T 15
F 16	16 1 43	1°21'00	28°36	14°37	19°17	21°11	17°29	11°14	7° 9	11° 6	21°13	19°31	18°26	4°58	27°43	F 16
S 17	16 5 39	2°18'25	10♉43	16°34	20°24	21°50	17°36	11°14	7°13	11° 7	21°14	19°23	18°23	5° 5	27°47	S 17
S 18	16 9 36	3°15'49	23° 2	18°29	21°32	22°30	17°43	11°14	7°16	11° 8	21°15	19°13	18°20	5°11	27°50	S 18
M19	16 13 33	4°13'11	5♊34	20°22	22°40	23° 9	17°50	11°13	7°19	11° 8	21°16	19° 1	18°17	5°18	27°53	M19
T 20	16 17 29	5°10'34	18°19	22°12	23°47	23°48	17°58	11°13	7°22	11° 9	21°18	18°48	18°14	5°25	27°56	T 20
W21	16 21 26	6° 7'55	1♋18	24° 0	24°55	24°27	18° 5	11°12	7°25	11° 9	21°19	18°36	18°10	5°31	28° 0	W21
T 22	16 25 22	7° 5'15	14°28	25°45	26° 3	25° 7	18°13	11°12	7°29	11°10	21°20	18°26	18° 7	5°38	28° 3	T 22
F 23	16 29 19	8° 2'35	27°50	27°28	27°12	25°46	18°20	11°11	7°32	11°11	21°21	18°19	18° 4	5°45	28° 6	F 23
S 24	16 33 15	8°59'53	11♌23	29° 8	28°20	26°25	18°28	11°10	7°35	11°11	21°23	18°14	18° 1	5°51	28° 9	S 24
S 25	16 37 12	9°57'11	25° 7	0♋46	29°28	27° 4	18°36	11° 9	7°38	11°11	21°24	18°12	17°58	5°58	28°12	S 25
M26	16 41 9	10°54'27	9♍ 1	2°20	0♉36	27°43	18°44	11° 8	7°42	11°12	21°25	18°11	17°55	6° 5	28°15	M26
T 27	16 45 5	11°51'43	23° 6	3°53	1°45	28°22	18°53	11° 7	7°45	11°12	21°27	18°11	17°51	6°11	28°18	T 27
W28	16 49 2	12°48'57	7♎21	5°22	2°54	29° 1	19° 1	11° 6	7°49	11°13	21°28	18°11	17°48	6°18	28°21	W28
T 29	16 52 58	13°46'11	21°44	6°49	4° 2	29°40	19° 9	11° 4	7°52	11°13	21°30	18° 8	17°45	6°25	28°24	T 29
F 30	16 56 55	14°43'24	6♏13	8°14	5°11	0♋19	19°18	11° 3	7°55	11°13	21°31	18° 3	17°42	6°31	28°27	F 30
S 31	17 0 51	15♊40'36	20♏43	9♋35	6♉20	0♋58	19♌26	11♒ 1	7♋59	11♓13	21♋32	17♍55	17♍39	6♈38	28♈30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n59	3s 1	1n51	15n23	0s18	0s27	1s39	23n 3	0n49	17n10	1n 7	18s18	0s49	23n45	0n22	8s31	1s 4	25n44	3n53	3n43	4n17	0n10	10n50	0n29
F 2	17 15	7 33	3 1	16 12	0 8	0 3	1 42	23 8	0 50	17 8	1 7	18 18	0 49	23 44	0 22	8 30	1 4	25 44	3 53	3 45	4 18	0 12	10 51	0 28
S 3	17 31	11 37	3 58	17 0	0n 3	0n20	1 44	23 14	0 50	17 7	1 7	18 18	0 49	23 44	0 22	8 30	1 4	25 44	3 53	3 47	4 19	0 14	10 53	0 28
S 4	17 47	14 54	4 39	17 47	0 13	0 44	1 47	23 19	0 50	17 5	1 6	18 18	0 50	23 44	0 22	8 30	1 5	25 43	3 53	3 51	4 20	0 16	10 54	0 28
M 5	18 2	17 12	5 1	18 32	0 24	1 8	1 49	23 25	0 51	17 3	1 6	18 18	0 50	23 44	0 22	8 29	1 5	25 43	3 53	3 54	4 22	0 18	10 55	0 28
T 6	18 17	18 23	5 4	19 16	0 34	1 32	1 51	23 30	0 51	17 1	1 6	18 18	0 50	23 44	0 22	8 29	1 5	25 43	3 53	3 58	4 23	0 19	10 56	0 28
W 7	18 32	18 27	4 49	19 58	0 44	1 56	1 54	23 35	0 51	17 0	1 6	18 18	0 50	23 44	0 22	8 29	1 5	25 43	3 53	4 1	4 24	0 21	10 58	0 28
T 8	18 46	17 30	4 19	20 38	0 54	2 21	1 56	23 39	0 52	16 58	1 6	18 18	0 50	23 44	0 22	8 28	1 5	25 43	3 53	4 4	4 25	0 23	10 59	0 28
F 9	19 1	15 40	3 36	21 16	1 3	2 45	1 57	23 44	0 52	16 56	1 6	18 18	0 50	23 43	0 22	8 28	1 5	25 43	3 53	4 5	4 27	0 25	11 0	0 28
S 10	19 15	13 9	2 45	21 51	1 12	3 9	1 59	23 48	0 53	16 54	1 6	18 18	0 50	23 43	0 22	8 28	1 5	25 42	3 53	4 6	4 28	0 27	11 1	0 28
S 11	19 28	10 6	1 47	22 24	1 20	3 34	2 1	23 52	0 53	16 52	1 6	18 18	0 51	23 43	0 22	8 27	1 5	25 42	3 53	4 6	4 29	0 29	11 2	0 28
M12	19 41	6 41	0 45	22 55	1 28	3 58	2 2	23 56	0 53	16 50	1 5	18 18	0 51	23 43	0 22	8 27	1 5	25 42	3 53	4 6	4 30	0 31	11 4	0 28
T 13	19 54	3 3	0s18	23 23	1 35	4 23	2 4	23 59	0 54	16 48	1 5	18 18	0 51	23 43	0 22	8 27	1 5	25 42	3 53	4 6	4 32	0 33	11 5	0 28
W14	20 7	0n42	1 20	23 48	1 41	4 48	2 5	24 3	0 54	16 46	1 5	18 18	0 51	23 43	0 22	8 26	1 5	25 42	3 53	4 6	4 33	0 34	11 6	0 28
T 15	20 19	4 27	2 18	24 11	1 47	5 12	2 6	24 6	0 54	16 44	1 5	18 18	0 51	23 42	0 22	8 26	1 5	25 41	3 53	4 8	4 34	0 36	11 7	0 28
F 16	20 31	8 3	3 11	24 30	1 52	5 37	2 7	24 9	0 54	16 41	1 5	18 18	0 51	23 42	0 22	8 26	1 5	25 41	3 53	4 10	4 35	0 38	11 8	0 28
S 17	20 43	11 22	3 56	24 47	1 56	6 1	2 8	24 12	0 55	16 39	1 5	18 18	0 52	23 42	0 22	8 26	1 5	25 41	3 53	4 13	4 37	0 40	11 9	0 28
S 18	20 54	14 14	4 31	25 2	2 0	6 26	2 9	24 15	0 55	16 37	1 5	18 19	0 52	23 42	0 22	8 26	1 5	25 41	3 53	4 17	4 38	0 42	11 11	0 28
M19	21 5	16 31	4 53	25 14	2 3	6 50	2 10	24 17	0 55	16 35	1 5	18 19	0 52	23 42	0 22	8 25	1 5	25 41	3 53	4 22	4 39	0 44	11 12	0 27
T 20	21 15	18 1	5 1	25 23	2 5	7 15	2 11	24 19	0 56	16 32	1 5	18 19	0 52	23 42	0 22	8 25	1 5	25 40	3 53	4 27	4 40	0 46	11 13	0 27
W21	21 25	18 38	4 54	25 30	2 6	7 39	2 11	24 21	0 56	16 30	1 4	18 20	0 52	23 41	0 22	8 25	1 5	25 40	3 53	4 32	4 42	0 48	11 14	0 27
T 22	21 35	18 15	4 31	25 35	2 7	8 4	2 12	24 23	0 56	16 27	1 4	18 20	0 52	23 41	0 22	8 25	1 5	25 40	3 53	4 36	4 43	0 49	11 15	0 27
F 23	21 45	16 52	3 53	25 38	2 7	8 28	2 12	24 25	0 57	16 25	1 4	18 20	0 53	23 41	0 22	8 25	1 5	25 40	3 53	4 38	4 44	0 51	11 16	0 27
S 24	21 54	14 32	3 2	25 38	2 6	8 52	2 12	24 26	0 57	16 22	1 4	18 21	0 53	23 41	0 22	8 25	1 5	25 40	3 53	4 40	4 45	0 53	11 17	0 27
S 25	22 2	11 20	1 59	25 36	2 4	9 16	2 12	24 28	0 57	16 20	1 4	18 21	0 53	23 41	0 22	8 24	1 5	25 39	3 53	4 41	4 47	0 55	11 18	0 27
M26	22 10	7 29	0 48	25 33	2 2	9 40	2 12	24 29	0 57	16 17	1 4	18 21	0 53	23 40	0 22	8 24	1 6	25 39	3 53	4 41	4 48	0 57	11 19	0 27
T 27	22 18	3 9	0n26	25 28	1 59	10 4	2 12	24 30	0 58	16 14	1 4	18 22	0 53	23 40	0 22	8 24	1 6	25 39	3 53	4 41	4 49	0 59	11 20	0 27
W28	22 26	1s24	1 40	25 21	1 55	10 28	2 12	24 30	0 58	16 12	1 4	18 22	0 53	23 40	0 22	8 24	1 6	25 39	3 53	4 42	4 50	1 1	11 21	0 27
T 29	22 33	5 55	2 48	25 12	1 50	10 51	2 12	24 31	0 58	16 9	1 4	18 23	0 54	23 40	0 22	8 24	1 6	25 39	3 53	4 43	4 52	1 2	11 22	0 27
F 30	22 40	10 7	3 45	25 2	1 45	11 14	2 12	24 31	0 59	16 6	1 3	18 24	0 54	23 40	0 22	8 24	1 6	25 38	3 53	4 45	4 53	1 4	11 23	0 27
S 31	22n46	13s42	4n28	24n51	1n39	11n38	2s11	24n31	0n59	16n 3	1n 3	18s24	0s54	23n39	0n22	8s24	1s 6	25n38	3n53	4n48	4n54	1n 6	11n24	0n27

Julian Day Number = 2158382.5, Delta T = 13m27s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'53, Lahiri = 12°39'54 Julian Calendar 1 May 1197 == Greg. Calendar 8 May 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

JUNE 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 48	16♊37'48	5♐ 6	10♋54	7♉29	1♋37	19♌35	11°R 0	8♋ 2	11♓14	21♋34	17°R44	17♍36	6♈45	28♈33	S 1
M 2	17 8 44	17°35'00	19°18	12°10	8°38	2°16	19°44	10♒58	8° 6	11°14	21°35	17♍33	17°32	6°51	28°35	M 2
T 3	17 12 41	18°32'11	3♑13	13°23	9°47	2°55	19°53	10°56	8° 9	11°14	21°37	17°21	17°29	6°58	28°38	T 3
W 4	17 16 38	19°29'21	16°46	14°33	10°56	3°34	20° 2	10°54	8°13	11°14	21°38	17°11	17°26	7° 5	28°41	W 4
T 5	17 20 34	20°26'32	29°56	15°40	12° 6	4°13	20°11	10°52	8°16	11°14	21°40	17° 2	17°23	7°11	28°44	T 5
F 6	17 24 31	21°23'42	12♒43	16°44	13°15	4°52	20°21	10°50	8°20	11°14	21°41	16°56	17°20	7°18	28°46	F 6
S 7	17 28 27	22°20'52	25° 9	17°45	14°24	5°30	20°30	10°48	8°23	11°R14	21°43	16°53	17°16	7°24	28°49	S 7
S 8	17 32 24	23°18'03	7♓18	18°43	15°34	6° 9	20°39	10°46	8°27	11°14	21°44	16°52	17°13	7°31	28°51	S 8
M 9	17 36 20	24°15'13	19°15	19°37	16°44	6°48	20°49	10°44	8°30	11°14	21°46	16°51	17°10	7°38	28°54	M 9
T 10	17 40 17	25°12'23	1♈ 5	20°28	17°53	7°27	20°59	10°41	8°34	11°14	21°47	16°51	17° 7	7°44	28°56	T 10
W11	17 44 13	26° 9'34	12°54	21°15	19° 3	8° 6	21° 8	10°39	8°37	11°14	21°49	16°50	17° 4	7°51	28°59	W11
T 12	17 48 10	27° 6'44	24°47	21°59	20°13	8°44	21°18	10°36	8°41	11°14	21°50	16°48	17° 1	7°58	29° 1	T 12
F 13	17 52 7	28° 3'55	6♉48	22°39	21°23	9°23	21°28	10°34	8°45	11°14	21°52	16°43	16°57	8° 4	29° 4	F 13
S 14	17 56 3	29° 1'06	19° 2	23°15	22°33	10° 2	21°38	10°31	8°48	11°13	21°53	16°35	16°54	8°11	29° 6	S 14
S 15	18 0 0	29°58'17	1♊31	23°47	23°43	10°40	21°48	10°28	8°52	11°13	21°55	16°25	16°51	8°18	29° 8	S 15
M16	18 3 56	0♋55'29	14°17	24°15	24°53	11°19	21°59	10°25	8°55	11°13	21°57	16°13	16°48	8°24	29°11	M16
T 17	18 7 53	1°52'40	27°21	24°38	26° 3	11°58	22° 9	10°22	8°59	11°13	21°58	16° 1	16°45	8°31	29°13	T 17
W18	18 11 49	2°49'52	10♋41	24°58	27°13	12°37	22°19	10°19	9° 3	11°12	22° 0	15°50	16°42	8°38	29°15	W18
T 19	18 15 46	3°47'04	24°14	25°12	28°24	13°15	22°30	10°16	9° 6	11°12	22° 1	15°40	16°38	8°44	29°17	T 19
F 20	18 19 42	4°44'16	7♌59	25°22	29°34	13°54	22°40	10°13	9°10	11°11	22° 3	15°33	16°35	8°51	29°19	F 20
S 21	18 23 39	5°41'28	21°53	25°27	0♊44	14°32	22°51	10°10	9°14	11°11	22° 5	15°29	16°32	8°58	29°21	S 21
S 22	18 27 36	6°38'39	5♍52	25°R28	1°55	15°11	23° 1	10° 6	9°17	11°11	22° 6	15°27	16°29	9° 4	29°23	S 22
M23	18 31 32	7°35'51	19°56	25°24	3° 6	15°50	23°12	10° 3	9°21	11°10	22° 8	15°D26	16°26	9°11	29°25	M23
T 24	18 35 29	8°33'03	4♎ 3	25°15	4°16	16°28	23°23	10° 0	9°25	11°10	22°10	15°R27	16°22	9°18	29°27	T 24
W25	18 39 25	9°30'15	18°12	25° 1	5°27	17° 7	23°34	9°56	9°28	11° 9	22°11	15°27	16°19	9°24	29°29	W25
T 26	18 43 22	10°27'26	2♏22	24°43	6°38	17°45	23°45	9°53	9°32	11° 8	22°13	15°25	16°16	9°31	29°30	T 26
F 27	18 47 18	11°24'38	16°30	24°20	7°48	18°24	23°56	9°49	9°36	11° 8	22°15	15°21	16°13	9°38	29°32	F 27
S 28	18 51 15	12°21'51	0♐35	23°54	8°59	19° 2	24° 7	9°45	9°39	11° 7	22°16	15°14	16°10	9°44	29°34	S 28
S 29	18 55 11	13°19'03	14°33	23°23	10°10	19°41	24°18	9°42	9°43	11° 6	22°18	15° 6	16° 7	9°51	29°35	S 29
M30	18 59 8	14♋16'16	28♐20	22♋49	11♊21	20♋19	24♌30	9♒38	9♋46	11♓ 6	22♋20	14♍56	16♍ 3	9♈58	29♈37	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	16s26	4n54	24n38	1n33	12n 1	2s11	24n31	0n59	16n 0	1n 3	18s25	0s54	23n39	0n22	8s24	1s 6	25n38	3n53	4n52	4n55	1n 8	11n25	0n27
M 2	22 57	18 7	5 1	24 24	1 26	12 23	2 10	24 31	0 59	15 58	1 3	18 25	0 54	23 39	0 22	8 24	1 6	25 38	3 53	4 56	4 57	1 10	11 26	0 27
T 3	23 3	18 41	4 49	24 10	1 18	12 46	2 9	24 30	1 0	15 55	1 3	18 26	0 54	23 39	0 22	8 24	1 6	25 37	3 53	5 1	4 58	1 12	11 27	0 27
W 4	23 7	18 9	4 22	23 54	1 10	13 8	2 8	24 29	1 0	15 52	1 3	18 27	0 55	23 39	0 22	8 24	1 6	25 37	3 53	5 5	4 59	1 14	11 28	0 27
T 5	23 12	16 39	3 41	23 37	1 1	13 30	2 8	24 28	1 0	15 49	1 3	18 27	0 55	23 38	0 22	8 24	1 6	25 37	3 53	5 8	5 0	1 16	11 29	0 27
F 6	23 16	14 20	2 50	23 20	0 51	13 52	2 7	24 27	1 0	15 46	1 3	18 28	0 55	23 38	0 22	8 24	1 6	25 37	3 53	5 11	5 2	1 17	11 30	0 26
S 7	23 19	11 26	1 52	23 2	0 41	14 14	2 6	24 26	1 1	15 43	1 3	18 29	0 55	23 38	0 22	8 24	1 6	25 37	3 53	5 12	5 3	1 19	11 31	0 26
S 8	23 22	8 5	0 50	22 43	0 30	14 35	2 4	24 25	1 1	15 39	1 3	18 30	0 55	23 38	0 22	8 24	1 6	25 36	3 53	5 13	5 4	1 21	11 32	0 26
M 9	23 25	4 28	0s13	22 25	0 19	14 56	2 3	24 23	1 1	15 36	1 3	18 30	0 55	23 38	0 22	8 24	1 6	25 36	3 53	5 13	5 5	1 23	11 32	0 26
T 10	23 27	0 42	1 15	22 5	0 7	15 17	2 2	24 21	1 1	15 33	1 2	18 31	0 56	23 37	0 22	8 24	1 6	25 36	3 53	5 13	5 7	1 25	11 33	0 26
W11	23 29	3n 4	2 14	21 46	0s 5	15 37	2 1	24 19	1 1	15 30	1 2	18 32	0 56	23 37	0 22	8 24	1 6	25 36	3 53	5 13	5 8	1 27	11 34	0 26
T 12	23 31	6 44	3 7	21 26	0 18	15 58	1 59	24 17	1 2	15 27	1 2	18 33	0 56	23 37	0 22	8 24	1 6	25 35	3 53	5 14	5 9	1 29	11 35	0 26
F 13	23 32	10 11	3 52	21 7	0 31	16 17	1 58	24 14	1 2	15 23	1 2	18 34	0 56	23 37	0 22	8 24	1 6	25 35	3 53	5 16	5 10	1 31	11 36	0 26
S 14	23 32	13 15	4 28	20 47	0 45	16 37	1 56	24 12	1 2	15 20	1 2	18 35	0 56	23 36	0 22	8 25	1 6	25 35	3 53	5 19	5 12	1 32	11 36	0 26
S 15	23 32	15 47	4 52	20 28	0 59	16 56	1 54	24 9	1 2	15 17	1 2	18 35	0 56	23 36	0 22	8 25	1 6	25 35	3 53	5 23	5 13	1 34	11 37	0 26
M16	23 32	17 37	5 1	20 9	1 13	17 15	1 53	24 6	1 3	15 13	1 2	18 36	0 56	23 36	0 22	8 25	1 6	25 34	3 53	5 28	5 14	1 36	11 38	0 26
T 17	23 32	18 35	4 56	19 51	1 28	17 33	1 51	24 2	1 3	15 10	1 2	18 37	0 57	23 36	0 22	8 25	1 7	25 34	3 53	5 32	5 15	1 38	11 39	0 26
W18	23 31	18 33	4 34	19 33	1 43	17 51	1 49	23 59	1 3	15 6	1 2	18 38	0 57	23 35	0 22	8 25	1 7	25 34	3 53	5 37	5 16	1 40	11 39	0 26
T 19	23 29	17 28	3 57	19 15	1 58	18 9	1 47	23 56	1 3	15 3	1 2	18 39	0 57	23 35	0 22	8 25	1 7	25 34	3 53	5 40	5 18	1 42	11 40	0 26
F 20	23 27	15 22	3 5	18 59	2 13	18 26	1 45	23 52	1 3	14 59	1 2	18 40	0 57	23 35	0 22	8 26	1 7	25 34	3 53	5 43	5 19	1 44	11 41	0 26
S 21	23 25	12 21	2 2	18 43	2 28	18 43	1 43	23 48	1 4	14 56	1 2	18 41	0 57	23 35	0 22	8 26	1 7	25 33	3 53	5 45	5 20	1 46	11 41	0 26
S 22	23 22	8 37	0 51	18 28	2 43	18 59	1 41	23 44	1 4	14 52	1 2	18 42	0 57	23 34	0 22	8 26	1 7	25 33	3 53	5 46	5 21	1 47	11 42	0 26
M23	23 19	4 22	0n24	18 14	2 58	19 15	1 39	23 39	1 4	14 49	1 2	18 43	0 57	23 34	0 22	8 26	1 7	25 33	3 53	5 46	5 23	1 49	11 43	0 26
T 24	23 16	0s 8	1 38	18 2	3 12	19 30	1 37	23 35	1 4	14 45	1 1	18 44	0 58	23 34	0 22	8 26	1 7	25 33	3 53	5 46	5 24	1 51	11 43	0 26
W25	23 12	4 37	2 45	17 50	3 26	19 45	1 35	23 30	1 4	14 41	1 1	18 46	0 58	23 34	0 22	8 27	1 7	25 32	3 53	5 46	5 25	1 53	11 44	0 26
T 26	23 8	8 51	3 43	17 40	3 40	20 0	1 32	23 25	1 5	14 38	1 1	18 47	0 58	23 33	0 22	8 27	1 7	25 32	3 53	5 46	5 26	1 55	11 44	0 25
F 27	23 3	12 35	4 27	17 32	3 52	20 14	1 30	23 20	1 5	14 34	1 1	18 48	0 58	23 33	0 22	8 27	1 7	25 32	3 53	5 48	5 28	1 57	11 45	0 25
S 28	22 58	15 34	4 54	17 24	4 4	20 27	1 28	23 15	1 5	14 30	1 1	18 49	0 58	23 33	0 22	8 28	1 7	25 32	3 53	5 51	5 29	1 59	11 46	0 25
S 29	22 52	17 36	5 4	17 19	4 15	20 40	1 25	23 10	1 5	14 26	1 1	18 50	0 58	23 33	0 22	8 28	1 7	25 31	3 53	5 54	5 30	2 1	11 46	0 25
M30	22n46	18s36	4n56	17n15	4s25	20n52	1s23	23n 4	1n 5	14n22	1n 1	18s51	0s58	23n32	0n22	8s28	1s 7	25n31	3n54	5n58	5n31	2n 2	11n47	0n25

Julian Day Number = 2158413.5, Delta T = 13m27s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°32'58, Lahiri = 12°39'58 Julian Calendar 1 June 1197 == Greg. Calendar 8 June 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

JULY 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 5	15♋13'29	11♉52	22°R13	12♊32	20♋58	24♌41	9°R34	9♋50	11°R 5	22♋21	14°R46	16♍ 0	10♈ 4	29♈38	T 1
W 2	19 7 1	16°10'43	25° 8	21♋33	13°43	21°36	24°52	9♒30	9°54	11♓ 4	22°23	14♍37	15°57	10°11	29°40	W 2
T 3	19 10 58	17° 7'57	8♒ 5	20°52	14°55	22°15	25° 4	9°26	9°57	11° 3	22°25	14°30	15°54	10°18	29°41	T 3
F 4	19 14 54	18° 5'12	20°44	20°10	16° 6	22°53	25°15	9°22	10° 1	11° 3	22°26	14°25	15°51	10°24	29°43	F 4
S 5	19 18 51	19° 2'28	3♓ 5	19°28	17°17	23°31	25°27	9°18	10° 5	11° 2	22°28	14°23	15°48	10°31	29°44	S 5
S 6	19 22 47	19°59'45	15°13	18°46	18°28	24°10	25°39	9°14	10° 8	11° 1	22°30	14°D22	15°44	10°38	29°45	S 6
M 7	19 26 44	20°57'02	27° 9	18° 5	19°40	24°48	25°50	9°10	10°12	11° 0	22°31	14°23	15°41	10°44	29°46	M 7
T 8	19 30 40	21°54'21	8♈59	17°27	20°51	25°27	26° 2	9° 6	10°15	10°59	22°33	14°24	15°38	10°51	29°47	T 8
W 9	19 34 37	22°51'40	20°49	16°50	22° 3	26° 5	26°14	9° 1	10°19	10°58	22°35	14°R25	15°35	10°57	29°49	W 9
T 10	19 38 34	23°49'01	2♉43	16°17	23°15	26°43	26°26	8°57	10°23	10°57	22°37	14°24	15°32	11° 4	29°50	T 10
F 11	19 42 30	24°46'22	14°46	15°48	24°26	27°22	26°38	8°53	10°26	10°56	22°38	14°22	15°28	11°11	29°51	F 11
S 12	19 46 27	25°43'45	27° 3	15°24	25°38	28° 0	26°50	8°49	10°30	10°55	22°40	14°18	15°25	11°17	29°51	S 12
S 13	19 50 23	26°41'09	9♊38	15° 5	26°50	28°38	27° 2	8°44	10°33	10°54	22°42	14°12	15°22	11°24	29°52	S 13
M14	19 54 20	27°38'34	22°33	14°51	28° 2	29°17	27°14	8°40	10°37	10°53	22°43	14° 5	15°19	11°31	29°53	M14
T 15	19 58 16	28°36'01	5♋50	14°43	29°13	29°55	27°26	8°35	10°40	10°52	22°45	13°57	15°16	11°37	29°54	T 15
W16	20 2 13	29°33'28	19°27	14°D41	0♋25	0♌33	27°38	8°31	10°44	10°51	22°47	13°50	15°13	11°44	29°55	W16
T 17	20 6 9	0♌30'57	3♌22	14°46	1°37	1°12	27°50	8°27	10°47	10°50	22°48	13°44	15° 9	11°51	29°55	T 17
F 18	20 10 6	1°28'26	17°32	14°57	2°50	1°50	28° 2	8°22	10°51	10°48	22°50	13°40	15° 6	11°57	29°56	F 18
S 19	20 14 3	2°25'56	1♍51	15°15	4° 2	2°28	28°15	8°18	10°54	10°47	22°52	13°37	15° 3	12° 4	29°56	S 19
S 20	20 17 59	3°23'28	16°14	15°39	5°14	3° 7	28°27	8°13	10°58	10°46	22°54	13°D37	15° 0	12°11	29°57	S 20
M21	20 21 56	4°21'00	0♎38	16°10	6°26	3°45	28°39	8° 9	11° 1	10°45	22°55	13°37	14°57	12°17	29°57	M21
T 22	20 25 52	5°18'33	14°58	16°48	7°38	4°23	28°52	8° 4	11° 5	10°44	22°57	13°39	14°54	12°24	29°58	T 22
W23	20 29 49	6°16'07	29°12	17°33	8°51	5° 1	29° 4	8° 0	11° 8	10°42	22°59	13°40	14°50	12°31	29°58	W23
T 24	20 33 45	7°13'42	13♏18	18°24	10° 3	5°40	29°17	7°55	11°11	10°41	23° 0	13°R40	14°47	12°37	29°58	T 24
F 25	20 37 42	8°11'17	27°14	19°22	11°15	6°18	29°29	7°51	11°15	10°40	23° 2	13°38	14°44	12°44	29°58	F 25
S 26	20 41 38	9° 8'54	11♐ 0	20°26	12°28	6°56	29°42	7°46	11°18	10°38	23° 3	13°36	14°41	12°51	29°59	S 26
S 27	20 45 35	10° 6'32	24°34	21°36	13°41	7°34	29°54	7°42	11°21	10°37	23° 5	13°31	14°38	12°57	29°59	S 27
M28	20 49 32	11° 4'11	7♑56	22°51	14°53	8°13	0♍ 7	7°37	11°25	10°36	23° 7	13°26	14°34	13° 4	29°R59	M28
T 29	20 53 28	12° 1'51	21° 4	24°12	16° 6	8°51	0°20	7°33	11°28	10°34	23° 8	13°21	14°31	13°11	29°59	T 29
W30	20 57 25	12°59'33	3♒58	25°39	17°18	9°29	0°32	7°28	11°31	10°33	23°10	13°17	14°28	13°17	29°59	W30
T 31	21 1 21	13♌57'15	16♒38	27♋10	18♋31	10♌ 7	0♍45	7♒24	11♋34	10♓31	23♋12	13♍13	14♍25	13♈24	29♈58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n40	18s30	4n31	17n12	4s34	21n 4	1s20	22n59	1n 5	14n19	1n 1	18s52	0s59	23n32	0n22	8s28	1s 7	25n31	3n54	6n 1	5n33	2n 4	11n47	0n25
W 2	22 33	17 23	3 52	17 11	4 41	21 16	1 18	22 53	1 6	14 15	1 1	18 54	0 59	23 32	0 22	8 29	1 7	25 31	3 54	6 5	5 34	2 6	11 48	0 25
T 3	22 26	15 24	3 2	17 12	4 46	21 26	1 15	22 47	1 6	14 11	1 1	18 55	0 59	23 32	0 22	8 29	1 7	25 31	3 54	6 8	5 35	2 8	11 48	0 25
F 4	22 19	12 42	2 3	17 14	4 50	21 37	1 12	22 40	1 6	14 7	1 1	18 56	0 59	23 31	0 22	8 29	1 7	25 30	3 54	6 9	5 36	2 10	11 48	0 25
S 5	22 11	9 29	1 0	17 18	4 52	21 46	1 10	22 34	1 6	14 3	1 1	18 57	0 59	23 31	0 22	8 30	1 7	25 30	3 54	6 10	5 38	2 12	11 49	0 25
S 6	22 3	5 55	0s 5	17 23	4 53	21 55	1 7	22 27	1 6	13 59	1 1	18 58	0 59	23 31	0 22	8 30	1 7	25 30	3 54	6 11	5 39	2 14	11 49	0 25
M 7	21 54	2 11	1 8	17 30	4 52	22 4	1 4	22 21	1 6	13 55	1 1	19 0	0 59	23 31	0 22	8 31	1 7	25 30	3 54	6 10	5 40	2 16	11 50	0 25
T 8	21 45	1n36	2 9	17 38	4 49	22 12	1 2	22 14	1 6	13 51	1 1	19 1	0 59	23 30	0 22	8 31	1 7	25 29	3 54	6 10	5 41	2 17	11 50	0 25
W 9	21 36	5 20	3 4	17 47	4 44	22 19	0 59	22 7	1 7	13 47	1 1	19 2	1 0	23 30	0 22	8 31	1 7	25 29	3 54	6 10	5 42	2 19	11 50	0 25
T 10	21 26	8 51	3 51	17 57	4 38	22 26	0 56	21 59	1 7	13 43	1 1	19 3	1 0	23 30	0 22	8 32	1 7	25 29	3 54	6 10	5 44	2 21	11 51	0 25
F 11	21 16	12 3	4 28	18 8	4 30	22 32	0 53	21 52	1 7	13 39	1 1	19 4	1 0	23 29	0 22	8 32	1 8	25 29	3 54	6 11	5 45	2 23	11 51	0 25
S 12	21 5	14 48	4 55	18 20	4 21	22 37	0 51	21 45	1 7	13 34	1 1	19 6	1 0	23 29	0 22	8 33	1 8	25 29	3 54	6 12	5 46	2 25	11 51	0 25
S 13	20 54	16 55	5 7	18 33	4 10	22 42	0 48	21 37	1 7	13 30	1 1	19 7	1 0	23 29	0 22	8 33	1 8	25 28	3 54	6 15	5 47	2 27	11 51	0 25
M14	20 43	18 15	5 5	18 46	3 58	22 47	0 45	21 29	1 7	13 26	1 1	19 8	1 0	23 29	0 22	8 33	1 8	25 28	3 54	6 17	5 49	2 29	11 52	0 25
T 15	20 32	18 39	4 46	18 59	3 45	22 50	0 42	21 21	1 7	13 22	1 1	19 9	1 0	23 28	0 22	8 34	1 8	25 28	3 55	6 20	5 50	2 31	11 52	0 24
W16	20 20	17 59	4 11	19 13	3 32	22 53	0 39	21 13	1 7	13 18	1 1	19 11	1 0	23 28	0 22	8 34	1 8	25 28	3 55	6 23	5 51	2 32	11 52	0 24
T 17	20 8	16 14	3 21	19 27	3 17	22 55	0 36	21 5	1 8	13 13	1 1	19 12	1 0	23 28	0 22	8 35	1 8	25 27	3 55	6 25	5 52	2 34	11 52	0 24
F 18	19 55	13 28	2 17	19 41	3 2	22 57	0 34	20 56	1 8	13 9	1 1	19 13	1 0	23 28	0 22	8 35	1 8	25 27	3 55	6 27	5 54	2 36	11 52	0 24
S 19	19 42	9 52	1 4	19 54	2 47	22 58	0 31	20 48	1 8	13 5	1 0	19 15	1 1	23 27	0 22	8 36	1 8	25 27	3 55	6 28	5 55	2 38	11 53	0 24
S 20	19 29	5 40	0n14	20 7	2 31	22 58	0 28	20 39	1 8	13 0	1 0	19 16	1 1	23 27	0 22	8 36	1 8	25 27	3 55	6 28	5 56	2 40	11 53	0 24
M21	19 15	1 9	1 31	20 20	2 14	22 58	0 25	20 30	1 8	12 56	1 0	19 17	1 1	23 27	0 22	8 37	1 8	25 27	3 55	6 28	5 57	2 42	11 53	0 24
T 22	19 1	3s25	2 42	20 31	1 58	22 57	0 22	20 21	1 8	12 52	1 0	19 18	1 1	23 27	0 22	8 37	1 8	25 26	3 55	6 27	5 59	2 44	11 53	0 24
W23	18 47	7 46	3 43	20 42	1 42	22 55	0 19	20 12	1 8	12 47	1 0	19 20	1 1	23 26	0 22	8 38	1 8	25 26	3 55	6 27	6 0	2 46	11 53	0 24
T 24	18 33	11 37	4 29	20 51	1 26	22 53	0 16	20 2	1 8	12 43	1 0	19 21	1 1	23 26	0 22	8 38	1 8	25 26	3 55	6 27	6 1	2 47	11 53	0 24
F 25	18 18	14 46	4 59	20 59	1 10	22 50	0 14	19 53	1 8	12 39	1 0	19 22	1 1	23 26	0 22	8 39	1 8	25 26	3 55	6 28	6 2	2 49	11 53	0 24
S 26	18 3	17 3	5 12	21 5	0 54	22 47	0 11	19 43	1 9	12 34	1 0	19 23	1 1	23 25	0 22	8 39	1 8	25 26	3 55	6 29	6 3	2 51	11 53	0 24
S 27	17 47	18 20	5 6	21 10	0 39	22 42	0 8	19 34	1 9	12 30	1 0	19 25	1 1	23 25	0 22	8 40	1 8	25 26	3 56	6 30	6 5	2 53	11 53	0 24
M28	17 31	18 35	4 44	21 12	0 24	22 37	0 5	19 24	1 9	12 25	1 0	19 26	1 1	23 25	0 22	8 41	1 8	25 25	3 56	6 32	6 6	2 55	11 53	0 24
T 29	17 15	17 49	4 7	21 12	0 10	22 32	0 2	19 14	1 9	12 21	1 0	19 27	1 1	23 25	0 22	8 41	1 8	25 25	3 56	6 34	6 7	2 57	11 53	0 24
W30	16 59	16 8	3 18	21 10	0n 4	22 25	0n 1	19 4	1 9	12 16	1 0	19 28	1 2	23 24	0 22	8 42	1 8	25 25	3 56	6 36	6 8	2 59	11 53	0 24
T 31	16n43	13s41	2n21	21n 5	0n17	22n19	0n 3	18n53	1n 9	12n12	1n 0	19s30	1s 2	23n24	0n22	8s42	1s 8	25n25	3n56	6n37	6n10	3n 1	11n53	0n24

Julian Day Number = 2158443.5, Delta T = 13m27s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'02, Lahiri = 12°40'02 Julian Calendar 1 July 1197 == Greg. Calendar 8 July 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

AUGUST 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 5 18	14♌54'59	29♒ 3	28♋46	19♋44	10♌45	0♍58	7°R19	11♋38	10°R30	23♋13	13°R11	14♍22	13♈31	29°R58	F 1
S 2	21 9 14	15°52'45	11♓16	0♌26	20°57	11°24	1°11	7♒15	11°41	10♓28	23°15	13°D10	14°19	13°37	29♈58	S 2
S 3	21 13 11	16°50'32	23°18	2° 9	22°10	12° 2	1°23	7°10	11°44	10°27	23°16	13♍10	14°15	13°44	29°58	S 3
M 4	21 17 7	17°48'21	5♈12	3°56	23°23	12°40	1°36	7° 6	11°47	10°26	23°18	13°12	14°12	13°51	29°57	M 4
T 5	21 21 4	18°46'11	17° 1	5°46	24°36	13°18	1°49	7° 2	11°50	10°24	23°20	13°13	14° 9	13°57	29°57	T 5
W 6	21 25 1	19°44'03	28°50	7°38	25°49	13°56	2° 2	6°57	11°53	10°23	23°21	13°15	14° 6	14° 4	29°56	W 6
T 7	21 28 57	20°41'57	10♉44	9°32	27° 2	14°35	2°15	6°53	11°56	10°21	23°23	13°16	14° 3	14°11	29°56	T 7
F 8	21 32 54	21°39'53	22°46	11°27	28°15	15°13	2°28	6°49	11°59	10°19	23°24	13°R16	13°59	14°17	29°55	F 8
S 9	21 36 50	22°37'51	5♊ 3	13°24	29°28	15°51	2°40	6°44	12° 2	10°18	23°26	13°16	13°56	14°24	29°55	S 9
S 10	21 40 47	23°35'51	17°37	15°21	0♌42	16°29	2°53	6°40	12° 5	10°16	23°27	13°14	13°53	14°31	29°54	S 10
M11	21 44 43	24°33'52	0♋34	17°19	1°55	17° 7	3° 6	6°36	12° 8	10°15	23°29	13°12	13°50	14°37	29°53	M11
T 12	21 48 40	25°31'56	13°54	19°18	3° 8	17°46	3°19	6°32	12°11	10°13	23°30	13°10	13°47	14°44	29°52	T 12
W13	21 52 36	26°30'01	27°40	21°16	4°22	18°24	3°32	6°28	12°14	10°12	23°32	13° 8	13°44	14°51	29°51	W13
T 14	21 56 33	27°28'08	11♌48	23°13	5°35	19° 2	3°45	6°24	12°17	10°10	23°33	13° 6	13°40	14°57	29°50	T 14
F 15	22 0 30	28°26'17	26°16	25°11	6°49	19°40	3°58	6°20	12°20	10° 8	23°35	13° 4	13°37	15° 4	29°49	F 15
S 16	22 4 26	29°24'28	10♍58	27° 8	8° 2	20°18	4°11	6°16	12°22	10° 7	23°36	13°D 4	13°34	15°11	29°48	S 16
S 17	22 8 23	0♍22'41	25°46	29° 4	9°16	20°57	4°24	6°12	12°25	10° 5	23°37	13° 4	13°31	15°17	29°47	S 17
M18	22 12 19	1°20'54	10♎35	0♍59	10°30	21°35	4°37	6° 8	12°28	10° 3	23°39	13° 5	13°28	15°24	29°46	M18
T 19	22 16 16	2°19'10	25°16	2°53	11°43	22°13	4°50	6° 4	12°30	10° 2	23°40	13° 6	13°25	15°31	29°45	T 19
W20	22 20 12	3°17'27	9♏45	4°46	12°57	22°51	5° 3	6° 0	12°33	10° 0	23°42	13° 7	13°21	15°37	29°44	W20
T 21	22 24 9	4°15'46	23°58	6°39	14°11	23°29	5°16	5°57	12°36	9°59	23°43	13° 7	13°18	15°44	29°42	T 21
F 22	22 28 5	5°14'06	7♐54	8°30	15°25	24° 7	5°29	5°53	12°38	9°57	23°44	13°R 7	13°15	15°51	29°41	F 22
S 23	22 32 2	6°12'28	21°31	10°20	16°39	24°46	5°42	5°49	12°41	9°55	23°46	13° 7	13°12	15°57	29°40	S 23
S 24	22 35 59	7°10'52	4♑50	12° 9	17°53	25°24	5°55	5°46	12°43	9°54	23°47	13° 6	13° 9	16° 4	29°38	S 24
M25	22 39 55	8° 9'17	17°52	13°57	19° 7	26° 2	6° 8	5°42	12°46	9°52	23°48	13° 6	13° 5	16°11	29°37	M25
T 26	22 43 52	9° 7'44	0♒39	15°44	20°21	26°40	6°21	5°39	12°48	9°50	23°50	13° 5	13° 2	16°17	29°35	T 26
W27	22 47 48	10° 6'12	13°13	17°30	21°35	27°18	6°34	5°36	12°50	9°49	23°51	13° 5	12°59	16°24	29°33	W27
T 28	22 51 45	11° 4'42	25°34	19°14	22°49	27°56	6°47	5°32	12°53	9°47	23°52	13° 5	12°56	16°31	29°32	T 28
F 29	22 55 41	12° 3'15	7♓45	20°58	24° 3	28°35	7° 0	5°29	12°55	9°45	23°53	13° 5	12°53	16°37	29°30	F 29
S 30	22 59 38	13° 1'49	19°48	22°40	25°17	29°13	7°13	5°26	12°57	9°44	23°55	13° 5	12°50	16°44	29°28	S 30
S 31	23 3 34	14♍ 0'25	1♈43	24♍22	26♌31	29♌51	7♍26	5♒23	12♋59	9♓42	23♋56	13♍ 5	12♍46	16♈51	29♈27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n26	10s39	1n17	20n58	0n29	22n11	0n 6	18n43	1n 9	12n 7	1n 0	19s31	1s 2	23n24	0n22	8s43	1s 8	25n25	3n56	6n38	6n11	3n 2	11n53	0n24
S 2	16 9	7 13	0 10	20 48	0 40	22 3	0 9	18 32	1 9	12 3	1 0	19 32	1 2	23 24	0 22	8 43	1 8	25 24	3 56	6 39	6 12	3 4	11 52	0 24
S 3	15 51	3 31	0s55	20 35	0 51	21 54	0 11	18 22	1 9	11 58	1 0	19 33	1 2	23 23	0 22	8 44	1 8	25 24	3 56	6 38	6 13	3 6	11 52	0 23
M 4	15 34	0n16	1 58	20 20	1 0	21 44	0 14	18 11	1 9	11 53	1 0	19 34	1 2	23 23	0 22	8 45	1 8	25 24	3 56	6 38	6 15	3 8	11 52	0 23
T 5	15 16	4 0	2 56	20 1	1 9	21 34	0 17	18 0	1 9	11 49	1 0	19 36	1 2	23 23	0 22	8 45	1 8	25 24	3 57	6 37	6 16	3 10	11 52	0 23
W 6	14 58	7 35	3 46	19 41	1 17	21 23	0 19	17 49	1 9	11 44	1 0	19 37	1 2	23 23	0 22	8 46	1 8	25 24	3 57	6 37	6 17	3 12	11 52	0 23
T 7	14 39	10 53	4 26	19 17	1 24	21 12	0 22	17 38	1 9	11 40	1 0	19 38	1 2	23 22	0 22	8 46	1 8	25 24	3 57	6 36	6 18	3 14	11 51	0 23
F 8	14 21	13 46	4 56	18 51	1 29	21 0	0 25	17 27	1 9	11 35	1 0	19 39	1 2	23 22	0 22	8 47	1 8	25 23	3 57	6 36	6 19	3 16	11 51	0 23
S 9	14 2	16 6	5 13	18 23	1 34	20 47	0 27	17 16	1 10	11 30	1 1	19 40	1 2	23 22	0 22	8 48	1 8	25 23	3 57	6 36	6 21	3 17	11 51	0 23
S 10	13 43	17 44	5 15	17 52	1 39	20 34	0 30	17 4	1 10	11 26	1 1	19 41	1 2	23 22	0 22	8 48	1 8	25 23	3 57	6 37	6 22	3 19	11 51	0 23
M11	13 23	18 31	5 1	17 19	1 42	20 20	0 32	16 52	1 10	11 21	1 1	19 42	1 2	23 21	0 22	8 49	1 8	25 23	3 57	6 38	6 23	3 21	11 50	0 23
T 12	13 4	18 18	4 32	16 45	1 44	20 6	0 35	16 41	1 10	11 16	1 1	19 43	1 2	23 21	0 22	8 49	1 8	25 23	3 57	6 39	6 24	3 23	11 50	0 23
W13	12 44	17 2	3 46	16 9	1 46	19 51	0 37	16 29	1 10	11 12	1 1	19 45	1 2	23 21	0 22	8 50	1 8	25 23	3 57	6 39	6 26	3 25	11 50	0 23
T 14	12 24	14 41	2 45	15 31	1 47	19 35	0 39	16 17	1 10	11 7	1 1	19 46	1 2	23 21	0 22	8 51	1 8	25 23	3 58	6 40	6 27	3 27	11 49	0 23
F 15	12 4	11 23	1 32	14 52	1 47	19 19	0 42	16 5	1 10	11 2	1 1	19 47	1 2	23 20	0 22	8 51	1 9	25 22	3 58	6 41	6 28	3 29	11 49	0 23
S 16	11 44	7 18	0 12	14 11	1 47	19 2	0 44	15 53	1 10	10 57	1 1	19 48	1 2	23 20	0 22	8 52	1 9	25 22	3 58	6 41	6 29	3 31	11 48	0 23
S 17	11 23	2 45	1n10	13 30	1 45	18 45	0 46	15 41	1 10	10 53	1 1	19 49	1 2	23 20	0 22	8 53	1 9	25 22	3 58	6 41	6 30	3 33	11 48	0 23
M18	11 2	1s57	2 27	12 47	1 44	18 27	0 48	15 28	1 10	10 48	1 1	19 50	1 3	23 20	0 23	8 53	1 9	25 22	3 58	6 40	6 32	3 34	11 47	0 23
T 19	10 42	6 30	3 33	12 4	1 42	18 9	0 50	15 16	1 10	10 43	1 1	19 51	1 3	23 19	0 23	8 54	1 9	25 22	3 58	6 40	6 33	3 36	11 47	0 23
W20	10 21	10 36	4 25	11 20	1 39	17 50	0 52	15 3	1 10	10 38	1 1	19 52	1 3	23 19	0 23	8 54	1 9	25 22	3 58	6 40	6 34	3 38	11 46	0 23
T 21	9 59	14 0	5 0	10 35	1 36	17 31	0 54	14 51	1 10	10 34	1 1	19 53	1 3	23 19	0 23	8 55	1 9	25 22	3 59	6 40	6 35	3 40	11 46	0 22
F 22	9 38	16 31	5 16	9 50	1 32	17 11	0 56	14 38	1 10	10 29	1 1	19 54	1 3	23 19	0 23	8 56	1 9	25 22	3 59	6 40	6 37	3 42	11 45	0 22
S 23	9 16	18 3	5 14	9 5	1 28	16 50	0 58	14 25	1 10	10 24	1 1	19 54	1 3	23 19	0 23	8 56	1 9	25 22	3 59	6 40	6 38	3 44	11 45	0 22
S 24	8 55	18 32	4 55	8 19	1 24	16 30	1 0	14 12	1 10	10 19	1 1	19 55	1 3	23 18	0 23	8 57	1 9	25 21	3 59	6 40	6 39	3 46	11 44	0 22
M25	8 33	18 2	4 21	7 33	1 19	16 8	1 2	14 0	1 10	10 15	1 1	19 56	1 3	23 18	0 23	8 58	1 9	25 21	3 59	6 40	6 40	3 48	11 44	0 22
T 26	8 11	16 36	3 35	6 47	1 14	15 46	1 4	13 46	1 10	10 10	1 1	19 57	1 3	23 18	0 23	8 58	1 9	25 21	3 59	6 40	6 41	3 49	11 43	0 22
W27	7 49	14 23	2 39	6 1	1 8	15 24	1 5	13 33	1 10	10 5	1 1	19 58	1 3	23 18	0 23	8 59	1 9	25 21	3 59	6 40	6 43	3 51	11 42	0 22
T 28	7 27	11 33	1 36	5 14	1 3	15 2	1 7	13 20	1 10	10 0	1 1	19 59	1 3	23 18	0 23	9 0	1 9	25 21	3 59	6 41	6 44	3 53	11 42	0 22
F 29	7 4	8 14	0 30	4 28	0 57	14 38	1 9	13 7	1 10	9 55	1 1	20 0	1 3	23 17	0 23	9 0	1 9	25 21	4 0	6 41	6 45	3 55	11 41	0 22
S 30	6 42	4 38	0s37	3 42	0 51	14 15	1 10	12 53	1 10	9 51	1 1	20 0	1 3	23 17	0 23	9 1	1 9	25 21	4 0	6 41	6 46	3 57	11 40	0 22
S 31	6n19	0s52	1s42	2n56	0n45	13n51	1n12	12n40	1n10	9n46	1n 1	20s 1	1s 3	23n17	0n23	9s 1	1s 9	25n21	4n 0	6n41	6n48	3n59	11n40	0n22

Julian Day Number = 2158474.5, Delta T = 13m27s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'06, Lahiri = 12°40'06 Julian Calendar 1 Aug. 1197 == Greg. Calendar 8 Aug. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

SEPTEMBER 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 7 31	14♍59'03	13♈34	26♍ 2	27♌45	0♍29	7♍39	5°R20	13♋ 2	9°R40	23♋57	13°R 4	12♍43	16♈57	29°R25	M 1
T 2	23 11 27	15°57'43	25°23	27°42	29° 0	1° 7	7°52	5♒17	13° 4	9♓39	23°58	13♍ 4	12°40	17° 4	29♈23	T 2
W 3	23 15 24	16°56'25	7♉13	29°20	0♍14	1°46	8° 5	5°14	13° 6	9°37	23°59	13° 4	12°37	17°11	29°21	W 3
T 4	23 19 21	17°55'10	19° 6	0♎58	1°28	2°24	8°18	5°12	13° 8	9°35	24° 0	13° 3	12°34	17°17	29°19	T 4
F 5	23 23 17	18°53'57	1♊ 8	2°34	2°43	3° 2	8°31	5° 9	13°10	9°34	24° 1	13° 3	12°30	17°24	29°17	F 5
S 6	23 27 14	19°52'46	13°22	4°10	3°57	3°40	8°44	5° 7	13°12	9°32	24° 2	13° 2	12°27	17°31	29°15	S 6
S 7	23 31 10	20°51'38	25°53	5°45	5°12	4°18	8°57	5° 4	13°14	9°31	24° 3	13°D 2	12°24	17°37	29°13	S 7
M 8	23 35 7	21°50'31	8♋45	7°19	6°26	4°57	9°10	5° 2	13°15	9°29	24° 5	13° 3	12°21	17°44	29°11	M 8
T 9	23 39 3	22°49'28	22° 0	8°51	7°41	5°35	9°23	4°59	13°17	9°27	24° 6	13° 3	12°18	17°51	29° 8	T 9
W10	23 43 0	23°48'26	5♌42	10°23	8°55	6°13	9°36	4°57	13°19	9°26	24° 7	13° 4	12°15	17°57	29° 6	W10
T 11	23 46 56	24°47'27	19°50	11°55	10°10	6°51	9°48	4°55	13°21	9°24	24° 7	13° 5	12°11	18° 4	29° 4	T 11
F 12	23 50 53	25°46'30	4♍24	13°25	11°25	7°29	10° 1	4°53	13°22	9°23	24° 8	13° 6	12° 8	18°11	29° 2	F 12
S 13	23 54 50	26°45'35	19°17	14°54	12°39	8° 8	10°14	4°51	13°24	9°21	24° 9	13°R 6	12° 5	18°17	28°59	S 13
S 14	23 58 46	27°44'42	4♎23	16°22	13°54	8°46	10°27	4°49	13°26	9°19	24°10	13° 5	12° 2	18°24	28°57	S 14
M15	0 2 43	28°43'51	19°32	17°50	15° 9	9°24	10°39	4°48	13°27	9°18	24°11	13° 4	11°59	18°31	28°54	M15
T 16	0 6 39	29°43'03	4♏36	19°17	16°23	10° 2	10°52	4°46	13°28	9°16	24°12	13° 2	11°56	18°37	28°52	T 16
W17	0 10 36	0♎42'16	19°25	20°42	17°38	10°41	11° 5	4°44	13°30	9°15	24°13	13° 0	11°52	18°44	28°49	W17
T 18	0 14 32	1°41'31	3♐53	22° 7	18°53	11°19	11°17	4°43	13°31	9°13	24°14	12°58	11°49	18°51	28°47	T 18
F 19	0 18 29	2°40'48	17°57	23°31	20° 8	11°57	11°30	4°42	13°33	9°12	24°14	12°56	11°46	18°57	28°44	F 19
S 20	0 22 25	3°40'06	1♑35	24°53	21°23	12°35	11°42	4°40	13°34	9°10	24°15	12°D55	11°43	19° 4	28°42	S 20
S 21	0 26 22	4°39'27	14°49	26°15	22°38	13°14	11°55	4°39	13°35	9° 9	24°16	12°56	11°40	19°11	28°39	S 21
M22	0 30 19	5°38'49	27°42	27°36	23°53	13°52	12° 7	4°38	13°36	9° 7	24°17	12°57	11°36	19°17	28°37	M22
T 23	0 34 15	6°38'13	10♒16	28°55	25° 8	14°30	12°20	4°37	13°37	9° 6	24°17	12°58	11°33	19°24	28°34	T 23
W24	0 38 12	7°37'39	22°35	0♏14	26°22	15° 8	12°32	4°36	13°38	9° 5	24°18	13° 0	11°30	19°31	28°31	W24
T 25	0 42 8	8°37'06	4♓43	1°31	27°37	15°47	12°45	4°35	13°39	9° 3	24°19	13° 1	11°27	19°37	28°29	T 25
F 26	0 46 5	9°36'36	16°42	2°46	28°52	16°25	12°57	4°35	13°40	9° 2	24°19	13°R 1	11°24	19°44	28°26	F 26
S 27	0 50 1	10°36'07	28°36	4° 0	0♎ 7	17° 3	13° 9	4°34	13°41	9° 0	24°20	13° 0	11°21	19°51	28°23	S 27
S 28	0 53 58	11°35'41	10♈27	5°13	1°23	17°42	13°21	4°34	13°42	8°59	24°20	12°58	11°17	19°57	28°20	S 28
M29	0 57 54	12°35'16	22°16	6°24	2°38	18°20	13°34	4°33	13°43	8°58	24°21	12°54	11°14	20° 4	28°18	M29
T 30	1 1 51	13♎34'54	4♉ 6	7♏33	3♎53	18♍58	13♍46	4♒33	13♋43	8♓56	24♋21	12♍49	11♍11	20♈11	28♈15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n56	2n54	2s42	2n10	0n38	13n27	1n13	12n26	1n10	9n41	1n 1	20s 2	1s 3	23n17	0n23	9s 2	1s 9	25n21	4n 0	6n41	6n49	4n 1	11n39	0n22
T 2	5 34	6 32	3 34	1 24	0 32	13 2	1 14	12 13	1 10	9 36	1 2	20 3	1 3	23 17	0 23	9 3	1 9	25 21	4 0	6 41	6 50	4 3	11 38	0 22
W 3	5 11	9 55	4 18	0 39	0 25	12 37	1 16	11 59	1 10	9 31	1 2	20 3	1 3	23 16	0 23	9 3	1 9	25 21	4 0	6 41	6 51	4 4	11 38	0 22
T 4	4 48	12 55	4 50	0s 7	0 18	12 12	1 17	11 45	1 10	9 27	1 2	20 4	1 3	23 16	0 23	9 4	1 9	25 21	4 1	6 41	6 52	4 6	11 37	0 22
F 5	4 25	15 24	5 11	0 52	0 11	11 46	1 18	11 31	1 10	9 22	1 2	20 5	1 3	23 16	0 23	9 5	1 9	25 21	4 1	6 41	6 54	4 8	11 36	0 22
S 6	4 1	17 15	5 17	1 36	0 4	11 20	1 19	11 17	1 10	9 17	1 2	20 5	1 3	23 16	0 23	9 5	1 9	25 21	4 1	6 41	6 55	4 10	11 35	0 21
S 7	3 38	18 19	5 10	2 21	0s 3	10 53	1 20	11 3	1 10	9 12	1 2	20 6	1 3	23 16	0 23	9 6	1 9	25 21	4 1	6 41	6 56	4 12	11 34	0 21
M 8	3 15	18 29	4 46	3 4	0 11	10 27	1 21	10 49	1 10	9 7	1 2	20 6	1 3	23 16	0 23	9 6	1 9	25 21	4 1	6 41	6 57	4 14	11 34	0 21
T 9	2 52	17 40	4 7	3 48	0 18	10 0	1 22	10 35	1 10	9 3	1 2	20 7	1 3	23 15	0 23	9 7	1 9	25 21	4 1	6 41	6 59	4 16	11 33	0 21
W10	2 28	15 48	3 13	4 31	0 25	9 32	1 23	10 21	1 10	8 58	1 2	20 7	1 3	23 15	0 23	9 8	1 9	25 20	4 1	6 41	7 0	4 18	11 32	0 21
T 11	2 5	12 56	2 5	5 13	0 32	9 5	1 24	10 7	1 10	8 53	1 2	20 8	1 3	23 15	0 23	9 8	1 9	25 20	4 2	6 40	7 1	4 19	11 31	0 21
F 12	1 41	9 12	0 48	5 56	0 40	8 37	1 24	9 52	1 10	8 48	1 2	20 8	1 3	23 15	0 23	9 9	1 9	25 20	4 2	6 40	7 2	4 21	11 30	0 21
S 13	1 18	4 47	0n34	6 37	0 47	8 9	1 25	9 38	1 10	8 43	1 2	20 9	1 3	23 15	0 23	9 9	1 9	25 20	4 2	6 40	7 3	4 23	11 29	0 21
S 14	0 54	0 1	1 55	7 18	0 54	7 40	1 26	9 24	1 10	8 39	1 2	20 9	1 3	23 15	0 23	9 10	1 9	25 20	4 2	6 40	7 5	4 25	11 28	0 21
M15	0 30	4s46	3 8	7 58	1 2	7 12	1 26	9 9	1 10	8 34	1 3	20 10	1 3	23 15	0 23	9 11	1 9	25 20	4 2	6 41	7 6	4 27	11 27	0 21
T 16	0 7	9 13	4 8	8 38	1 9	6 43	1 26	8 55	1 10	8 29	1 3	20 10	1 3	23 15	0 23	9 11	1 9	25 20	4 2	6 42	7 7	4 29	11 26	0 21
W17	0s17	13 0	4 50	9 17	1 16	6 14	1 27	8 40	1 10	8 24	1 3	20 11	1 3	23 14	0 23	9 12	1 9	25 20	4 3	6 43	7 8	4 31	11 26	0 21
T 18	0 41	15 54	5 12	9 56	1 23	5 45	1 27	8 25	1 9	8 20	1 3	20 11	1 3	23 14	0 23	9 12	1 9	25 21	4 3	6 43	7 10	4 33	11 25	0 21
F 19	1 4	17 46	5 15	10 34	1 30	5 16	1 27	8 11	1 9	8 15	1 3	20 11	1 3	23 14	0 23	9 13	1 9	25 21	4 3	6 44	7 11	4 34	11 24	0 21
S 20	1 28	18 33	4 59	11 11	1 37	4 46	1 28	7 56	1 9	8 10	1 3	20 11	1 3	23 14	0 23	9 13	1 9	25 21	4 3	6 44	7 12	4 36	11 23	0 20
S 21	1 51	18 16	4 28	11 47	1 44	4 17	1 28	7 41	1 9	8 6	1 3	20 12	1 3	23 14	0 23	9 14	1 9	25 21	4 3	6 44	7 13	4 38	11 22	0 20
M22	2 15	17 2	3 45	12 23	1 51	3 47	1 28	7 26	1 9	8 1	1 3	20 12	1 3	23 14	0 23	9 15	1 9	25 21	4 3	6 44	7 14	4 40	11 21	0 20
T 23	2 39	15 0	2 51	12 58	1 57	3 17	1 28	7 11	1 9	7 56	1 3	20 12	1 3	23 14	0 23	9 15	1 9	25 21	4 4	6 43	7 16	4 42	11 20	0 20
W24	3 2	12 18	1 50	13 31	2 3	2 47	1 27	6 56	1 9	7 52	1 3	20 12	1 3	23 14	0 24	9 16	1 9	25 21	4 4	6 42	7 17	4 44	11 19	0 20
T 25	3 26	9 7	0 46	14 4	2 10	2 17	1 27	6 41	1 9	7 47	1 4	20 13	1 3	23 14	0 24	9 16	1 9	25 21	4 4	6 42	7 18	4 46	11 17	0 20
F 26	3 49	5 35	0s20	14 36	2 16	1 47	1 27	6 26	1 9	7 42	1 4	20 13	1 3	23 14	0 24	9 17	1 9	25 21	4 4	6 42	7 19	4 48	11 16	0 20
S 27	4 13	1 51	1 25	15 7	2 21	1 17	1 27	6 11	1 9	7 38	1 4	20 13	1 3	23 14	0 24	9 17	1 9	25 21	4 4	6 42	7 20	4 49	11 15	0 20
S 28	4 36	1n56	2 25	15 37	2 27	0 46	1 26	5 56	1 9	7 33	1 4	20 13	1 3	23 13	0 24	9 18	1 9	25 21	4 5	6 43	7 22	4 51	11 14	0 20
M29	5 0	6 38	3 19	16 6	2 32	0 16	1 26	5 41	1 9	7 28	1 4	20 13	1 3	23 13	0 24	9 18	1 9	25 21	4 5	6 45	7 23	4 53	11 13	0 20
T 30	5s23	9n 7	4s 4	16s34	2s37	0s15	1n25	5n26	1n 9	7n24	1n 4	20s13	1s 3	23n13	0n24	9s19	1s 9	25n21	4n 5	6n47	7n24	4n55	11n12	0n20

Julian Day Number = 2158505.5, Delta T = 13m27s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'10, Lahiri = 12°40'11 Julian Calendar 1 Sept. 1197 == Greg. Calendar 8 Sept. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

OCTOBER 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 5 47	14♎34'34	15♉59	8♏40	5♎ 8	19♍36	13♍58	4°R33	13♋44	8°R55	24♋22	12°R43	11♍ 8	20♈18	28°R12	W 1
T 2	1 9 44	15°34'16	27°57	9°45	6°23	20°15	14°10	4°D33	13°45	8♓54	24°22	12♍37	11° 5	20°24	28♈ 9	T 2
F 3	1 13 41	16°34'00	10♊ 2	10°47	7°38	20°53	14°22	4♒33	13°45	8°53	24°23	12°32	11° 2	20°31	28° 6	F 3
S 4	1 17 37	17°33'47	22°17	11°47	8°53	21°31	14°34	4°33	13°46	8°51	24°23	12°27	10°58	20°38	28° 3	S 4
S 5	1 21 34	18°33'35	4♋46	12°44	10° 8	22°10	14°46	4°33	13°46	8°50	24°24	12°25	10°55	20°44	28° 0	S 5
M 6	1 25 30	19°33'26	17°32	13°38	11°24	22°48	14°57	4°34	13°47	8°49	24°24	12°D24	10°52	20°51	27°58	M 6
T 7	1 29 27	20°33'20	0♌39	14°28	12°39	23°26	15° 9	4°34	13°47	8°48	24°24	12°24	10°49	20°58	27°55	T 7
W 8	1 33 23	21°33'15	14°11	15°14	13°54	24° 5	15°21	4°35	13°47	8°47	24°25	12°25	10°46	21° 4	27°52	W 8
T 9	1 37 20	22°33'13	28° 8	15°55	15° 9	24°43	15°32	4°35	13°48	8°46	24°25	12°27	10°42	21°11	27°49	T 9
F 10	1 41 16	23°33'13	12♍32	16°32	16°25	25°22	15°44	4°36	13°48	8°45	24°25	12°R28	10°39	21°18	27°46	F 10
S 11	1 45 13	24°33'15	27°20	17° 3	17°40	26° 0	15°56	4°37	13°48	8°44	24°25	12°27	10°36	21°24	27°43	S 11
S 12	1 49 10	25°33'19	12♎27	17°29	18°55	26°38	16° 7	4°38	13°48	8°43	24°26	12°24	10°33	21°31	27°40	S 12
M13	1 53 6	26°33'25	27°43	17°47	20°11	27°17	16°18	4°39	13°R48	8°42	24°26	12°19	10°30	21°38	27°37	M13
T 14	1 57 3	27°33'33	12♏59	17°59	21°26	27°55	16°30	4°40	13°48	8°41	24°26	12°12	10°27	21°44	27°34	T 14
W15	2 0 59	28°33'43	28° 3	18°R 2	22°41	28°33	16°41	4°41	13°48	8°40	24°26	12° 5	10°23	21°51	27°31	W15
T 16	2 4 56	29°33'54	12♐46	17°57	23°57	29°12	16°52	4°43	13°48	8°39	24°26	11°58	10°20	21°58	27°28	T 16
F 17	2 8 52	0♏34'08	27° 3	17°43	25°12	29°50	17° 3	4°44	13°48	8°38	24°26	11°52	10°17	22° 4	27°25	F 17
S 18	2 12 49	1°34'22	10♑50	17°20	26°27	0♎29	17°14	4°46	13°47	8°37	24°26	11°48	10°14	22°11	27°22	S 18
S 19	2 16 45	2°34'39	24° 8	16°46	27°43	1° 7	17°25	4°48	13°47	8°36	24°R26	11°46	10°11	22°18	27°19	S 19
M20	2 20 42	3°34'56	7♒ 0	16° 3	28°58	1°45	17°36	4°49	13°47	8°35	24°26	11°D45	10° 7	22°24	27°16	M20
T 21	2 24 39	4°35'16	19°30	15°10	0♏14	2°24	17°47	4°51	13°46	8°35	24°26	11°46	10° 4	22°31	27°13	T 21
W22	2 28 35	5°35'36	1♓43	14° 9	1°29	3° 2	17°57	4°53	13°46	8°34	24°26	11°47	10° 1	22°38	27°11	W22
T 23	2 32 32	6°35'58	13°44	12°59	2°44	3°41	18° 8	4°55	13°45	8°33	24°26	11°R48	9°58	22°44	27° 8	T 23
F 24	2 36 28	7°36'22	25°36	11°44	4° 0	4°19	18°18	4°57	13°45	8°33	24°26	11°46	9°55	22°51	27° 5	F 24
S 25	2 40 25	8°36'47	7♈26	10°25	5°15	4°58	18°29	5° 0	13°44	8°32	24°26	11°43	9°52	22°58	27° 2	S 25
S 26	2 44 21	9°37'13	19°14	9° 4	6°31	5°36	18°39	5° 2	13°43	8°31	24°26	11°37	9°48	23° 4	26°59	S 26
M27	2 48 18	10°37'41	1♉ 5	7°45	7°46	6°15	18°49	5° 5	13°43	8°31	24°25	11°28	9°45	23°11	26°56	M27
T 28	2 52 14	11°38'11	12°59	6°30	9° 1	6°53	18°59	5° 7	13°42	8°30	24°25	11°18	9°42	23°18	26°53	T 28
W29	2 56 11	12°38'43	24°59	5°20	10°17	7°31	19°10	5°10	13°41	8°30	24°25	11° 6	9°39	23°25	26°50	W29
T 30	3 0 7	13°39'15	7♊ 6	4°19	11°32	8°10	19°19	5°13	13°40	8°29	24°25	10°53	9°36	23°31	26°48	T 30
F 31	3 4 4	14♏39'50	19♊20	3♏28	12♏48	8♎48	19♍29	5♒15	13♋39	8♓29	24♋24	10♍42	9♍33	23♈38	26♈45	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s46	12n15	4s39	17s 0	2s42	0s45	1n25	5n11	1n 9	7n19	1n 4	20s13	1s 2	23n13	0n24	9s19	1s 9	25n21	4n 5	6n49	7n25	4n57	11n11	0n20
T 2	6 9	14 53	5 2	17 25	2 46	1 15	1 24	4 56	1 8	7 15	1 4	20 13	1 2	23 13	0 24	9 20	1 9	25 21	4 5	6 51	7 27	4 59	11 10	0 20
F 3	6 32	16 55	5 11	17 48	2 50	1 46	1 24	4 40	1 8	7 10	1 4	20 13	1 2	23 13	0 24	9 20	1 9	25 21	4 5	6 53	7 28	5 1	11 9	0 20
S 4	6 55	18 12	5 7	18 11	2 53	2 16	1 23	4 25	1 8	7 6	1 5	20 13	1 2	23 13	0 24	9 20	1 9	25 21	4 6	6 55	7 29	5 2	11 8	0 19
S 5	7 18	18 39	4 48	18 31	2 56	2 47	1 22	4 10	1 8	7 1	1 5	20 13	1 2	23 13	0 24	9 21	1 8	25 22	4 6	6 56	7 30	5 4	11 7	0 19
M 6	7 41	18 10	4 15	18 50	2 58	3 17	1 21	3 55	1 8	6 57	1 5	20 13	1 2	23 13	0 24	9 21	1 8	25 22	4 6	6 56	7 31	5 6	11 6	0 19
T 7	8 4	16 43	3 28	19 6	3 0	3 47	1 20	3 39	1 8	6 52	1 5	20 13	1 2	23 13	0 24	9 22	1 8	25 22	4 6	6 56	7 33	5 8	11 4	0 19
W 8	8 26	14 17	2 28	19 21	3 1	4 18	1 19	3 24	1 8	6 48	1 5	20 12	1 2	23 13	0 24	9 22	1 8	25 22	4 6	6 56	7 34	5 10	11 3	0 19
T 9	8 49	10 58	1 17	19 34	3 1	4 48	1 18	3 8	1 8	6 44	1 5	20 12	1 2	23 13	0 24	9 22	1 8	25 22	4 6	6 55	7 35	5 12	11 2	0 19
F 10	9 11	6 53	0n 0	19 44	3 0	5 18	1 17	2 53	1 8	6 39	1 5	20 12	1 2	23 13	0 24	9 23	1 8	25 22	4 7	6 55	7 36	5 14	11 1	0 19
S 11	9 33	2 17	1 20	19 51	2 59	5 48	1 16	2 38	1 7	6 35	1 6	20 12	1 2	23 13	0 24	9 23	1 8	25 22	4 7	6 55	7 37	5 16	11 0	0 19
S 12	9 55	2s33	2 35	19 56	2 56	6 18	1 15	2 22	1 7	6 30	1 6	20 12	1 2	23 13	0 24	9 24	1 8	25 22	4 7	6 56	7 39	5 17	10 59	0 19
M13	10 17	7 17	3 40	19 58	2 53	6 47	1 13	2 7	1 7	6 26	1 6	20 11	1 2	23 13	0 24	9 24	1 8	25 23	4 7	6 58	7 40	5 19	10 58	0 19
T 14	10 39	11 31	4 29	19 57	2 48	7 17	1 12	1 51	1 7	6 22	1 6	20 11	1 2	23 13	0 24	9 24	1 8	25 23	4 7	7 1	7 41	5 21	10 57	0 19
W15	11 1	14 57	4 59	19 52	2 41	7 46	1 11	1 36	1 7	6 18	1 6	20 11	1 2	23 13	0 24	9 25	1 8	25 23	4 8	7 3	7 42	5 23	10 55	0 19
T 16	11 22	17 20	5 8	19 43	2 34	8 15	1 9	1 20	1 7	6 13	1 6	20 10	1 2	23 13	0 24	9 25	1 8	25 23	4 8	7 6	7 43	5 25	10 54	0 19
F 17	11 43	18 33	4 58	19 30	2 25	8 45	1 8	1 5	1 7	6 9	1 6	20 10	1 2	23 13	0 24	9 25	1 8	25 23	4 8	7 8	7 45	5 27	10 53	0 18
S 18	12 4	18 37	4 30	19 13	2 14	9 13	1 6	0 49	1 6	6 5	1 7	20 9	1 2	23 14	0 24	9 26	1 8	25 23	4 8	7 10	7 46	5 29	10 52	0 18
S 19	12 25	17 38	3 48	18 51	2 1	9 42	1 4	0 34	1 6	6 1	1 7	20 9	1 2	23 14	0 24	9 26	1 8	25 24	4 8	7 11	7 47	5 30	10 51	0 18
M20	12 46	15 45	2 56	18 25	1 47	10 11	1 3	0 19	1 6	5 57	1 7	20 9	1 2	23 14	0 24	9 26	1 8	25 24	4 8	7 11	7 48	5 32	10 50	0 18
T 21	13 6	13 11	1 57	17 54	1 31	10 39	1 1	0 3	1 6	5 53	1 7	20 8	1 2	23 14	0 24	9 26	1 8	25 24	4 9	7 11	7 49	5 34	10 49	0 18
W22	13 27	10 4	0 54	17 19	1 13	11 7	0 59	0s12	1 6	5 49	1 7	20 8	1 2	23 14	0 24	9 27	1 8	25 24	4 9	7 10	7 51	5 36	10 47	0 18
T 23	13 47	6 35	0s10	16 40	0 54	11 34	0 58	0 28	1 6	5 45	1 7	20 7	1 2	23 14	0 24	9 27	1 8	25 24	4 9	7 10	7 52	5 38	10 46	0 18
F 24	14 6	2 53	1 14	15 58	0 34	12 2	0 56	0 43	1 5	5 41	1 8	20 6	1 2	23 14	0 24	9 27	1 8	25 25	4 9	7 11	7 53	5 40	10 45	0 18
S 25	14 26	0n55	2 13	15 14	0 14	12 29	0 54	0 59	1 5	5 37	1 8	20 6	1 2	23 14	0 24	9 27	1 8	25 25	4 9	7 12	7 54	5 42	10 44	0 18
S 26	14 45	4 41	3 7	14 29	0n 7	12 56	0 52	1 14	1 5	5 33	1 8	20 5	1 2	23 14	0 24	9 28	1 8	25 25	4 10	7 14	7 55	5 44	10 43	0 18
M27	15 4	8 16	3 52	13 44	0 27	13 22	0 50	1 30	1 5	5 29	1 8	20 5	1 2	23 14	0 25	9 28	1 8	25 25	4 10	7 17	7 57	5 45	10 42	0 18
T 28	15 23	11 33	4 27	13 0	0 47	13 48	0 48	1 45	1 5	5 25	1 8	20 4	1 2	23 14	0 25	9 28	1 8	25 25	4 10	7 22	7 58	5 47	10 41	0 18
W29	15 42	14 23	4 51	12 20	1 5	14 14	0 46	2 1	1 5	5 22	1 9	20 3	1 2	23 14	0 25	9 28	1 8	25 26	4 10	7 26	7 59	5 49	10 40	0 17
T 30	16 0	16 37	5 2	11 43	1 22	14 40	0 44	2 16	1 4	5 18	1 9	20 3	1 2	23 15	0 25	9 28	1 8	25 26	4 10	7 31	8 0	5 51	10 38	0 17
F 31	16s18	18n 8	5s 0	11s12	1n37	15s 5	0n42	2s31	1n 4	5n14	1n 9	20s 2	1s 2	23n15	0n25	9s28	1s 8	25n26	4n10	7n35	8n 1	5n53	10n37	0n17

Julian Day Number = 2158535.5, Delta T = 13m26s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'14, Lahiri = 12°40'15 Julian Calendar 1 Oct. 1197 == Greg. Calendar 8 Oct. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

NOVEMBER 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 1	15♏40'26	1♋44	2°R48	14♏ 3	9♎27	19♍39	5♒18	13°R38	8°R28	24°R24	10°R32	9♍29	23♈45	26°R42	S 1
S 2	3 11 57	16°41'04	14°18	2♏19	15°19	10° 5	19°49	5°21	13♋37	8♓28	24♋24	10♍25	9°26	23°51	26♈39	S 2
M 3	3 15 54	17°41'44	27° 6	2° 2	16°34	10°44	19°58	5°25	13°36	8°28	24°23	10°21	9°23	23°58	26°37	M 3
T 4	3 19 50	18°42'26	10♌10	1°D57	17°50	11°22	20° 8	5°28	13°35	8°27	24°23	10°19	9°20	24° 5	26°34	T 4
W 5	3 23 47	19°43'09	23°34	2° 3	19° 5	12° 1	20°17	5°31	13°34	8°27	24°22	10°D18	9°17	24°11	26°31	W 5
T 6	3 27 43	20°43'53	7♍18	2°18	20°21	12°39	20°26	5°34	13°33	8°27	24°22	10°R19	9°13	24°18	26°29	T 6
F 7	3 31 40	21°44'40	21°26	2°43	21°36	13°18	20°35	5°38	13°31	8°27	24°22	10°18	9°10	24°25	26°26	F 7
S 8	3 35 36	22°45'28	5♎57	3°17	22°52	13°57	20°44	5°42	13°30	8°26	24°21	10°16	9° 7	24°31	26°23	S 8
S 9	3 39 33	23°46'17	20°48	3°58	24° 7	14°35	20°53	5°45	13°29	8°26	24°20	10°11	9° 4	24°38	26°21	S 9
M10	3 43 30	24°47'08	5♏52	4°46	25°23	15°14	21° 2	5°49	13°27	8°26	24°20	10° 3	9° 1	24°45	26°18	M10
T 11	3 47 26	25°48'00	21° 0	5°40	26°38	15°52	21°11	5°53	13°26	8°26	24°19	9°53	8°58	24°51	26°16	T 11
W12	3 51 23	26°48'54	6♐ 4	6°39	27°54	16°31	21°19	5°57	13°24	8°26	24°19	9°41	8°54	24°58	26°13	W12
T 13	3 55 19	27°49'48	20°51	7°42	29° 9	17° 9	21°28	6° 1	13°23	8°D26	24°18	9°30	8°51	25° 5	26°11	T 13
F 14	3 59 16	28°50'44	5♑14	8°50	0♐25	17°48	21°36	6° 5	13°21	8°26	24°17	9°20	8°48	25°11	26° 9	F 14
S 15	4 3 12	29°51'41	19°10	10° 1	1°40	18°26	21°44	6° 9	13°19	8°26	24°17	9°12	8°45	25°18	26° 6	S 15
S 16	4 7 9	0♐52'38	2♒35	11°15	2°56	19° 5	21°52	6°13	13°18	8°26	24°16	9° 6	8°42	25°25	26° 4	S 16
M17	4 11 6	1°53'36	15°32	12°31	4°11	19°44	22° 0	6°18	13°16	8°26	24°15	9° 4	8°39	25°32	26° 2	M17
T 18	4 15 2	2°54'35	28° 5	13°49	5°27	20°22	22° 8	6°22	13°14	8°26	24°15	9° 3	8°35	25°38	26° 0	T 18
W19	4 18 59	3°55'35	10♓19	15°10	6°42	21° 1	22°16	6°27	13°12	8°27	24°14	9° 3	8°32	25°45	25°57	W19
T 20	4 22 55	4°56'35	22°19	16°32	7°58	21°39	22°23	6°31	13°11	8°27	24°13	9° 2	8°29	25°52	25°55	T 20
F 21	4 26 52	5°57'35	4♈10	17°55	9°13	22°18	22°31	6°36	13° 9	8°27	24°12	9° 0	8°26	25°58	25°53	F 21
S 22	4 30 48	6°58'37	15°58	19°20	10°29	22°57	22°38	6°41	13° 7	8°27	24°11	8°56	8°23	26° 5	25°51	S 22
S 23	4 34 45	7°59'39	27°48	20°45	11°44	23°35	22°45	6°45	13° 5	8°28	24°11	8°49	8°19	26°12	25°49	S 23
M24	4 38 41	9° 0'41	9♉41	22°12	12°59	24°14	22°52	6°50	13° 3	8°28	24°10	8°38	8°16	26°18	25°47	M24
T 25	4 42 38	10° 1'45	21°42	23°39	14°15	24°52	22°59	6°55	13° 1	8°29	24° 9	8°26	8°13	26°25	25°45	T 25
W26	4 46 35	11° 2'49	3♊52	25° 7	15°30	25°31	23° 5	7° 0	12°59	8°29	24° 8	8°11	8°10	26°32	25°43	W26
T 27	4 50 31	12° 3'53	16°11	26°35	16°46	26°10	23°12	7° 5	12°57	8°29	24° 7	7°56	8° 7	26°38	25°41	T 27
F 28	4 54 28	13° 4'59	28°40	28° 4	18° 1	26°48	23°18	7°10	12°55	8°30	24° 6	7°43	8° 4	26°45	25°40	F 28
S 29	4 58 24	14° 6'05	11♋20	29°33	19°17	27°27	23°25	7°16	12°52	8°31	24° 5	7°31	8° 0	26°52	25°38	S 29
S 30	5 2 21	15♐ 7'11	24♋10	1♐ 3	20♐32	28♎ 5	23♍31	7♒21	12♋50	8♓31	24♋ 4	7♍22	7♍57	26♈59	25♈36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s36	18n49	4s43	10s46	1n51	15s29	0n40	2s47	1n 4	5n10	1n 9	20s 1	1s 2	23n15	0n25	9s29	1s 8	25n26	4n11	7n39	8n 3	5n55	10n36	0n17
S 2	16 54	18 35	4 12	10 25	2 2	15 54	0 38	3 2	1 4	5 7	1 9	20 0	1 2	23 15	0 25	9 29	1 8	25 27	4 11	7 42	8 4	5 57	10 35	0 17
M 3	17 11	17 25	3 28	10 11	2 11	16 18	0 36	3 17	1 4	5 3	1 10	19 59	1 2	23 15	0 25	9 29	1 8	25 27	4 11	7 43	8 5	5 58	10 34	0 17
T 4	17 28	15 19	2 33	10 2	2 18	16 41	0 33	3 33	1 3	5 0	1 10	19 59	1 1	23 15	0 25	9 29	1 8	25 27	4 11	7 44	8 6	6 0	10 33	0 17
W 5	17 44	12 21	1 28	9 59	2 24	17 4	0 31	3 48	1 3	4 56	1 10	19 58	1 1	23 15	0 25	9 29	1 8	25 27	4 11	7 44	8 7	6 2	10 32	0 17
T 6	18 1	8 37	0 16	10 1	2 27	17 27	0 29	4 3	1 3	4 53	1 10	19 57	1 1	23 16	0 25	9 29	1 8	25 27	4 11	7 44	8 9	6 4	10 31	0 17
F 7	18 17	4 19	0n59	10 8	2 30	17 49	0 27	4 19	1 3	4 49	1 10	19 56	1 1	23 16	0 25	9 29	1 8	25 28	4 12	7 44	8 10	6 6	10 30	0 17
S 8	18 32	0s22	2 12	10 18	2 30	18 10	0 24	4 34	1 3	4 46	1 11	19 55	1 1	23 16	0 25	9 29	1 8	25 28	4 12	7 45	8 11	6 8	10 29	0 17
S 9	18 48	5 6	3 17	10 32	2 30	18 31	0 22	4 49	1 2	4 43	1 11	19 54	1 1	23 16	0 25	9 29	1 8	25 28	4 12	7 47	8 12	6 10	10 28	0 16
M10	19 3	9 36	4 10	10 50	2 29	18 52	0 20	5 4	1 2	4 39	1 11	19 53	1 1	23 16	0 25	9 29	1 8	25 29	4 12	7 50	8 13	6 11	10 27	0 16
T 11	19 17	13 30	4 45	11 10	2 26	19 12	0 18	5 19	1 2	4 36	1 11	19 52	1 1	23 16	0 25	9 29	1 8	25 29	4 12	7 54	8 15	6 13	10 26	0 16
W12	19 32	16 29	5 0	11 33	2 23	19 32	0 15	5 34	1 2	4 33	1 11	19 51	1 1	23 17	0 25	9 29	1 8	25 29	4 12	7 58	8 16	6 15	10 25	0 16
T 13	19 46	18 19	4 55	11 57	2 19	19 51	0 13	5 49	1 1	4 30	1 12	19 50	1 1	23 17	0 25	9 29	1 8	25 29	4 13	8 2	8 17	6 17	10 24	0 16
F 14	19 59	18 55	4 31	12 23	2 14	20 9	0 10	6 4	1 1	4 27	1 12	19 49	1 1	23 17	0 25	9 29	1 8	25 30	4 13	8 6	8 18	6 19	10 23	0 16
S 15	20 12	18 21	3 52	12 50	2 9	20 27	0 8	6 19	1 1	4 24	1 12	19 48	1 1	23 17	0 25	9 29	1 7	25 30	4 13	8 9	8 19	6 21	10 22	0 16
S 16	20 25	16 44	3 0	13 18	2 4	20 44	0 6	6 34	1 1	4 21	1 12	19 47	1 1	23 17	0 25	9 29	1 7	25 30	4 13	8 11	8 21	6 23	10 21	0 16
M17	20 38	14 19	2 1	13 47	1 58	21 1	0 3	6 49	1 0	4 18	1 13	19 46	1 1	23 18	0 25	9 29	1 7	25 31	4 13	8 12	8 22	6 24	10 20	0 16
T 18	20 50	11 17	0 58	14 17	1 51	21 17	0 1	7 4	1 0	4 15	1 13	19 45	1 1	23 18	0 25	9 29	1 7	25 31	4 13	8 13	8 23	6 26	10 19	0 16
W19	21 1	7 50	0s 7	14 47	1 45	21 33	0s 1	7 19	1 0	4 12	1 13	19 44	1 1	23 18	0 25	9 29	1 7	25 31	4 14	8 13	8 24	6 28	10 19	0 16
T 20	21 13	4 8	1 10	15 17	1 38	21 48	0 4	7 33	0 59	4 9	1 13	19 43	1 1	23 18	0 25	9 29	1 7	25 31	4 14	8 13	8 25	6 30	10 18	0 15
F 21	21 24	0 18	2 9	15 47	1 31	22 2	0 6	7 48	0 59	4 6	1 13	19 41	1 1	23 18	0 25	9 28	1 7	25 32	4 14	8 14	8 27	6 32	10 17	0 15
S 22	21 34	3n31	3 2	16 17	1 24	22 15	0 9	8 3	0 59	4 4	1 14	19 40	1 1	23 19	0 25	9 28	1 7	25 32	4 14	8 15	8 28	6 34	10 16	0 15
S 23	21 44	7 12	3 47	16 47	1 17	22 28	0 11	8 17	0 59	4 1	1 14	19 39	1 1	23 19	0 25	9 28	1 7	25 32	4 14	8 18	8 29	6 36	10 15	0 15
M24	21 54	10 37	4 23	17 16	1 10	22 41	0 13	8 32	0 58	3 59	1 14	19 38	1 1	23 19	0 25	9 28	1 7	25 33	4 14	8 22	8 30	6 37	10 14	0 15
T 25	22 3	13 39	4 47	17 46	1 2	22 52	0 16	8 46	0 58	3 56	1 14	19 36	1 1	23 19	0 25	9 28	1 7	25 33	4 15	8 27	8 31	6 39	10 14	0 15
W26	22 12	16 7	4 59	18 14	0 55	23 3	0 18	9 1	0 58	3 54	1 15	19 35	1 1	23 19	0 25	9 28	1 7	25 33	4 15	8 32	8 33	6 41	10 13	0 15
T 27	22 20	17 54	4 57	18 42	0 47	23 13	0 21	9 15	0 57	3 51	1 15	19 34	1 1	23 20	0 25	9 27	1 7	25 34	4 15	8 38	8 34	6 43	10 12	0 15
F 28	22 28	18 52	4 40	19 10	0 40	23 23	0 23	9 29	0 57	3 49	1 15	19 32	1 1	23 20	0 25	9 27	1 7	25 34	4 15	8 43	8 35	6 45	10 11	0 15
S 29	22 35	18 54	4 10	19 37	0 33	23 31	0 25	9 44	0 57	3 47	1 15	19 31	1 1	23 20	0 25	9 27	1 7	25 34	4 15	8 47	8 36	6 47	10 11	0 15
S 30	22s42	17n59	3s26	20s 3	0n25	23s39	0s27	9s58	0n56	3n45	1n16	19s30	1s 1	23n20	0n25	9s27	1s 7	25n35	4n15	8n51	8n37	6n49	10n10	0n15

Julian Day Number = 2158566.5, Delta T = 13m26s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'19, Lahiri = 12°40'19 Julian Calendar 1 Nov. 1197 == Greg. Calendar 8 Nov. 1197

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ASTRODIENST EPHEMERIS for the year 1197
geocentric

DECEMBER 1197 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 6 17	16♐ 8'19	7♌11	2♐33	21♐48	28♎44	23♍37	7♒26	12°R48	8♓32	24°R 3	7°R16	7♍54	27♈ 5	25°R35	M 1
T 2	5 10 14	17° 9'27	20°23	4° 4	23° 3	29°23	23°42	7°32	12♋46	8°32	24♋ 2	7♍13	7°51	27°12	25♈33	T 2
W 3	5 14 10	18°10'35	3♍49	5°35	24°19	0♏ 1	23°48	7°37	12°43	8°33	24° 1	7°D12	7°48	27°19	25°32	W 3
T 4	5 18 7	19°11'45	17°30	7° 6	25°34	0°40	23°53	7°43	12°41	8°34	24° 0	7°R12	7°45	27°25	25°30	T 4
F 5	5 22 4	20°12'55	1♎26	8°38	26°49	1°19	23°59	7°49	12°39	8°34	23°59	7°12	7°41	27°32	25°29	F 5
S 6	5 26 0	21°14'06	15°40	10° 9	28° 5	1°57	24° 4	7°54	12°36	8°35	23°58	7°10	7°38	27°39	25°27	S 6
S 7	5 29 57	22°15'17	0♏ 8	11°41	29°20	2°36	24° 9	8° 0	12°34	8°36	23°57	7° 5	7°35	27°45	25°26	S 7
M 8	5 33 53	23°16'29	14°48	13°14	0♑36	3°15	24°14	8° 6	12°32	8°37	23°55	6°58	7°32	27°52	25°25	M 8
T 9	5 37 50	24°17'42	29°34	14°46	1°51	3°53	24°18	8°12	12°29	8°38	23°54	6°48	7°29	27°59	25°23	T 9
W10	5 41 46	25°18'54	14♐17	16°19	3° 7	4°32	24°23	8°18	12°27	8°39	23°53	6°37	7°25	28° 5	25°22	W10
T 11	5 45 43	26°20'07	28°50	17°52	4°22	5°11	24°27	8°24	12°24	8°40	23°52	6°25	7°22	28°12	25°21	T 11
F 12	5 49 39	27°21'21	13♑ 6	19°26	5°38	5°49	24°31	8°30	12°22	8°41	23°51	6°15	7°19	28°19	25°20	F 12
S 13	5 53 36	28°22'34	26°58	21° 0	6°53	6°28	24°35	8°36	12°19	8°42	23°50	6° 7	7°16	28°26	25°19	S 13
S 14	5 57 33	29°23'47	10♒25	22°34	8° 8	7° 7	24°39	8°42	12°17	8°43	23°48	6° 1	7°13	28°32	25°18	S 14
M15	6 1 29	0♑24'59	23°25	24° 8	9°24	7°45	24°42	8°48	12°14	8°44	23°47	5°58	7°10	28°39	25°17	M15
T 16	6 5 26	1°26'12	6♓ 2	25°43	10°39	8°24	24°46	8°54	12°12	8°45	23°46	5°D57	7° 6	28°46	25°17	T 16
W17	6 9 22	2°27'24	18°20	27°18	11°55	9° 2	24°49	9° 1	12° 9	8°46	23°45	5°58	7° 3	28°52	25°16	W17
T 18	6 13 19	3°28'35	0♈22	28°53	13°10	9°41	24°52	9° 7	12° 7	8°47	23°43	5°R58	7° 0	28°59	25°15	T 18
F 19	6 17 15	4°29'46	12°16	0♑29	14°25	10°20	24°55	9°13	12° 4	8°48	23°42	5°58	6°57	29° 6	25°15	F 19
S 20	6 21 12	5°30'57	24° 5	2° 5	15°41	10°58	24°58	9°20	12° 1	8°50	23°41	5°56	6°54	29°12	25°14	S 20
S 21	6 25 8	6°32'07	5♉56	3°42	16°56	11°37	25° 0	9°26	11°59	8°51	23°40	5°51	6°51	29°19	25°14	S 21
M22	6 29 5	7°33'17	17°53	5°19	18°11	12°16	25° 3	9°33	11°56	8°52	23°38	5°45	6°47	29°26	25°13	M22
T 23	6 33 2	8°34'26	29°58	6°57	19°27	12°54	25° 5	9°39	11°54	8°53	23°37	5°36	6°44	29°32	25°13	T 23
W24	6 36 58	9°35'35	12♊16	8°35	20°42	13°33	25° 7	9°46	11°51	8°55	23°36	5°25	6°41	29°39	25°12	W24
T 25	6 40 55	10°36'43	24°48	10°13	21°57	14°12	25° 9	9°52	11°48	8°56	23°34	5°14	6°38	29°46	25°12	T 25
F 26	6 44 51	11°37'51	7♋34	11°52	23°12	14°50	25°10	9°59	11°46	8°58	23°33	5° 4	6°35	29°53	25°12	F 26
S 27	6 48 48	12°38'59	20°33	13°31	24°28	15°29	25°12	10° 6	11°43	8°59	23°32	4°56	6°31	29°59	25°12	S 27
S 28	6 52 44	13°40'05	3♌45	15°11	25°43	16° 7	25°13	10°13	11°41	9° 0	23°30	4°49	6°28	0♉ 6	25°12	S 28
M29	6 56 41	14°41'12	17° 9	16°52	26°58	16°46	25°14	10°19	11°38	9° 2	23°29	4°45	6°25	0°13	25°D12	M29
T 30	7 0 37	15°42'18	0♍42	18°33	28°13	17°25	25°15	10°26	11°35	9° 3	23°28	4°D44	6°22	0°19	25°12	T 30
W31	7 4 34	16♑43'23	14♍25	20♑14	29♑29	18♏ 3	25♍15	10♒33	11♋33	9♓ 5	23♋26	4♍44	6♍19	0♉26	25♈12	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s49	16n 7	2s32	20s28	0n18	23s47	0s30	10s12	0n56	3n43	1n16	19s28	1s 1	23n21	0n25	9s26	1s 7	25n35	4n15	8n53	8n39	6n50	10n 9	0n14
T 2	22 55	13 22	1 28	20 52	0 11	23 53	0 32	10 26	0 56	3 40	1 16	19 27	1 1	23 21	0 25	9 26	1 7	25 35	4 16	8 54	8 40	6 52	10 9	0 14
W 3	23 1	9 52	0 18	21 16	0 4	23 59	0 34	10 40	0 55	3 38	1 16	19 25	1 1	23 21	0 25	9 26	1 7	25 36	4 16	8 54	8 41	6 54	10 8	0 14
T 4	23 6	5 48	0n54	21 39	0s 3	24 4	0 36	10 54	0 55	3 37	1 17	19 24	1 1	23 21	0 25	9 26	1 7	25 36	4 16	8 54	8 42	6 56	10 7	0 14
F 5	23 11	1 20	2 5	22 0	0 10	24 9	0 39	11 7	0 55	3 35	1 17	19 23	1 1	23 22	0 25	9 25	1 7	25 36	4 16	8 54	8 43	6 58	10 7	0 14
S 6	23 15	3s17	3 9	22 21	0 17	24 12	0 41	11 21	0 54	3 33	1 17	19 21	1 1	23 22	0 25	9 25	1 7	25 36	4 16	8 55	8 44	7 0	10 6	0 14
S 7	23 19	7 48	4 2	22 41	0 24	24 15	0 43	11 35	0 54	3 31	1 17	19 20	1 1	23 22	0 26	9 25	1 7	25 37	4 16	8 57	8 46	7 2	10 6	0 14
M 8	23 22	11 53	4 40	22 59	0 31	24 17	0 45	11 48	0 54	3 29	1 18	19 18	1 1	23 22	0 26	9 24	1 7	25 37	4 16	9 0	8 47	7 3	10 5	0 14
T 9	23 25	15 16	4 59	23 17	0 37	24 19	0 47	12 2	0 53	3 28	1 18	19 17	1 1	23 23	0 26	9 24	1 7	25 37	4 17	9 3	8 48	7 5	10 4	0 14
W10	23 27	17 40	4 59	23 33	0 43	24 19	0 49	12 15	0 53	3 26	1 18	19 15	1 1	23 23	0 26	9 24	1 7	25 38	4 17	9 7	8 49	7 7	10 4	0 14
T 11	23 29	18 53	4 39	23 48	0 50	24 19	0 51	12 29	0 52	3 25	1 19	19 13	1 1	23 23	0 26	9 23	1 7	25 38	4 17	9 12	8 50	7 9	10 3	0 14
F 12	23 31	18 53	4 2	24 3	0 56	24 18	0 53	12 42	0 52	3 24	1 19	19 12	1 1	23 23	0 26	9 23	1 7	25 38	4 17	9 15	8 52	7 11	10 3	0 13
S 13	23 32	17 43	3 12	24 15	1 1	24 17	0 55	12 55	0 52	3 22	1 19	19 10	1 1	23 24	0 26	9 22	1 7	25 39	4 17	9 19	8 53	7 13	10 3	0 13
S 14	23 32	15 36	2 12	24 27	1 7	24 14	0 57	13 8	0 51	3 21	1 19	19 9	1 1	23 24	0 26	9 22	1 7	25 39	4 17	9 21	8 54	7 14	10 2	0 13
M15	23 32	12 44	1 6	24 37	1 13	24 11	0 59	13 21	0 51	3 20	1 20	19 7	1 1	23 24	0 26	9 22	1 7	25 39	4 17	9 22	8 55	7 16	10 2	0 13
T 16	23 32	9 21	0s 0	24 46	1 18	24 7	1 1	13 34	0 50	3 19	1 20	19 5	1 1	23 24	0 26	9 21	1 7	25 40	4 17	9 22	8 56	7 18	10 1	0 13
W17	23 31	5 38	1 6	24 54	1 23	24 3	1 3	13 47	0 50	3 18	1 20	19 4	1 1	23 25	0 26	9 21	1 7	25 40	4 18	9 22	8 57	7 20	10 1	0 13
T 18	23 30	1 47	2 7	25 0	1 28	23 57	1 4	14 0	0 50	3 17	1 21	19 2	1 1	23 25	0 26	9 20	1 7	25 41	4 18	9 22	8 59	7 22	10 1	0 13
F 19	23 28	2n 5	3 1	25 5	1 32	23 51	1 6	14 12	0 49	3 16	1 21	19 0	1 1	23 25	0 26	9 20	1 7	25 41	4 18	9 22	9 0	7 24	10 0	0 13
S 20	23 26	5 51	3 48	25 8	1 36	23 44	1 8	14 25	0 49	3 15	1 21	18 59	1 1	23 25	0 26	9 19	1 6	25 41	4 18	9 22	9 1	7 26	10 0	0 13
S 21	23 23	9 24	4 25	25 10	1 41	23 37	1 9	14 37	0 48	3 14	1 21	18 57	1 1	23 26	0 26	9 19	1 6	25 42	4 18	9 24	9 2	7 27	10 0	0 13
M22	23 19	12 35	4 50	25 10	1 44	23 28	1 11	14 49	0 48	3 14	1 22	18 55	1 1	23 26	0 26	9 18	1 6	25 42	4 18	9 27	9 3	7 29	10 0	0 13
T 23	23 16	15 17	5 3	25 9	1 48	23 19	1 12	15 2	0 47	3 13	1 22	18 53	1 1	23 26	0 26	9 18	1 6	25 42	4 18	9 30	9 5	7 31	9 59	0 12
W24	23 12	17 22	5 3	25 7	1 51	23 9	1 14	15 14	0 47	3 12	1 22	18 52	1 1	23 26	0 26	9 17	1 6	25 43	4 18	9 34	9 6	7 33	9 59	0 12
T 25	23 7	18 39	4 48	25 2	1 54	22 59	1 15	15 26	0 46	3 12	1 23	18 50	1 1	23 26	0 26	9 17	1 6	25 43	4 18	9 38	9 7	7 35	9 59	0 12
F 26	23 2	19 2	4 18	24 57	1 57	22 48	1 17	15 38	0 46	3 12	1 23	18 48	1 1	23 27	0 26	9 16	1 6	25 43	4 18	9 42	9 8	7 37	9 59	0 12
S 27	22 56	18 26	3 34	24 49	1 59	22 36	1 18	15 49	0 45	3 11	1 23	18 46	1 1	23 27	0 26	9 16	1 6	25 43	4 19	9 45	9 9	7 38	9 59	0 12
S 28	22 50	16 49	2 39	24 40	2 1	22 23	1 19	16 1	0 45	3 11	1 23	18 44	1 1	23 27	0 26	9 15	1 6	25 44	4 19	9 47	9 10	7 40	9 59	0 12
M29	22 44	14 17	1 33	24 30	2 2	22 10	1 20	16 13	0 44	3 11	1 24	18 43	1 1	23 27	0 26	9 14	1 6	25 44	4 19	9 48	9 12	7 42	9 58	0 12
T 30	22 37	10 56	0 22	24 17	2 4	21 56	1 21	16 24	0 44	3 11	1 24	18 41	1 1	23 28	0 26	9 14	1 6	25 44	4 19	9 49	9 13	7 44	9 58	0 12
W31	22s29	6n58	0n52	24s 4	2s 4	21s42	1s23	16s35	0n43	3n11	1n24	18s39	1s 1	23n28	0n26	9s13	1s 6	25n45	4n19	9n49	9n14	7n46	9n58	0n12

Julian Day Number = 2158596.5, Delta T = 13m26s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'23, Lahiri = 12°40'23 Julian Calendar 1 Dec. 1197 == Greg. Calendar 8 Dec. 1197

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

JANUARY 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 31	17♉44'28	28♍16	21♉56	0♒44	18♏42	25♍16	10♒40	11°R30	9♓ 7	23°R25	4♍45	6♍16	0♋33	25♈12	T 1
F 2	7 12 27	18°45'33	12♎16	23°38	1°59	19°21	25°16	10°47	11♋28	9° 8	23♋24	4°R46	6°12	0°39	25°12	F 2
S 3	7 16 24	19°46'37	26°22	25°21	3°14	19°59	25°R16	10°54	11°25	9°10	23°22	4°46	6° 9	0°46	25°13	S 3
S 4	7 20 20	20°47'41	10♏35	27° 5	4°29	20°38	25°16	11° 1	11°22	9°11	23°21	4°44	6° 6	0°53	25°13	S 4
M 5	7 24 17	21°48'44	24°52	28°48	5°45	21°16	25°16	11° 8	11°20	9°13	23°20	4°41	6° 3	1° 0	25°13	M 5
T 6	7 28 13	22°49'47	9♐ 9	0♒32	7° 0	21°55	25°15	11°15	11°17	9°15	23°18	4°35	6° 0	1° 6	25°14	T 6
W 7	7 32 10	23°50'49	23°24	2°17	8°15	22°34	25°14	11°22	11°15	9°16	23°17	4°29	5°56	1°13	25°14	W 7
T 8	7 36 6	24°51'50	7♉29	4° 1	9°30	23°12	25°13	11°29	11°12	9°18	23°16	4°22	5°53	1°20	25°15	T 8
F 9	7 40 3	25°52'51	21°22	5°46	10°45	23°51	25°12	11°36	11°10	9°20	23°14	4°16	5°50	1°26	25°16	F 9
S 10	7 44 0	26°53'51	4♒57	7°30	12° 0	24°29	25°11	11°43	11° 7	9°22	23°13	4°11	5°47	1°33	25°16	S 10
S 11	7 47 56	27°54'49	18°13	9°14	13°15	25° 8	25°10	11°50	11° 5	9°24	23°11	4° 8	5°44	1°40	25°17	S 11
M12	7 51 53	28°55'47	1♓ 8	10°58	14°30	25°47	25° 8	11°57	11° 2	9°25	23°10	4°D 6	5°41	1°46	25°18	M12
T 13	7 55 49	29°56'43	13°44	12°42	15°45	26°25	25° 6	12° 4	11° 0	9°27	23° 9	4° 7	5°37	1°53	25°19	T 13
W14	7 59 46	0♒57'37	26° 2	14°24	17° 0	27° 4	25° 4	12°12	10°58	9°29	23° 7	4° 8	5°34	2° 0	25°20	W14
T 15	8 3 42	1°58'31	8♈ 7	16° 5	18°15	27°42	25° 2	12°19	10°55	9°31	23° 6	4°10	5°31	2° 7	25°21	T 15
F 16	8 7 39	2°59'23	20° 3	17°45	19°30	28°21	24°59	12°26	10°53	9°33	23° 5	4°12	5°28	2°13	25°22	F 16
S 17	8 11 35	4° 0'13	1♉54	19°23	20°45	28°59	24°57	12°33	10°50	9°35	23° 3	4°R12	5°25	2°20	25°23	S 17
S 18	8 15 32	5° 1'02	13°46	20°59	22° 0	29°38	24°54	12°40	10°48	9°37	23° 2	4°12	5°22	2°27	25°24	S 18
M19	8 19 29	6° 1'50	25°44	22°32	23°15	0♐16	24°51	12°48	10°46	9°39	23° 1	4°10	5°18	2°33	25°25	M19
T 20	8 23 25	7° 2'36	7♊51	24° 1	24°30	0°55	24°48	12°55	10°44	9°41	22°59	4° 7	5°15	2°40	25°27	T 20
W21	8 27 22	8° 3'20	20°12	25°27	25°45	1°33	24°45	13° 2	10°41	9°43	22°58	4° 3	5°12	2°47	25°28	W21
T 22	8 31 18	9° 4'03	2♋51	26°47	27° 0	2°12	24°41	13° 9	10°39	9°45	22°57	3°59	5° 9	2°53	25°29	T 22
F 23	8 35 15	10° 4'45	15°47	28° 3	28°14	2°50	24°37	13°17	10°37	9°47	22°56	3°55	5° 6	3° 0	25°31	F 23
S 24	8 39 11	11° 5'24	29° 3	29°12	29°29	3°29	24°34	13°24	10°35	9°49	22°54	3°52	5° 2	3° 7	25°32	S 24
S 25	8 43 8	12° 6'03	12♌37	0♓15	0♓44	4° 7	24°30	13°31	10°33	9°51	22°53	3°50	4°59	3°14	25°34	S 25
M26	8 47 4	13° 6'39	26°26	1°10	1°59	4°45	24°25	13°39	10°31	9°53	22°52	3°48	4°56	3°20	25°35	M26
T 27	8 51 1	14° 7'15	10♍28	1°57	3°13	5°24	24°21	13°46	10°28	9°55	22°50	3°D48	4°53	3°27	25°37	T 27
W28	8 54 58	15° 7'49	24°38	2°35	4°28	6° 2	24°16	13°53	10°26	9°57	22°49	3°49	4°50	3°34	25°39	W28
T 29	8 58 54	16° 8'21	8♎53	3° 3	5°43	6°41	24°12	14° 0	10°24	9°59	22°48	3°50	4°47	3°40	25°41	T 29
F 30	9 2 51	17° 8'53	23°10	3°22	6°57	7°19	24° 7	14° 8	10°23	10° 1	22°47	3°52	4°43	3°47	25°43	F 30
S 31	9 6 47	18♒ 9'23	7♏25	3°R31	8♓12	7♐57	24♍ 2	14♒15	10♋21	10♓ 3	22♋45	3♍53	4♍40	3♋54	25♈44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s22	2n35	2n 4	23s48	2s 5	21s26	1s24	16s47	0n43	3n11	1n25	18s37	1s 1	23n28	0n26	9s13	1s 6	25n45	4n19	9n49	9n15	7n48	9n58	0n12
F 2	22 13	1s58	3 9	23 30	2 5	21 10	1 25	16 58	0 42	3 11	1 25	18 35	1 1	23 28	0 26	9 12	1 6	25 45	4 19	9 48	9 16	7 49	9 58	0 12
S 3	22 5	6 27	4 3	23 11	2 4	20 54	1 25	17 9	0 42	3 11	1 25	18 33	1 1	23 29	0 26	9 11	1 6	25 46	4 19	9 48	9 18	7 51	9 58	0 11
S 4	21 55	10 35	4 42	22 51	2 3	20 37	1 26	17 19	0 41	3 12	1 25	18 31	1 1	23 29	0 26	9 11	1 6	25 46	4 19	9 49	9 19	7 53	9 58	0 11
M 5	21 46	14 8	5 5	22 28	2 2	20 19	1 27	17 30	0 41	3 12	1 26	18 30	1 1	23 29	0 26	9 10	1 6	25 46	4 19	9 50	9 20	7 55	9 58	0 11
T 6	21 36	16 50	5 8	22 4	2 0	20 1	1 28	17 41	0 40	3 13	1 26	18 28	1 2	23 29	0 26	9 9	1 6	25 47	4 19	9 52	9 21	7 57	9 59	0 11
W 7	21 26	18 30	4 53	21 38	1 57	19 42	1 28	17 51	0 39	3 13	1 26	18 26	1 2	23 29	0 26	9 9	1 6	25 47	4 20	9 55	9 22	7 59	9 59	0 11
T 8	21 15	19 1	4 19	21 10	1 54	19 23	1 29	18 2	0 39	3 14	1 27	18 24	1 2	23 30	0 26	9 8	1 6	25 47	4 20	9 57	9 23	8 0	9 59	0 11
F 9	21 4	18 21	3 31	20 41	1 50	19 3	1 30	18 12	0 38	3 14	1 27	18 22	1 2	23 30	0 26	9 7	1 6	25 48	4 20	9 59	9 25	8 2	9 59	0 11
S 10	20 52	16 39	2 32	20 10	1 46	18 42	1 30	18 22	0 38	3 15	1 27	18 20	1 2	23 30	0 26	9 7	1 6	25 48	4 20	10 1	9 26	8 4	9 59	0 11
S 11	20 40	14 5	1 26	19 38	1 40	18 21	1 30	18 32	0 37	3 16	1 27	18 18	1 2	23 30	0 26	9 6	1 6	25 48	4 20	10 2	9 27	8 6	9 59	0 11
M12	20 28	10 52	0 16	19 4	1 35	18 0	1 31	18 42	0 36	3 17	1 28	18 16	1 2	23 31	0 26	9 5	1 6	25 49	4 20	10 3	9 28	8 8	10 0	0 11
T 13	20 15	7 14	0s52	18 29	1 28	17 38	1 31	18 51	0 36	3 18	1 28	18 14	1 2	23 31	0 26	9 5	1 6	25 49	4 20	10 3	9 29	8 10	10 0	0 11
W14	20 2	3 22	1 57	17 52	1 21	17 15	1 31	19 1	0 35	3 19	1 28	18 12	1 2	23 31	0 26	9 4	1 6	25 49	4 20	10 2	9 30	8 11	10 0	0 11
T 15	19 48	0n33	2 55	17 14	1 13	16 52	1 31	19 10	0 34	3 20	1 28	18 10	1 2	23 31	0 26	9 3	1 6	25 49	4 20	10 1	9 32	8 13	10 0	0 10
F 16	19 34	4 24	3 45	16 36	1 4	16 29	1 31	19 20	0 34	3 21	1 29	18 8	1 2	23 31	0 26	9 2	1 6	25 50	4 20	10 1	9 33	8 15	10 1	0 10
S 17	19 20	8 2	4 25	15 56	0 55	16 5	1 31	19 29	0 33	3 23	1 29	18 6	1 2	23 32	0 26	9 2	1 6	25 50	4 20	10 0	9 34	8 17	10 1	0 10
S 18	19 6	11 22	4 54	15 16	0 44	15 40	1 31	19 38	0 32	3 24	1 29	18 4	1 2	23 32	0 26	9 1	1 6	25 50	4 20	10 1	9 35	8 19	10 1	0 10
M19	18 51	14 15	5 10	14 35	0 33	15 15	1 31	19 47	0 32	3 25	1 30	18 2	1 2	23 32	0 26	9 0	1 6	25 51	4 20	10 1	9 36	8 21	10 2	0 10
T 20	18 35	16 34	5 13	13 54	0 21	14 50	1 31	19 55	0 31	3 27	1 30	18 0	1 2	23 32	0 26	8 59	1 6	25 51	4 20	10 2	9 37	8 22	10 2	0 10
W21	18 20	18 10	5 1	13 14	0 9	14 25	1 31	20 4	0 30	3 28	1 30	17 58	1 2	23 32	0 26	8 59	1 6	25 51	4 20	10 4	9 39	8 24	10 3	0 10
T 22	18 4	18 56	4 35	12 34	0n 5	13 59	1 30	20 12	0 30	3 30	1 30	17 56	1 2	23 32	0 26	8 58	1 6	25 51	4 20	10 5	9 40	8 26	10 3	0 10
F 23	17 48	18 44	3 54	11 54	0 19	13 32	1 30	20 20	0 29	3 32	1 31	17 54	1 2	23 33	0 26	8 57	1 6	25 52	4 20	10 7	9 41	8 28	10 3	0 10
S 24	17 31	17 30	3 0	11 16	0 34	13 6	1 29	20 29	0 28	3 34	1 31	17 52	1 2	23 33	0 26	8 56	1 6	25 52	4 20	10 8	9 42	8 30	10 4	0 10
S 25	17 14	15 16	1 54	10 40	0 49	12 39	1 29	20 37	0 27	3 35	1 31	17 50	1 2	23 33	0 26	8 56	1 6	25 52	4 20	10 9	9 43	8 31	10 4	0 10
M26	16 57	12 7	0 41	10 6	1 5	12 11	1 28	20 44	0 27	3 37	1 31	17 48	1 3	23 33	0 26	8 55	1 6	25 52	4 20	10 9	9 44	8 33	10 5	0 9
T 27	16 40	8 15	0n37	9 34	1 21	11 43	1 27	20 52	0 26	3 39	1 32	17 46	1 3	23 33	0 26	8 54	1 6	25 53	4 21	10 9	9 46	8 35	10 5	0 9
W28	16 22	3 52	1 53	9 6	1 37	11 15	1 27	21 0	0 25	3 41	1 32	17 44	1 3	23 33	0 26	8 53	1 6	25 53	4 21	10 9	9 47	8 37	10 6	0 9
T 29	16 4	0s45	3 2	8 40	1 53	10 47	1 26	21 7	0 24	3 43	1 32	17 42	1 3	23 34	0 26	8 52	1 6	25 53	4 21	10 9	9 48	8 39	10 7	0 9
F 30	15 46	5 19	4 0	8 19	2 9	10 19	1 25	21 14	0 24	3 45	1 32	17 40	1 3	23 34	0 26	8 52	1 6	25 53	4 21	10 8	9 49	8 41	10 7	0 9
S 31	15s27	9s35	4n43	8s 1	2n24	9s50	1s24	21s21	0n23	3n48	1n33	17s38	1s 3	23n34	0n26	8s51	1s 6	25n54	4n21	10n 8	9n50	8n42	10n 8	0n 9

Julian Day Number = 2158627.5, Delta T = 13m26s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'27, Lahiri = 12°40'27 Julian Calendar 1 Jan. 1198 == Greg. Calendar 8 Jan. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

FEBRUARY 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 44	19♒ 9'51	21♏36	3°R29	9♓26	8♐36	23°R57	14♒22	10°R19	10♓ 5	22°R44	3°R53	4♍37	4♉ 0	25♈46	S 1
M 2	9 14 40	20°10'19	5♐41	3♓17	10°41	9°14	23♍52	14°29	10♋17	10° 8	22♋43	3♍52	4°34	4° 7	25°48	M 2
T 3	9 18 37	21°10'45	19°38	2°56	11°55	9°52	23°46	14°37	10°15	10°10	22°42	3°51	4°31	4°14	25°50	T 3
W 4	9 22 33	22°11'09	3♑26	2°25	13°10	10°31	23°40	14°44	10°13	10°12	22°41	3°50	4°28	4°21	25°52	W 4
T 5	9 26 30	23°11'33	17° 2	1°45	14°24	11° 9	23°35	14°51	10°12	10°14	22°40	3°48	4°24	4°27	25°55	T 5
F 6	9 30 27	24°11'54	0♒26	0°58	15°39	11°47	23°29	14°58	10°10	10°16	22°38	3°47	4°21	4°34	25°57	F 6
S 7	9 34 23	25°12'14	13°37	0° 5	16°53	12°25	23°23	15° 6	10° 8	10°19	22°37	3°46	4°18	4°41	25°59	S 7
S 8	9 38 20	26°12'33	26°32	29♒ 7	18° 8	13° 4	23°17	15°13	10° 7	10°21	22°36	3°46	4°15	4°47	26° 1	S 8
M 9	9 42 16	27°12'49	9♓14	28° 6	19°22	13°42	23°10	15°20	10° 5	10°23	22°35	3°D46	4°12	4°54	26° 4	M 9
T 10	9 46 13	28°13'03	21°40	27° 3	20°36	14°20	23° 4	15°27	10° 4	10°25	22°34	3°46	4° 8	5° 1	26° 6	T 10
W11	9 50 9	29°13'16	3♈54	25°59	21°50	14°58	22°58	15°34	10° 2	10°27	22°33	3°46	4° 5	5° 7	26° 8	W11
T 12	9 54 6	0♓13'26	15°58	24°57	23° 5	15°36	22°51	15°41	10° 1	10°30	22°32	3°47	4° 2	5°14	26°11	T 12
F 13	9 58 2	1°13'35	27°54	23°57	24°19	16°14	22°44	15°49	9°59	10°32	22°31	3°47	3°59	5°21	26°13	F 13
S 14	10 1 59	2°13'41	9♉45	23° 1	25°33	16°52	22°37	15°56	9°58	10°34	22°30	3°47	3°56	5°28	26°16	S 14
S 15	10 5 56	3°13'46	21°37	22°10	26°47	17°30	22°31	16° 3	9°57	10°36	22°29	3°47	3°53	5°34	26°19	S 15
M16	10 9 52	4°13'48	3♊34	21°24	28° 1	18° 8	22°24	16°10	9°56	10°39	22°28	3°47	3°49	5°41	26°21	M16
T 17	10 13 49	5°13'48	15°40	20°44	29°15	18°46	22°16	16°17	9°54	10°41	22°27	3°47	3°46	5°48	26°24	T 17
W18	10 17 45	6°13'46	27°59	20°11	0♈29	19°24	22° 9	16°24	9°53	10°43	22°26	3°48	3°43	5°54	26°27	W18
T 19	10 21 42	7°13'41	10♋37	19°44	1°43	20° 2	22° 2	16°31	9°52	10°46	22°25	3°48	3°40	6° 1	26°29	T 19
F 20	10 25 38	8°13'35	23°36	19°24	2°57	20°40	21°55	16°38	9°51	10°48	22°24	3°48	3°37	6° 8	26°32	F 20
S 21	10 29 35	9°13'26	6♌59	19°11	4°11	21°18	21°47	16°45	9°50	10°50	22°23	3°49	3°34	6°15	26°35	S 21
S 22	10 33 31	10°13'15	20°45	19° 3	5°25	21°56	21°40	16°52	9°49	10°52	22°23	3°49	3°30	6°21	26°38	S 22
M23	10 37 28	11°13'02	4♍53	19°D 3	6°38	22°34	21°32	16°58	9°48	10°55	22°22	3°R49	3°27	6°28	26°41	M23
T 24	10 41 25	12°12'46	19°19	19° 8	7°52	23°11	21°25	17° 5	9°48	10°57	22°21	3°49	3°24	6°35	26°44	T 24
W25	10 45 21	13°12'29	3♎58	19°19	9° 6	23°49	21°17	17°12	9°47	10°59	22°20	3°48	3°21	6°41	26°47	W25
T 26	10 49 18	14°12'10	18°42	19°35	10°19	24°27	21°10	17°19	9°46	11° 1	22°19	3°47	3°18	6°48	26°50	T 26
F 27	10 53 14	15°11'49	3♏25	19°57	11°33	25° 5	21° 2	17°26	9°45	11° 4	22°19	3°46	3°14	6°55	26°53	F 27
S 28	10 57 11	16♓11'26	18♏ 1	20♒24	12♈46	25♐42	20♍54	17♒32	9♋45	11♓ 6	22♋18	3♍45	3♍11	7♉ 1	26♈56	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 8	13s16	5n 9	7s48	2n39	9s21	1s23	21s28	0n22	3n50	1n33	17s36	1s 3	23n34	0n26	8s50	1s 6	25n54	4n21	10n 8	9n51	8n44	10n 8	0n 9
M 2	14 49	16 9	5 16	7 39	2 53	8 51	1 22	21 35	0 21	3 52	1 33	17 34	1 3	23 34	0 26	8 49	1 6	25 54	4 21	10 8	9 53	8 46	10 9	0 9
T 3	14 30	18 5	5 4	7 35	3 6	8 22	1 21	21 41	0 20	3 55	1 33	17 31	1 3	23 34	0 26	8 48	1 6	25 54	4 21	10 8	9 54	8 48	10 10	0 9
W 4	14 10	18 55	4 35	7 35	3 17	7 52	1 19	21 48	0 19	3 57	1 33	17 29	1 3	23 34	0 26	8 47	1 6	25 54	4 21	10 9	9 55	8 50	10 10	0 9
T 5	13 51	18 38	3 51	7 40	3 27	7 22	1 18	21 54	0 19	3 59	1 34	17 27	1 3	23 35	0 26	8 47	1 6	25 55	4 21	10 9	9 56	8 51	10 11	0 9
F 6	13 31	17 18	2 54	7 50	3 35	6 52	1 17	22 0	0 18	4 2	1 34	17 25	1 3	23 35	0 26	8 46	1 6	25 55	4 21	10 10	9 57	8 53	10 12	0 9
S 7	13 10	15 4	1 49	8 3	3 41	6 21	1 15	22 6	0 17	4 5	1 34	17 23	1 3	23 35	0 26	8 45	1 6	25 55	4 21	10 10	9 58	8 55	10 13	0 8
S 8	12 50	12 6	0 40	8 19	3 45	5 51	1 14	22 12	0 16	4 7	1 34	17 21	1 3	23 35	0 26	8 44	1 6	25 55	4 21	10 10	10 0	8 57	10 13	0 8
M 9	12 29	8 37	0s30	8 39	3 46	5 20	1 12	22 18	0 15	4 10	1 34	17 19	1 4	23 35	0 26	8 43	1 6	25 55	4 21	10 10	10 1	8 59	10 14	0 8
T 10	12 9	4 49	1 38	9 1	3 45	4 49	1 11	22 23	0 14	4 13	1 35	17 17	1 4	23 35	0 26	8 42	1 6	25 56	4 21	10 10	10 2	9 0	10 15	0 8
W11	11 48	0 53	2 40	9 25	3 42	4 18	1 9	22 28	0 13	4 15	1 35	17 15	1 4	23 35	0 26	8 42	1 6	25 56	4 21	10 10	10 3	9 2	10 16	0 8
T 12	11 26	3n 1	3 33	9 51	3 38	3 47	1 7	22 33	0 12	4 18	1 35	17 13	1 4	23 35	0 26	8 41	1 6	25 56	4 21	10 10	10 4	9 4	10 17	0 8
F 13	11 5	6 46	4 17	10 17	3 31	3 16	1 5	22 38	0 11	4 21	1 35	17 11	1 4	23 35	0 26	8 40	1 6	25 56	4 21	10 10	10 5	9 6	10 17	0 8
S 14	10 44	10 13	4 50	10 43	3 22	2 45	1 4	22 43	0 10	4 24	1 35	17 9	1 4	23 36	0 26	8 39	1 6	25 56	4 21	10 10	10 7	9 8	10 18	0 8
S 15	10 22	13 15	5 10	11 9	3 12	2 14	1 2	22 48	0 9	4 27	1 35	17 7	1 4	23 36	0 26	8 38	1 6	25 57	4 21	10 10	10 8	9 9	10 19	0 8
M16	10 0	15 46	5 17	11 34	3 1	1 42	1 0	22 52	0 8	4 29	1 35	17 5	1 4	23 36	0 26	8 37	1 6	25 57	4 21	10 10	10 9	9 11	10 20	0 8
T 17	9 38	17 37	5 11	11 58	2 49	1 11	0 58	22 57	0 7	4 32	1 36	17 3	1 4	23 36	0 26	8 36	1 6	25 57	4 21	10 10	10 10	9 13	10 21	0 8
W18	9 16	18 42	4 50	12 21	2 36	0 39	0 56	23 1	0 6	4 35	1 36	17 1	1 4	23 36	0 26	8 36	1 6	25 57	4 21	10 10	10 11	9 15	10 22	0 8
T 19	8 54	18 53	4 14	12 42	2 23	0 8	0 53	23 5	0 5	4 38	1 36	16 59	1 5	23 36	0 26	8 35	1 6	25 57	4 21	10 9	10 12	9 17	10 23	0 8
F 20	8 31	18 6	3 25	13 2	2 9	0n24	0 51	23 9	0 4	4 41	1 36	16 57	1 5	23 36	0 26	8 34	1 6	25 57	4 21	10 9	10 14	9 19	10 24	0 7
S 21	8 9	16 17	2 24	13 19	1 55	0 55	0 49	23 12	0 3	4 44	1 36	16 55	1 5	23 36	0 26	8 33	1 6	25 57	4 21	10 9	10 15	9 20	10 25	0 7
S 22	7 46	13 30	1 12	13 35	1 40	1 27	0 47	23 16	0 2	4 47	1 36	16 53	1 5	23 36	0 26	8 32	1 6	25 58	4 21	10 9	10 16	9 22	10 26	0 7
M23	7 23	9 51	0n 6	13 49	1 26	1 58	0 44	23 19	0 1	4 51	1 36	16 51	1 5	23 36	0 26	8 31	1 6	25 58	4 21	10 9	10 17	9 24	10 27	0 7
T 24	7 0	5 33	1 25	14 0	1 12	2 29	0 42	23 22	0s 0	4 54	1 36	16 49	1 5	23 36	0 26	8 30	1 6	25 58	4 21	10 9	10 18	9 26	10 28	0 7
W25	6 38	0 51	2 39	14 10	0 58	3 1	0 40	23 25	0 1	4 57	1 37	16 47	1 5	23 36	0 26	8 29	1 6	25 58	4 21	10 9	10 19	9 27	10 29	0 7
T 26	6 15	3s54	3 44	14 18	0 45	3 32	0 37	23 28	0 3	5 0	1 37	16 45	1 5	23 36	0 26	8 29	1 6	25 58	4 21	10 10	10 20	9 29	10 30	0 7
F 27	5 51	8 25	4 33	14 24	0 31	4 3	0 35	23 31	0 4	5 3	1 37	16 43	1 5	23 36	0 26	8 28	1 6	25 58	4 21	10 10	10 22	9 31	10 31	0 7
S 28	5s28	12s23	5n 5	14s28	0n18	4n34	0s32	23s33	0s 5	5n 6	1n37	16s41	1s 5	23n36	0n26	8s27	1s 6	25n58	4n21	10n11	10n23	9n33	10n32	0n 7

Julian Day Number = 2158658.5, Delta T = 13m26s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'31, Lahiri = 12°40'32 Julian Calendar 1 Feb. 1198 == Greg. Calendar 8 Feb. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

MARCH 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 7	17♓11'02	2♐24	20♒55	14♈ 0	26♐20	20°R47	17♒39	9°R44	11♓ 8	22°R17	3°R44	3♍ 8	7♉ 8	26♈59	S 1
M 2	11 5 4	18°10'36	16°31	21°30	15°13	26°57	20♍39	17°46	9♋44	11°11	22♋16	3°D43	3° 5	7°15	27° 2	M 2
T 3	11 9 0	19°10'08	0♑21	22°10	16°27	27°35	20°31	17°52	9°43	11°13	22°16	3♍44	3° 2	7°22	27° 6	T 3
W 4	11 12 57	20° 9'38	13°53	22°53	17°40	28°13	20°23	17°59	9°43	11°15	22°15	3°44	2°59	7°28	27° 9	W 4
T 5	11 16 54	21° 9'07	27° 9	23°40	18°53	28°50	20°16	18° 5	9°42	11°17	22°15	3°46	2°55	7°35	27°12	T 5
F 6	11 20 50	22° 8'34	10♒10	24°31	20° 6	29°27	20° 8	18°12	9°42	11°20	22°14	3°47	2°52	7°42	27°16	F 6
S 7	11 24 47	23° 7'58	22°57	25°24	21°20	0♑ 5	20° 0	18°18	9°42	11°22	22°13	3°48	2°49	7°48	27°19	S 7
S 8	11 28 43	24° 7'21	5♓31	26°21	22°33	0°42	19°52	18°25	9°42	11°24	22°13	3°R49	2°46	7°55	27°22	S 8
M 9	11 32 40	25° 6'42	17°55	27°20	23°46	1°19	19°45	18°31	9°42	11°26	22°12	3°48	2°43	8° 2	27°26	M 9
T 10	11 36 36	26° 6'00	0♈ 9	28°22	24°59	1°57	19°37	18°37	9°41	11°28	22°12	3°46	2°39	8° 9	27°29	T 10
W11	11 40 33	27° 5'17	12°14	29°27	26°12	2°34	19°29	18°43	9°D41	11°31	22°11	3°43	2°36	8°15	27°32	W11
T 12	11 44 29	28° 4'31	24°13	0♓34	27°25	3°11	19°22	18°50	9°41	11°33	22°11	3°39	2°33	8°22	27°36	T 12
F 13	11 48 26	29° 3'44	6♉ 7	1°44	28°38	3°48	19°14	18°56	9°42	11°35	22°11	3°35	2°30	8°29	27°39	F 13
S 14	11 52 22	0♈ 2'54	17°58	2°55	29°50	4°25	19° 6	19° 2	9°42	11°37	22°10	3°30	2°27	8°35	27°43	S 14
S 15	11 56 19	1° 2'02	29°50	4° 9	1♉ 3	5° 2	18°59	19° 8	9°42	11°39	22°10	3°26	2°24	8°42	27°46	S 15
M16	12 0 16	2° 1'07	11♊45	5°25	2°16	5°39	18°51	19°14	9°42	11°42	22° 9	3°23	2°20	8°49	27°50	M16
T 17	12 4 12	3° 0'10	23°49	6°42	3°28	6°16	18°44	19°20	9°42	11°44	22° 9	3°22	2°17	8°56	27°54	T 17
W18	12 8 9	3°59'11	6♋ 5	8° 2	4°41	6°53	18°37	19°26	9°43	11°46	22° 9	3°D21	2°14	9° 2	27°57	W18
T 19	12 12 5	4°58'10	18°39	9°23	5°53	7°29	18°30	19°32	9°43	11°48	22° 9	3°22	2°11	9° 9	28° 1	T 19
F 20	12 16 2	5°57'06	1♌33	10°47	7° 6	8° 6	18°22	19°38	9°44	11°50	22° 8	3°23	2° 8	9°16	28° 4	F 20
S 21	12 19 58	6°56'00	14°53	12°12	8°18	8°43	18°15	19°43	9°44	11°52	22° 8	3°25	2° 5	9°22	28° 8	S 21
S 22	12 23 55	7°54'51	28°39	13°38	9°31	9°19	18° 8	19°49	9°45	11°54	22° 8	3°R26	2° 1	9°29	28°12	S 22
M23	12 27 51	8°53'41	12♍53	15° 7	10°43	9°56	18° 1	19°55	9°45	11°56	22° 8	3°26	1°58	9°36	28°16	M23
T 24	12 31 48	9°52'28	27°31	16°37	11°55	10°32	17°55	20° 0	9°46	11°59	22° 8	3°24	1°55	9°43	28°19	T 24
W25	12 35 45	10°51'13	12♎28	18° 9	13° 7	11° 8	17°48	20° 6	9°47	12° 1	22° 7	3°20	1°52	9°49	28°23	W25
T 26	12 39 41	11°49'56	27°35	19°42	14°19	11°45	17°41	20°11	9°47	12° 3	22° 7	3°15	1°49	9°56	28°27	T 26
F 27	12 43 38	12°48'37	12♏43	21°18	15°31	12°21	17°35	20°16	9°48	12° 5	22° 7	3° 9	1°45	10° 3	28°30	F 27
S 28	12 47 34	13°47'16	27°42	22°54	16°43	12°57	17°29	20°22	9°49	12° 7	22° 7	3° 4	1°42	10° 9	28°34	S 28
S 29	12 51 31	14°45'54	12♐23	24°33	17°55	13°33	17°22	20°27	9°50	12° 9	22°D 7	2°59	1°39	10°16	28°38	S 29
M30	12 55 27	15°44'30	26°43	26°13	19° 6	14° 9	17°16	20°32	9°51	12°11	22° 7	2°55	1°36	10°23	28°42	M30
T 31	12 59 24	16♈43'04	10♑37	27♓54	20♉18	14♑45	17♍10	20♒37	9♋52	12♓13	22♋ 7	2♍54	1♍33	10♉30	28♈46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 5	15s33	5n16	14s30	0n 6	5n 5	0s29	23s36	0s 6	5n 9	1n37	16s39	1s 6	23n36	0n26	8s26	1s 6	25n58	4n21	10n11	10n24	9n35	10n33	0n 7
M 2	4 42	17 44	5 9	14 30	0s 6	5 36	0 27	23 38	0 7	5 12	1 37	16 37	1 6	23 36	0 26	8 25	1 6	25 58	4 21	10 11	10 25	9 36	10 34	0 7
T 3	4 18	18 49	4 43	14 28	0 18	6 7	0 24	23 40	0 9	5 15	1 37	16 35	1 6	23 36	0 25	8 24	1 6	25 58	4 20	10 11	10 26	9 38	10 35	0 7
W 4	3 55	18 48	4 2	14 24	0 29	6 38	0 21	23 42	0 10	5 18	1 37	16 33	1 6	23 36	0 25	8 24	1 6	25 59	4 20	10 11	10 27	9 40	10 36	0 6
T 5	3 31	17 44	3 9	14 19	0 40	7 8	0 19	23 43	0 11	5 22	1 37	16 31	1 6	23 36	0 25	8 23	1 6	25 59	4 20	10 10	10 28	9 42	10 37	0 6
F 6	3 8	15 44	2 7	14 12	0 50	7 39	0 16	23 45	0 12	5 25	1 37	16 29	1 6	23 36	0 25	8 22	1 6	25 59	4 20	10 10	10 30	9 44	10 38	0 6
S 7	2 44	12 59	1 0	14 3	1 0	8 9	0 13	23 46	0 14	5 28	1 37	16 28	1 6	23 36	0 25	8 21	1 6	25 59	4 20	10 9	10 31	9 45	10 39	0 6
S 8	2 21	9 40	0s 9	13 52	1 9	8 39	0 10	23 47	0 15	5 31	1 37	16 26	1 6	23 36	0 25	8 20	1 6	25 59	4 20	10 9	10 32	9 47	10 41	0 6
M 9	1 57	5 59	1 17	13 40	1 18	9 9	0 7	23 48	0 16	5 34	1 37	16 24	1 7	23 36	0 25	8 19	1 6	25 59	4 20	10 9	10 33	9 49	10 42	0 6
T 10	1 33	2 5	2 20	13 26	1 26	9 38	0 4	23 49	0 18	5 37	1 37	16 22	1 7	23 36	0 25	8 18	1 6	25 59	4 20	10 10	10 34	9 51	10 43	0 6
W11	1 10	1n51	3 16	13 11	1 34	10 8	0 2	23 50	0 19	5 40	1 37	16 20	1 7	23 36	0 25	8 18	1 6	25 59	4 20	10 11	10 35	9 53	10 44	0 6
T 12	0 46	5 40	4 3	12 54	1 41	10 37	0n 1	23 51	0 20	5 43	1 37	16 18	1 7	23 36	0 25	8 17	1 6	25 59	4 20	10 13	10 37	9 54	10 45	0 6
F 13	0 22	9 14	4 38	12 35	1 48	11 6	0 4	23 51	0 22	5 46	1 37	16 16	1 7	23 36	0 25	8 16	1 6	25 59	4 20	10 14	10 38	9 56	10 46	0 6
S 14	0n 1	12 25	5 2	12 15	1 54	11 35	0 7	23 51	0 23	5 49	1 37	16 15	1 7	23 36	0 25	8 15	1 6	25 59	4 20	10 16	10 39	9 58	10 48	0 6
S 15	0 25	15 6	5 13	11 54	2 0	12 3	0 10	23 51	0 25	5 52	1 37	16 13	1 7	23 36	0 25	8 14	1 6	25 59	4 20	10 17	10 40	10 0	10 49	0 6
M16	0 48	17 10	5 10	11 30	2 5	12 31	0 13	23 51	0 26	5 55	1 37	16 11	1 8	23 36	0 25	8 14	1 6	25 59	4 20	10 18	10 41	10 1	10 50	0 6
T 17	1 12	18 31	4 54	11 6	2 10	12 59	0 16	23 51	0 28	5 57	1 37	16 9	1 8	23 36	0 25	8 13	1 6	25 59	4 20	10 19	10 42	10 3	10 51	0 5
W18	1 35	19 1	4 24	10 40	2 14	13 27	0 19	23 51	0 29	6 0	1 37	16 8	1 8	23 36	0 25	8 12	1 6	25 59	4 20	10 19	10 43	10 5	10 53	0 5
T 19	1 59	18 36	3 41	10 13	2 18	13 54	0 23	23 50	0 31	6 3	1 37	16 6	1 8	23 36	0 25	8 11	1 6	25 59	4 20	10 19	10 45	10 7	10 54	0 5
F 20	2 22	17 13	2 45	9 44	2 21	14 21	0 26	23 50	0 32	6 6	1 37	16 4	1 8	23 36	0 25	8 10	1 6	25 59	4 20	10 18	10 46	10 9	10 55	0 5
S 21	2 46	14 51	1 40	9 14	2 24	14 47	0 29	23 49	0 34	6 9	1 37	16 3	1 8	23 36	0 25	8 10	1 6	25 59	4 20	10 18	10 47	10 10	10 56	0 5
S 22	3 9	11 35	0 26	8 42	2 26	15 13	0 32	23 48	0 35	6 11	1 36	16 1	1 8	23 36	0 25	8 9	1 6	25 59	4 20	10 17	10 48	10 12	10 57	0 5
M23	3 32	7 32	0n51	8 10	2 28	15 39	0 35	23 47	0 37	6 14	1 36	15 59	1 9	23 36	0 25	8 8	1 6	25 59	4 20	10 17	10 49	10 14	10 59	0 5
T 24	3 56	2 56	2 7	7 36	2 29	16 4	0 38	23 46	0 38	6 16	1 36	15 58	1 9	23 36	0 25	8 7	1 6	25 59	4 20	10 18	10 50	10 16	11 0	0 5
W25	4 19	1s56	3 16	7 0	2 30	16 30	0 41	23 44	0 40	6 19	1 36	15 56	1 9	23 36	0 25	8 6	1 6	25 59	4 20	10 19	10 51	10 17	11 1	0 5
T 26	4 42	6 44	4 12	6 23	2 30	16 54	0 44	23 43	0 42	6 21	1 36	15 55	1 9	23 36	0 25	8 6	1 6	25 59	4 20	10 21	10 53	10 19	11 3	0 5
F 27	5 5	11 6	4 51	5 46	2 30	17 18	0 47	23 41	0 43	6 24	1 36	15 53	1 9	23 36	0 25	8 5	1 6	25 59	4 20	10 23	10 54	10 21	11 4	0 5
S 28	5 28	14 43	5 8	5 6	2 29	17 42	0 50	23 39	0 45	6 26	1 36	15 51	1 9	23 36	0 25	8 4	1 6	25 59	4 20	10 25	10 55	10 23	11 5	0 5
S 29	5 51	17 19	5 6	4 26	2 28	18 5	0 53	23 37	0 47	6 29	1 36	15 50	1 9	23 36	0 25	8 3	1 6	25 59	4 20	10 27	10 56	10 24	11 6	0 5
M30	6 13	18 46	4 44	3 44	2 26	18 28	0 56	23 35	0 49	6 31	1 36	15 48	1 10	23 35	0 25	8 3	1 6	25 59	4 19	10 28	10 57	10 26	11 8	0 5
T 31	6n36	19s 2	4n 5	3s 2	2s23	18n51	0n59	23s33	0s50	6n33	1n35	15s47	1s10	23n35	0n25	8s 2	1s 7	25n59	4n19	10n29	10n58	10n28	11n 9	0n 4

Julian Day Number = 2158686.5, Delta T = 13m26s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'35, Lahiri = 12°40'35 Julian Calendar 1 March 1198 == Greg. Calendar 8 March 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

APRIL 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 3 20	17♈41'36	24♉ 7	29♓38	21♉30	15♉21	17°R 4	20♒42	9♋53	12♓15	22♋ 7	2°D54	1♍30	10♉36	28♈49	W 1
T 2	13 7 17	18°40'07	7♒14	1♈22	22°41	15°57	16♍59	20°47	9°54	12°16	22° 8	2♍55	1°26	10°43	28°53	T 2
F 3	13 11 13	19°38'37	20° 1	3° 9	23°53	16°32	16°53	20°52	9°55	12°18	22° 8	2°56	1°23	10°50	28°57	F 3
S 4	13 15 10	20°37'04	2♓33	4°57	25° 4	17° 8	16°48	20°57	9°57	12°20	22° 8	2°R57	1°20	10°56	29° 1	S 4
S 5	13 19 7	21°35'30	14°52	6°47	26°15	17°43	16°42	21° 2	9°58	12°22	22° 8	2°56	1°17	11° 3	29° 5	S 5
M 6	13 23 3	22°33'54	27° 1	8°39	27°27	18°19	16°37	21° 6	9°59	12°24	22° 8	2°53	1°14	11°10	29° 9	M 6
T 7	13 27 0	23°32'16	9♈ 3	10°32	28°38	18°54	16°32	21°11	10° 1	12°26	22° 8	2°48	1°10	11°17	29°13	T 7
W 8	13 30 56	24°30'37	21° 1	12°27	29°49	19°29	16°27	21°16	10° 2	12°28	22° 9	2°41	1° 7	11°23	29°16	W 8
T 9	13 34 53	25°28'55	2♉54	14°23	1♊ 0	20° 4	16°22	21°20	10° 4	12°29	22° 9	2°31	1° 4	11°30	29°20	T 9
F 10	13 38 49	26°27'12	14°46	16°22	2°11	20°39	16°18	21°24	10° 5	12°31	22° 9	2°21	1° 1	11°37	29°24	F 10
S 11	13 42 46	27°25'27	26°38	18°21	3°22	21°14	16°13	21°29	10° 7	12°33	22°10	2°10	0°58	11°43	29°28	S 11
S 12	13 46 42	28°23'40	8♊31	20°23	4°32	21°48	16° 9	21°33	10° 8	12°35	22°10	2° 1	0°55	11°50	29°32	S 12
M13	13 50 39	29°21'51	20°28	22°26	5°43	22°23	16° 5	21°37	10°10	12°36	22°10	1°52	0°51	11°57	29°36	M13
T 14	13 54 36	0♉20'01	2♋32	24°30	6°53	22°57	16° 1	21°41	10°12	12°38	22°11	1°46	0°48	12° 4	29°40	T 14
W15	13 58 32	1°18'08	14°48	26°36	8° 4	23°32	15°57	21°45	10°13	12°40	22°11	1°43	0°45	12°10	29°44	W15
T 16	14 2 29	2°16'13	27°17	28°43	9°14	24° 6	15°54	21°49	10°15	12°41	22°12	1°D41	0°42	12°17	29°48	T 16
F 17	14 6 25	3°14'16	10♌ 7	0♉51	10°25	24°40	15°50	21°53	10°17	12°43	22°12	1°41	0°39	12°24	29°51	F 17
S 18	14 10 22	4°12'18	23°19	3° 0	11°35	25°14	15°47	21°57	10°19	12°45	22°13	1°42	0°36	12°30	29°55	S 18
S 19	14 14 18	5°10'17	6♍59	5° 9	12°45	25°48	15°44	22° 1	10°21	12°46	22°13	1°R42	0°32	12°37	29°59	S 19
M20	14 18 15	6° 8'14	21° 7	7°19	13°55	26°21	15°41	22° 4	10°23	12°48	22°14	1°41	0°29	12°44	0♉ 3	M20
T 21	14 22 11	7° 6'10	5♎42	9°30	15° 5	26°55	15°38	22° 8	10°25	12°49	22°14	1°37	0°26	12°51	0° 7	T 21
W22	14 26 8	8° 4'04	20°42	11°40	16°15	27°28	15°36	22°11	10°27	12°51	22°15	1°31	0°23	12°57	0°11	W22
T 23	14 30 5	9° 1'56	5♏56	13°50	17°24	28° 1	15°33	22°14	10°29	12°52	22°16	1°22	0°20	13° 4	0°15	T 23
F 24	14 34 1	9°59'46	21°17	16° 0	18°34	28°34	15°31	22°18	10°31	12°54	22°16	1°13	0°16	13°11	0°19	F 24
S 25	14 37 58	10°57'36	6♐30	18° 9	19°43	29° 7	15°29	22°21	10°34	12°55	22°17	1° 3	0°13	13°17	0°22	S 25
S 26	14 41 54	11°55'23	21°27	20°17	20°53	29°40	15°27	22°24	10°36	12°56	22°18	0°54	0°10	13°24	0°26	S 26
M27	14 45 51	12°53'10	6♑ 0	22°23	22° 2	0♒12	15°26	22°27	10°38	12°58	22°18	0°48	0° 7	13°31	0°30	M27
T 28	14 49 47	13°50'56	20° 4	24°28	23°11	0°45	15°24	22°30	10°40	12°59	22°19	0°43	0° 4	13°38	0°34	T 28
W29	14 53 44	14°48'40	3♒39	26°30	24°20	1°17	15°23	22°33	10°43	13° 0	22°20	0°41	0° 1	13°44	0°38	W29
T 30	14 57 40	15♉46'23	16♒47	28♉31	25♊29	1♒49	15♍22	22♒35	10♋45	13♓ 2	22♋21	0°D41	29♌57	13♉51	0♉41	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n58	18s11	3n15	2s18	2s20	19n13	1n 2	23s31	0s52	6n35	1n35	15s45	1s10	23n35	0n25	8s 1	1s 7	25n59	4n19	10n29	10n59	10n30	11n10	0n 4	W 1
T 2	7 21	16 22	2 15	1 33	2 17	19 34	1 5	23 29	0 54	6 37	1 35	15 44	1 10	23 35	0 25	8 1	1 7	25 59	4 19	10 29	11 0	10 32	11 12	0 4	T 2
F 3	7 43	13 46	1 9	0 46	2 13	19 55	1 8	23 26	0 56	6 39	1 35	15 43	1 10	23 35	0 25	8 0	1 7	25 59	4 19	10 28	11 2	10 33	11 13	0 4	F 3
S 4	8 5	10 35	0 2	0n 1	2 8	20 16	1 11	23 23	0 58	6 41	1 35	15 41	1 10	23 35	0 25	7 59	1 7	25 59	4 19	10 28	11 3	10 35	11 14	0 4	S 4
S 5	8 27	6 58	1s 4	0 49	2 3	20 36	1 14	23 21	1 0	6 43	1 35	15 40	1 11	23 35	0 25	7 58	1 7	25 59	4 19	10 28	11 4	10 37	11 15	0 4	S 5
M 6	8 49	3 7	2 6	1 38	1 58	20 55	1 17	23 18	1 1	6 45	1 35	15 38	1 11	23 35	0 25	7 58	1 7	25 58	4 19	10 29	11 5	10 39	11 17	0 4	M 6
T 7	9 11	0n49	3 2	2 28	1 52	21 14	1 20	23 15	1 3	6 47	1 34	15 37	1 11	23 35	0 25	7 57	1 7	25 58	4 19	10 31	11 6	10 40	11 18	0 4	T 7
W 8	9 32	4 42	3 49	3 19	1 45	21 32	1 22	23 12	1 5	6 49	1 34	15 36	1 11	23 35	0 25	7 56	1 7	25 58	4 19	10 34	11 7	10 42	11 19	0 4	W 8
T 9	9 54	8 22	4 26	4 11	1 38	21 50	1 25	23 9	1 7	6 51	1 34	15 34	1 11	23 34	0 25	7 56	1 7	25 58	4 19	10 37	11 8	10 44	11 21	0 4	T 9
F 10	10 15	11 42	4 51	5 4	1 31	22 7	1 28	23 5	1 9	6 52	1 34	15 33	1 11	23 34	0 25	7 55	1 7	25 58	4 19	10 41	11 10	10 46	11 22	0 4	F 10
S 11	10 36	14 34	5 3	5 57	1 23	22 24	1 31	23 2	1 11	6 54	1 34	15 32	1 12	23 34	0 25	7 55	1 7	25 58	4 19	10 45	11 11	10 47	11 23	0 4	S 11
S 12	10 57	16 50	5 3	6 51	1 15	22 40	1 33	22 58	1 13	6 55	1 33	15 31	1 12	23 34	0 25	7 54	1 7	25 58	4 19	10 48	11 12	10 49	11 25	0 4	S 12
M13	11 18	18 23	4 49	7 45	1 6	22 55	1 36	22 55	1 15	6 57	1 33	15 30	1 12	23 34	0 25	7 53	1 7	25 58	4 19	10 51	11 13	10 51	11 26	0 3	M13
T 14	11 38	19 9	4 22	8 39	0 57	23 10	1 39	22 51	1 18	6 58	1 33	15 28	1 12	23 34	0 25	7 53	1 7	25 58	4 19	10 53	11 14	10 53	11 27	0 3	T 14
W15	11 59	19 1	3 43	9 34	0 47	23 25	1 41	22 47	1 20	6 59	1 33	15 27	1 12	23 34	0 25	7 52	1 7	25 58	4 19	10 55	11 15	10 54	11 29	0 3	W15
T 16	12 19	17 58	2 53	10 29	0 37	23 38	1 44	22 44	1 22	7 0	1 33	15 26	1 13	23 33	0 25	7 51	1 7	25 57	4 19	10 55	11 16	10 56	11 30	0 3	T 16
F 17	12 39	15 59	1 53	11 23	0 27	23 51	1 46	22 40	1 24	7 2	1 32	15 25	1 13	23 33	0 25	7 51	1 7	25 57	4 19	10 55	11 17	10 58	11 31	0 3	F 17
S 18	12 59	13 6	0 45	12 18	0 17	24 3	1 48	22 36	1 26	7 3	1 32	15 24	1 13	23 33	0 25	7 50	1 7	25 57	4 19	10 55	11 19	11 0	11 32	0 3	S 18
S 19	13 18	9 25	0n28	13 12	0 7	24 15	1 51	22 31	1 28	7 4	1 32	15 23	1 13	23 33	0 25	7 50	1 7	25 57	4 19	10 55	11 20	11 1	11 34	0 3	S 19
M20	13 37	5 5	1 42	14 5	0n 4	24 26	1 53	22 27	1 31	7 5	1 32	15 22	1 13	23 33	0 25	7 49	1 7	25 57	4 19	10 55	11 21	11 3	11 35	0 3	M20
T 21	13 57	0 20	2 51	14 57	0 15	24 37	1 55	22 23	1 33	7 6	1 32	15 21	1 13	23 33	0 25	7 49	1 7	25 57	4 18	10 57	11 22	11 5	11 36	0 3	T 21
W22	14 15	4s34	3 50	15 48	0 25	24 46	1 57	22 19	1 35	7 6	1 31	15 20	1 14	23 32	0 25	7 48	1 7	25 57	4 18	10 59	11 23	11 7	11 38	0 3	W22
T 23	14 34	9 15	4 33	16 38	0 36	24 55	1 59	22 14	1 38	7 7	1 31	15 19	1 14	23 32	0 25	7 48	1 7	25 56	4 18	11 2	11 24	11 8	11 39	0 3	T 23
F 24	14 53	13 22	4 58	17 26	0 46	25 4	2 1	22 10	1 40	7 8	1 31	15 18	1 14	23 32	0 25	7 47	1 7	25 56	4 18	11 5	11 25	11 10	11 40	0 3	F 24
S 25	15 11	16 33	5 1	18 12	0 56	25 11	2 3	22 5	1 42	7 8	1 31	15 17	1 14	23 32	0 25	7 47	1 7	25 56	4 18	11 9	11 26	11 12	11 42	0 3	S 25
S 26	15 29	18 33	4 43	18 57	1 6	25 18	2 5	22 1	1 45	7 9	1 31	15 17	1 14	23 32	0 25	7 46	1 7	25 56	4 18	11 12	11 28	11 14	11 43	0 3	S 26
M27	15 46	19 17	4 8	19 39	1 15	25 25	2 7	21 56	1 47	7 9	1 30	15 16	1 15	23 31	0 25	7 46	1 7	25 56	4 18	11 14	11 29	11 15	11 44	0 2	M27
T 28	16 4	18 46	3 18	20 19	1 24	25 30	2 9	21 52	1 50	7 10	1 30	15 15	1 15	23 31	0 25	7 45	1 8	25 56	4 18	11 16	11 30	11 17	11 45	0 2	T 28
W29	16 21	17 11	2 18	20 57	1 32	25 35	2 10	21 47	1 52	7 10	1 30	15 14	1 15	23 31	0 25	7 45	1 8	25 56	4 18	11 17	11 31	11 19	11 47	0 2	W29
T 30	16n38	14s43	1n13	21n32	1n39	25n40	2n12	21s42	1s55	7n10	1n30	15s14	1s15	23n31	0n25	7s44	1s 8	25n55	4n18	11n17	11n32	11n20	11n48	0n 2	T 30

Julian Day Number = 2158717.5, Delta T = 13m25s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'39, Lahiri = 12°40'40 Julian Calendar 1 Apr. 1198 == Greg. Calendar 8 Apr. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

MAY 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 1 37	16♉44'05	29♒32	0♊30	26♊38	2♒21	15°R21	22♒38	10♋48	13♓ 3	22♋21	0°R41	29♌54	13♉58	0♉45	F 1
S 2	15 5 34	17°41'46	11♓58	2°26	27°46	2°53	15♍20	22°41	10°50	13° 4	22°22	0♍41	29°51	14° 4	0°49	S 2
S 3	15 9 30	18°39'25	24° 9	4°19	28°55	3°24	15°20	22°43	10°53	13° 5	22°23	0°39	29°48	14°11	0°53	S 3
M 4	15 13 27	19°37'04	6♈11	6°10	0♋ 3	3°55	15°19	22°45	10°55	13° 6	22°24	0°34	29°45	14°18	0°57	M 4
T 5	15 17 23	20°34'42	18° 6	7°58	1°11	4°26	15°19	22°48	10°58	13° 8	22°25	0°27	29°42	14°25	1° 0	T 5
W 6	15 21 20	21°32'18	29°58	9°43	2°19	4°57	15°D19	22°50	11° 1	13° 9	22°26	0°17	29°38	14°31	1° 4	W 6
T 7	15 25 16	22°29'53	11♉49	11°25	3°27	5°27	15°19	22°52	11° 3	13°10	22°27	0° 5	29°35	14°38	1° 8	T 7
F 8	15 29 13	23°27'28	23°41	13° 4	4°35	5°58	15°19	22°54	11° 6	13°11	22°28	29♌51	29°32	14°45	1°11	F 8
S 9	15 33 9	24°25'01	5♊35	14°40	5°43	6°28	15°20	22°56	11° 9	13°12	22°29	29°37	29°29	14°51	1°15	S 9
S 10	15 37 6	25°22'33	17°33	16°14	6°51	6°58	15°21	22°57	11°11	13°13	22°30	29°24	29°26	14°58	1°19	S 10
M11	15 41 3	26°20'03	29°36	17°44	7°58	7°27	15°22	22°59	11°14	13°14	22°31	29°13	29°22	15° 5	1°22	M11
T 12	15 44 59	27°17'33	11♋46	19°10	9° 5	7°56	15°23	23° 1	11°17	13°15	22°32	29° 4	29°19	15°12	1°26	T 12
W13	15 48 56	28°15'01	24° 6	20°34	10°13	8°25	15°24	23° 2	11°20	13°16	22°33	28°58	29°16	15°18	1°29	W13
T 14	15 52 52	29°12'28	6♌38	21°55	11°20	8°54	15°25	23° 4	11°23	13°17	22°34	28°55	29°13	15°25	1°33	T 14
F 15	15 56 49	0♊ 9'54	19°27	23°12	12°26	9°23	15°27	23° 5	11°26	13°17	22°35	28°54	29°10	15°32	1°37	F 15
S 16	16 0 45	1° 7'19	2♍35	24°26	13°33	9°51	15°29	23° 6	11°29	13°18	22°36	28°54	29° 7	15°38	1°40	S 16
S 17	16 4 42	2° 4'42	16° 8	25°37	14°39	10°19	15°31	23° 7	11°32	13°19	22°38	28°54	29° 3	15°45	1°44	S 17
M18	16 8 38	3° 2'04	0♎ 6	26°44	15°46	10°46	15°33	23° 8	11°35	13°20	22°39	28°52	29° 0	15°52	1°47	M18
T 19	16 12 35	3°59'25	14°30	27°48	16°52	11°14	15°35	23° 9	11°38	13°20	22°40	28°48	28°57	15°59	1°51	T 19
W20	16 16 32	4°56'44	29°19	28°48	17°58	11°41	15°37	23°10	11°41	13°21	22°41	28°41	28°54	16° 5	1°54	W20
T 21	16 20 28	5°54'03	14♏25	29°45	19° 3	12° 7	15°40	23°11	11°44	13°22	22°42	28°32	28°51	16°12	1°57	T 21
F 22	16 24 25	6°51'21	29°40	0♋38	20° 9	12°34	15°43	23°11	11°47	13°22	22°44	28°22	28°47	16°19	2° 1	F 22
S 23	16 28 21	7°48'38	14♐53	1°27	21°14	13° 0	15°46	23°12	11°50	13°23	22°45	28°11	28°44	16°26	2° 4	S 23
S 24	16 32 18	8°45'55	29°54	2°13	22°19	13°25	15°49	23°12	11°53	13°23	22°46	28° 2	28°41	16°32	2° 7	S 24
M25	16 36 14	9°43'11	14♑32	2°54	23°24	13°51	15°52	23°13	11°57	13°24	22°47	27°54	28°38	16°39	2°11	M25
T 26	16 40 11	10°40'26	28°43	3°31	24°29	14°16	15°56	23°13	12° 0	13°24	22°49	27°49	28°35	16°46	2°14	T 26
W27	16 44 7	11°37'41	12♒25	4° 5	25°34	14°40	15°59	23°13	12° 3	13°25	22°50	27°47	28°32	16°52	2°17	W27
T 28	16 48 4	12°34'56	25°38	4°34	26°38	15° 4	16° 3	23°R13	12° 6	13°25	22°51	27°D46	28°28	16°59	2°20	T 28
F 29	16 52 1	13°32'10	8♓25	4°58	27°42	15°28	16° 7	23°13	12°10	13°26	22°53	27°R46	28°25	17° 6	2°23	F 29
S 30	16 55 57	14°29'24	20°52	5°18	28°46	15°51	16°11	23°13	12°13	13°26	22°54	27°46	28°22	17°13	2°27	S 30
S 31	16 59 54	15♊26'38	3♈ 3	5♋34	29♋49	16♒14	16♍16	23♒12	12♋16	13♓26	22♋56	27♌45	28♌19	17♉19	2♉30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n55	11s35	0n 6	22n 5	1n46	25n43	2n13	21s38	1s57	7n10	1n29	15s13	1s15	23n31	0n25	7s44	1s 8	25n55	4n18	11n17	11n33	11n22	11n49	0n 2
S 2	17 11	8 1	0s59	22 35	1 53	25 46	2 15	21 33	2 0	7 10	1 29	15 12	1 16	23 30	0 25	7 43	1 8	25 55	4 18	11 17	11 34	11 24	11 50	0 2
S 3	17 27	4 11	2 1	23 2	1 58	25 48	2 16	21 28	2 3	7 10	1 29	15 12	1 16	23 30	0 25	7 43	1 8	25 55	4 18	11 17	11 35	11 26	11 52	0 2
M 4	17 43	0 14	2 56	23 27	2 3	25 50	2 17	21 23	2 5	7 10	1 29	15 11	1 16	23 30	0 25	7 42	1 8	25 55	4 18	11 19	11 37	11 27	11 53	0 2
T 5	17 58	3n42	3 43	23 50	2 8	25 51	2 19	21 18	2 8	7 10	1 28	15 11	1 16	23 30	0 25	7 42	1 8	25 54	4 18	11 22	11 38	11 29	11 54	0 2
W 6	18 13	7 27	4 20	24 10	2 11	25 51	2 20	21 13	2 11	7 10	1 28	15 10	1 16	23 30	0 25	7 42	1 8	25 54	4 18	11 25	11 39	11 31	11 55	0 2
T 7	18 28	10 55	4 45	24 27	2 14	25 50	2 21	21 9	2 14	7 10	1 28	15 10	1 17	23 29	0 25	7 41	1 8	25 54	4 18	11 30	11 40	11 33	11 57	0 2
F 8	18 43	13 58	4 58	24 42	2 15	25 49	2 21	21 4	2 16	7 9	1 28	15 9	1 17	23 29	0 25	7 41	1 8	25 54	4 18	11 34	11 41	11 34	11 58	0 2
S 9	18 57	16 26	4 58	24 55	2 16	25 47	2 22	20 59	2 19	7 9	1 27	15 9	1 17	23 29	0 25	7 41	1 8	25 54	4 18	11 39	11 42	11 36	11 59	0 2
S 10	19 11	18 13	4 45	25 5	2 17	25 45	2 23	20 54	2 22	7 8	1 27	15 8	1 17	23 29	0 25	7 40	1 8	25 53	4 18	11 44	11 43	11 38	12 0	0 2
M11	19 25	19 13	4 19	25 14	2 16	25 41	2 24	20 49	2 25	7 8	1 27	15 8	1 17	23 28	0 25	7 40	1 8	25 53	4 18	11 48	11 44	11 39	12 1	0 1
T 12	19 38	19 20	3 41	25 20	2 15	25 37	2 24	20 44	2 28	7 7	1 27	15 8	1 18	23 28	0 25	7 40	1 8	25 53	4 18	11 51	11 46	11 41	12 3	0 1
W13	19 51	18 33	2 53	25 24	2 12	25 33	2 24	20 40	2 31	7 6	1 27	15 7	1 18	23 28	0 25	7 39	1 8	25 53	4 18	11 53	11 47	11 43	12 4	0 1
T 14	20 4	16 51	1 55	25 27	2 9	25 27	2 25	20 35	2 34	7 6	1 26	15 7	1 18	23 28	0 25	7 39	1 8	25 53	4 18	11 54	11 48	11 45	12 5	0 1
F 15	20 16	14 16	0 50	25 27	2 6	25 22	2 25	20 30	2 37	7 5	1 26	15 7	1 18	23 27	0 25	7 39	1 8	25 52	4 18	11 54	11 49	11 46	12 6	0 1
S 16	20 28	10 54	0n20	25 26	2 1	25 15	2 25	20 25	2 40	7 4	1 26	15 7	1 18	23 27	0 25	7 38	1 8	25 52	4 18	11 54	11 50	11 48	12 7	0 1
S 17	20 40	6 52	1 30	25 24	1 55	25 8	2 25	20 21	2 43	7 3	1 26	15 6	1 19	23 27	0 25	7 38	1 8	25 52	4 18	11 55	11 51	11 50	12 8	0 1
M18	20 51	2 21	2 37	25 19	1 49	25 0	2 25	20 16	2 46	7 2	1 25	15 6	1 19	23 27	0 25	7 38	1 8	25 52	4 18	11 55	11 52	11 51	12 10	0 1
T 19	21 2	2s25	3 36	25 14	1 42	24 51	2 24	20 12	2 49	7 1	1 25	15 6	1 19	23 26	0 25	7 38	1 8	25 52	4 18	11 57	11 53	11 53	12 11	0 1
W20	21 13	7 11	4 22	25 7	1 35	24 42	2 24	20 7	2 53	7 0	1 25	15 6	1 19	23 26	0 25	7 37	1 9	25 51	4 18	11 59	11 54	11 55	12 12	0 1
T 21	21 23	11 35	4 52	24 58	1 26	24 33	2 23	20 3	2 56	6 58	1 25	15 6	1 19	23 26	0 25	7 37	1 9	25 51	4 18	12 2	11 56	11 57	12 13	0 1
F 22	21 33	15 16	5 1	24 49	1 17	24 22	2 23	19 58	2 59	6 57	1 24	15 6	1 20	23 25	0 25	7 37	1 9	25 51	4 18	12 5	11 57	11 58	12 14	0 1
S 23	21 42	17 54	4 48	24 39	1 7	24 12	2 22	19 54	3 2	6 56	1 24	15 6	1 20	23 25	0 25	7 37	1 9	25 51	4 18	12 9	11 58	12 0	12 15	0 1
S 24	21 51	19 16	4 16	24 27	0 56	24 0	2 21	19 50	3 6	6 54	1 24	15 6	1 20	23 25	0 25	7 37	1 9	25 50	4 18	12 12	11 59	12 2	12 16	0 0
M25	22 0	19 18	3 27	24 15	0 45	23 48	2 20	19 45	3 9	6 53	1 24	15 6	1 20	23 25	0 25	7 37	1 9	25 50	4 18	12 15	12 0	12 3	12 17	0 0
T 26	22 9	18 6	2 27	24 2	0 32	23 36	2 19	19 41	3 12	6 51	1 23	15 6	1 20	23 24	0 25	7 36	1 9	25 50	4 18	12 17	12 1	12 5	12 18	0 0
W27	22 16	15 52	1 20	23 48	0 20	23 22	2 18	19 37	3 16	6 49	1 23	15 6	1 21	23 24	0 25	7 36	1 9	25 50	4 18	12 18	12 2	12 7	12 19	0 0
T 28	22 24	12 51	0 11	23 34	0 6	23 9	2 16	19 33	3 19	6 48	1 23	15 7	1 21	23 24	0 25	7 36	1 9	25 50	4 18	12 18	12 3	12 8	12 20	0 0
F 29	22 31	9 19	0s56	23 19	0s 8	22 55	2 15	19 30	3 23	6 46	1 23	15 7	1 21	23 23	0 25	7 36	1 9	25 49	4 18	12 18	12 4	12 10	12 21	0 0
S 30	22 38	5 28	1 59	23 4	0 22	22 40	2 13	19 26	3 26	6 44	1 22	15 7	1 21	23 23	0 25	7 36	1 9	25 49	4 18	12 18	12 5	12 12	12 22	0 0
S 31	22n45	1s28	2s56	22n48	0s37	22n25	2n11	19s22	3s30	6n42	1n22	15s 7	1s22	23n23	0n25	7s36	1s 9	25n49	4n18	12n18	12n 7	12n14	12n23	0s 0

Julian Day Number = 2158747.5, Delta T = 13m25s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'43, Lahiri = 12°40'44 Julian Calendar 1 May 1198 == Greg. Calendar 8 May 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

JUNE 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 3 50	16♊23'51	15♈ 3	5♋45	0♌52	16♒37	16♍20	23°R12	12♋20	13♓27	22♋57	27°R41	28♌16	17♉26	2♉33	M 1
T 2	17 7 47	17°21'04	26°56	5°52	1°56	16°59	16°25	23♒12	12°23	13°27	22°58	27♌35	28°13	17°33	2°36	T 2
W 3	17 11 43	18°18'18	8♉47	5°R54	2°58	17°20	16°29	23°11	12°27	13°27	23° 0	27°27	28° 9	17°39	2°39	W 3
T 4	17 15 40	19°15'31	20°38	5°52	4° 1	17°42	16°34	23°10	12°30	13°27	23° 1	27°16	28° 6	17°46	2°42	T 4
F 5	17 19 36	20°12'43	2♊33	5°45	5° 3	18° 2	16°39	23° 9	12°33	13°28	23° 3	27° 4	28° 3	17°53	2°45	F 5
S 6	17 23 33	21° 9'56	14°32	5°34	6° 5	18°22	16°45	23° 9	12°37	13°28	23° 4	26°52	28° 0	18° 0	2°48	S 6
S 7	17 27 30	22° 7'08	26°38	5°18	7° 7	18°42	16°50	23° 8	12°40	13°28	23° 6	26°41	27°57	18° 6	2°50	S 7
M 8	17 31 26	23° 4'20	8♋51	4°59	8° 8	19° 1	16°55	23° 7	12°44	13°28	23° 7	26°31	27°53	18°13	2°53	M 8
T 9	17 35 23	24° 1'32	21°13	4°35	9° 9	19°20	17° 1	23° 5	12°47	13°28	23° 9	26°24	27°50	18°20	2°56	T 9
W10	17 39 19	24°58'44	3♌44	4° 9	10°10	19°38	17° 7	23° 4	12°51	13°R28	23°10	26°19	27°47	18°27	2°59	W10
T 11	17 43 16	25°55'55	16°27	3°39	11°10	19°55	17°13	23° 3	12°54	13°28	23°12	26°17	27°44	18°33	3° 1	T 11
F 12	17 47 12	26°53'06	29°24	3° 7	12°11	20°12	17°19	23° 1	12°58	13°28	23°13	26°D16	27°41	18°40	3° 4	F 12
S 13	17 51 9	27°50'16	12♍37	2°33	13°10	20°28	17°25	23° 0	13° 2	13°28	23°15	26°17	27°38	18°47	3° 7	S 13
S 14	17 55 5	28°47'26	26° 9	1°57	14°10	20°44	17°32	22°58	13° 5	13°28	23°17	26°R17	27°34	18°53	3° 9	S 14
M15	17 59 2	29°44'36	10♎ 1	1°20	15° 9	20°59	17°38	22°56	13° 9	13°27	23°18	26°17	27°31	19° 0	3°12	M15
T 16	18 2 59	0♋41'45	24°13	0°43	16° 7	21°14	17°45	22°55	13°12	13°27	23°20	26°15	27°28	19° 7	3°14	T 16
W17	18 6 55	1°38'55	8♏46	0° 7	17° 5	21°28	17°51	22°53	13°16	13°27	23°21	26°10	27°25	19°14	3°17	W17
T 18	18 10 52	2°36'04	23°33	29♊31	18° 3	21°41	17°58	22°51	13°19	13°27	23°23	26° 4	27°22	19°20	3°19	T 18
F 19	18 14 48	3°33'13	8♐30	28°57	19° 1	21°54	18° 5	22°49	13°23	13°26	23°25	25°57	27°19	19°27	3°21	F 19
S 20	18 18 45	4°30'22	23°26	28°25	19°57	22° 6	18°13	22°47	13°27	13°26	23°26	25°49	27°15	19°34	3°24	S 20
S 21	18 22 41	5°27'31	8♑14	27°56	20°54	22°17	18°20	22°44	13°30	13°26	23°28	25°42	27°12	19°40	3°26	S 21
M22	18 26 38	6°24'41	22°45	27°30	21°50	22°28	18°27	22°42	13°34	13°25	23°30	25°37	27° 9	19°47	3°28	M22
T 23	18 30 34	7°21'51	6♒54	27° 8	22°45	22°38	18°35	22°40	13°38	13°25	23°31	25°33	27° 6	19°54	3°30	T 23
W24	18 34 31	8°19'01	20°36	26°50	23°40	22°47	18°43	22°37	13°41	13°25	23°33	25°D32	27° 3	20° 1	3°33	W24
T 25	18 38 28	9°16'11	3♓52	26°37	24°35	22°56	18°50	22°34	13°45	13°24	23°34	25°32	26°59	20° 7	3°35	T 25
F 26	18 42 24	10°13'23	16°43	26°29	25°29	23° 4	18°58	22°32	13°49	13°24	23°36	25°33	26°56	20°14	3°37	F 26
S 27	18 46 21	11°10'34	29°13	26°D25	26°22	23°11	19° 6	22°29	13°52	13°23	23°38	25°34	26°53	20°21	3°39	S 27
S 28	18 50 17	12° 7'47	11♈27	26°27	27°15	23°17	19°14	22°26	13°56	13°22	23°39	25°R35	26°50	20°28	3°41	S 28
M29	18 54 14	13° 5'00	23°28	26°35	28° 7	23°23	19°23	22°23	14° 0	13°22	23°41	25°34	26°47	20°34	3°42	M29
T 30	18 58 10	14♋ 2'14	5♉23	26♊48	28♌58	23♒28	19♍31	22♒20	14♋ 3	13♓21	23♋43	25♌32	26♌44	20♉41	3♉44	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n51	2n31	3s43	22n32	0s53	22n 9	2n 9	19s19	3s34	6n40	1n22	15s 8	1s22	23n22	0n25	7s36	1s 9	25n49	4n18	12n20	12n 8	12n15	12n24	0s 0
T 2	22 56	6 22	4 20	22 16	1 9	21 53	2 7	19 16	3 37	6 38	1 22	15 8	1 22	23 22	0 25	7 36	1 9	25 48	4 18	12 22	12 9	12 17	12 25	0 0
W 3	23 1	9 58	4 46	22 0	1 25	21 36	2 5	19 12	3 41	6 36	1 22	15 8	1 22	23 22	0 25	7 36	1 9	25 48	4 18	12 25	12 10	12 19	12 26	0 0
T 4	23 6	13 10	5 0	21 44	1 41	21 19	2 3	19 9	3 45	6 34	1 21	15 9	1 22	23 21	0 25	7 36	1 9	25 48	4 18	12 28	12 11	12 20	12 27	0 0
F 5	23 11	15 51	5 1	21 27	1 58	21 2	2 0	19 6	3 48	6 32	1 21	15 9	1 23	23 21	0 25	7 36	1 9	25 48	4 18	12 32	12 12	12 22	12 28	0 0
S 6	23 15	17 52	4 48	21 12	2 14	20 44	1 58	19 4	3 52	6 30	1 21	15 10	1 23	23 21	0 25	7 36	1 9	25 47	4 18	12 37	12 13	12 24	12 29	0 0
S 7	23 18	19 8	4 22	20 56	2 30	20 25	1 55	19 1	3 56	6 27	1 21	15 10	1 23	23 20	0 25	7 36	1 9	25 47	4 18	12 40	12 14	12 25	12 30	0 1
M 8	23 22	19 31	3 44	20 41	2 46	20 7	1 52	18 59	4 0	6 25	1 20	15 11	1 23	23 20	0 25	7 36	1 9	25 47	4 18	12 44	12 15	12 27	12 31	0 1
T 9	23 24	18 58	2 55	20 26	3 1	19 47	1 49	18 56	4 4	6 23	1 20	15 11	1 23	23 20	0 25	7 36	1 9	25 47	4 18	12 46	12 17	12 29	12 32	0 1
W10	23 27	17 30	1 57	20 12	3 16	19 28	1 46	18 54	4 8	6 20	1 20	15 12	1 24	23 19	0 25	7 36	1 10	25 46	4 18	12 48	12 18	12 30	12 33	0 1
T 11	23 29	15 8	0 52	19 59	3 30	19 8	1 42	18 52	4 11	6 18	1 20	15 13	1 24	23 19	0 25	7 36	1 10	25 46	4 18	12 49	12 19	12 32	12 34	0 1
F 12	23 30	12 0	0n17	19 47	3 44	18 48	1 39	18 51	4 15	6 15	1 20	15 13	1 24	23 19	0 25	7 36	1 10	25 46	4 18	12 49	12 20	12 34	12 34	0 1
S 13	23 31	8 11	1 26	19 35	3 56	18 27	1 35	18 49	4 19	6 12	1 19	15 14	1 24	23 18	0 25	7 36	1 10	25 46	4 18	12 49	12 21	12 35	12 35	0 1
S 14	23 32	3 52	2 33	19 25	4 7	18 6	1 31	18 48	4 23	6 10	1 19	15 15	1 24	23 18	0 25	7 36	1 10	25 45	4 18	12 48	12 22	12 37	12 36	0 1
M15	23 32	0s44	3 32	19 15	4 17	17 45	1 27	18 47	4 27	6 7	1 19	15 16	1 25	23 18	0 25	7 36	1 10	25 45	4 18	12 49	12 23	12 39	12 37	0 1
T 16	23 32	5 24	4 20	19 7	4 25	17 23	1 23	18 46	4 31	6 4	1 19	15 16	1 25	23 17	0 25	7 36	1 10	25 45	4 18	12 49	12 24	12 40	12 38	0 1
W17	23 32	9 52	4 52	19 0	4 32	17 2	1 19	18 45	4 35	6 1	1 19	15 17	1 25	23 17	0 25	7 36	1 10	25 45	4 18	12 51	12 25	12 42	12 38	0 1
T 18	23 31	13 48	5 6	18 55	4 38	16 40	1 14	18 44	4 39	5 58	1 18	15 18	1 25	23 17	0 25	7 37	1 10	25 44	4 18	12 53	12 26	12 44	12 39	0 1
F 19	23 30	16 54	4 59	18 51	4 42	16 17	1 9	18 44	4 43	5 56	1 18	15 19	1 25	23 16	0 25	7 37	1 10	25 44	4 18	12 55	12 27	12 45	12 40	0 1
S 20	23 28	18 51	4 32	18 48	4 44	15 55	1 5	18 44	4 47	5 53	1 18	15 20	1 26	23 16	0 25	7 37	1 10	25 44	4 18	12 58	12 29	12 47	12 41	0 2
S 21	23 26	19 31	3 46	18 47	4 45	15 32	1 0	18 44	4 52	5 49	1 18	15 21	1 26	23 16	0 25	7 37	1 10	25 44	4 18	13 0	12 30	12 49	12 41	0 2
M22	23 23	18 52	2 47	18 47	4 44	15 9	0 55	18 44	4 56	5 46	1 18	15 22	1 26	23 15	0 25	7 37	1 10	25 43	4 18	13 2	12 31	12 50	12 42	0 2
T 23	23 20	17 2	1 39	18 49	4 41	14 46	0 49	18 44	5 0	5 43	1 17	15 23	1 26	23 15	0 25	7 37	1 10	25 43	4 18	13 3	12 32	12 52	12 43	0 2
W24	23 17	14 16	0 27	18 53	4 37	14 23	0 44	18 45	5 4	5 40	1 17	15 24	1 26	23 14	0 25	7 38	1 10	25 43	4 18	13 4	12 33	12 54	12 43	0 2
T 25	23 13	10 50	0s45	18 58	4 32	13 59	0 38	18 46	5 8	5 37	1 17	15 25	1 27	23 14	0 25	7 38	1 10	25 43	4 18	13 4	12 34	12 55	12 44	0 2
F 26	23 9	6 59	1 52	19 4	4 26	13 35	0 32	18 47	5 12	5 34	1 17	15 26	1 27	23 14	0 25	7 38	1 10	25 42	4 18	13 4	12 35	12 57	12 44	0 2
S 27	23 4	2 56	2 52	19 12	4 18	13 12	0 26	18 49	5 16	5 30	1 17	15 27	1 27	23 13	0 25	7 38	1 10	25 42	4 18	13 3	12 36	12 59	12 45	0 2
S 28	22 59	1n 8	3 43	19 21	4 9	12 48	0 20	18 51	5 20	5 27	1 16	15 28	1 27	23 13	0 25	7 39	1 10	25 42	4 18	13 3	12 37	13 0	12 46	0 2
M29	22 54	5 5	4 23	19 31	3 59	12 24	0 14	18 52	5 24	5 23	1 16	15 29	1 27	23 13	0 25	7 39	1 10	25 42	4 18	13 3	12 38	13 2	12 46	0 2
T 30	22n48	8n48	4s51	19n42	3s48	12n 0	0n 7	18s55	5s28	5n20	1n16	15s30	1s27	23n12	0n25	7s39	1s10	25n41	4n18	13n 4	12n39	13n 4	12n47	0s 2

Julian Day Number = 2158778.5, Delta T = 13m25s
Ecliptic obliquity = 23°32'27, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'48, Lahiri = 12°40'48 Julian Calendar 1 June 1198 == Greg. Calendar 8 June 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

JULY 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 2 7	14♋59'29	17♉14	27♊ 6	29♌49	23♒32	19♍39	22°R17	14♋ 7	13°R21	23♋45	25°R28	26♌40	20♉48	3♉46	W 1
T 2	19 6 3	15°56'44	29° 8	27°31	0♍39	23°35	19°48	22♒14	14°11	13♓20	23°46	25♌22	26°37	20°54	3°48	T 2
F 3	19 10 0	16°54'01	11♊ 6	28° 1	1°29	23°38	19°57	22°11	14°14	13°19	23°48	25°16	26°34	21° 1	3°50	F 3
S 4	19 13 57	17°51'18	23°12	28°36	2°18	23°40	20° 6	22° 8	14°18	13°18	23°50	25° 9	26°31	21° 8	3°51	S 4
S 5	19 17 53	18°48'36	5♋27	29°18	3° 6	23°40	20°15	22° 4	14°22	13°18	23°51	25° 3	26°28	21°15	3°53	S 5
M 6	19 21 50	19°45'54	17°53	0♌ 5	3°53	23°R41	20°24	22° 1	14°25	13°17	23°53	24°58	26°25	21°21	3°54	M 6
T 7	19 25 46	20°43'14	0♌31	0°57	4°40	23°40	20°33	21°57	14°29	13°16	23°55	24°54	26°21	21°28	3°56	T 7
W 8	19 29 43	21°40'34	13°20	1°55	5°26	23°38	20°42	21°54	14°33	13°15	23°56	24°52	26°18	21°35	3°57	W 8
T 9	19 33 39	22°37'54	26°22	2°58	6°11	23°36	20°51	21°50	14°36	13°14	23°58	24°D51	26°15	21°42	3°59	T 9
F 10	19 37 36	23°35'15	9♍37	4° 7	6°55	23°33	21° 1	21°46	14°40	13°13	24° 0	24°52	26°12	21°48	4° 0	F 10
S 11	19 41 32	24°32'37	23° 4	5°21	7°38	23°29	21°10	21°43	14°43	13°12	24° 2	24°53	26° 9	21°55	4° 1	S 11
S 12	19 45 29	25°29'59	6♎45	6°40	8°20	23°25	21°20	21°39	14°47	13°11	24° 3	24°55	26° 5	22° 2	4° 2	S 12
M13	19 49 26	26°27'22	20°40	8° 3	9° 1	23°19	21°30	21°35	14°51	13°10	24° 5	24°R55	26° 2	22° 8	4° 4	M13
T 14	19 53 22	27°24'46	4♏47	9°32	9°41	23°13	21°39	21°31	14°54	13° 9	24° 7	24°55	25°59	22°15	4° 5	T 14
W15	19 57 19	28°22'10	19° 6	11° 4	10°20	23° 6	21°49	21°27	14°58	13° 8	24° 8	24°54	25°56	22°22	4° 6	W15
T 16	20 1 15	29°19'35	3♐34	12°42	10°57	22°59	21°59	21°23	15° 1	13° 7	24°10	24°52	25°53	22°29	4° 7	T 16
F 17	20 5 12	0♑17'01	18° 5	14°23	11°34	22°50	22° 9	21°19	15° 5	13° 6	24°12	24°49	25°50	22°35	4° 8	F 17
S 18	20 9 8	1°14'27	2♑36	16° 7	12° 9	22°42	22°20	21°15	15° 9	13° 5	24°14	24°45	25°46	22°42	4° 8	S 18
S 19	20 13 5	2°11'55	17° 0	17°56	12°44	22°32	22°30	21°11	15°12	13° 4	24°15	24°43	25°43	22°49	4° 9	S 19
M20	20 17 2	3° 9'23	1♒11	19°47	13°16	22°22	22°40	21° 7	15°16	13° 3	24°17	24°40	25°40	22°55	4°10	M20
T 21	20 20 58	4° 6'52	15° 4	21°41	13°48	22°11	22°51	21° 2	15°19	13° 2	24°19	24°39	25°37	23° 2	4°11	T 21
W22	20 24 55	5° 4'23	28°38	23°37	14°18	22° 0	23° 1	20°58	15°23	13° 0	24°20	24°D39	25°34	23° 9	4°11	W22
T 23	20 28 51	6° 1'55	11♓50	25°35	14°46	21°48	23°12	20°54	15°26	12°59	24°22	24°40	25°31	23°16	4°12	T 23
F 24	20 32 48	6°59'28	24°40	27°34	15°13	21°35	23°22	20°50	15°30	12°58	24°24	24°41	25°27	23°22	4°13	F 24
S 25	20 36 44	7°57'03	7♈11	29°35	15°39	21°22	23°33	20°45	15°33	12°57	24°25	24°42	25°24	23°29	4°13	S 25
S 26	20 40 41	8°54'39	19°27	1♌37	16° 2	21° 8	23°44	20°41	15°37	12°55	24°27	24°43	25°21	23°36	4°13	S 26
M27	20 44 37	9°52'17	1♉30	3°39	16°25	20°54	23°55	20°36	15°40	12°54	24°29	24°44	25°18	23°43	4°14	M27
T 28	20 48 34	10°49'56	13°26	5°41	16°45	20°40	24° 6	20°32	15°43	12°53	24°30	24°R44	25°15	23°49	4°14	T 28
W29	20 52 30	11°47'37	25°20	7°43	17° 3	20°25	24°17	20°28	15°47	12°51	24°32	24°44	25°11	23°56	4°14	W29
T 30	20 56 27	12°45'19	7♊15	9°45	17°20	20°10	24°28	20°23	15°50	12°50	24°34	24°43	25° 8	24° 3	4°15	T 30
F 31	21 0 24	13♌43'04	19♊15	11♌47	17♍35	19♒55	24♍39	20♒19	15♋54	12♓49	24♋35	24♌42	25♌ 5	24♉ 9	4♉15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n42	12n 9	5s 6	19n54	3s37	11n35	0n 0	18s57	5s32	5n16	1n16	15s31	1s28	23n12	0n25	7s39	1s10	25n41	4n18	13n 5	12n41	13n 5	12n47	0s 2
T 2	22 35	15 1	5 9	20 7	3 25	11 11	0s 6	19 0	5 36	5 13	1 16	15 32	1 28	23 11	0 25	7 40	1 11	25 41	4 18	13 7	12 42	13 7	12 48	0 2
F 3	22 28	17 17	4 58	20 20	3 12	10 47	0 14	19 2	5 40	5 9	1 15	15 34	1 28	23 11	0 25	7 40	1 11	25 41	4 18	13 9	12 43	13 9	12 48	0 3
S 4	22 21	18 49	4 34	20 34	2 58	10 23	0 21	19 5	5 44	5 6	1 15	15 35	1 28	23 11	0 25	7 40	1 11	25 40	4 19	13 12	12 44	13 10	12 49	0 3
S 5	22 13	19 29	3 57	20 48	2 44	9 58	0 28	19 9	5 48	5 2	1 15	15 36	1 28	23 10	0 25	7 41	1 11	25 40	4 19	13 14	12 45	13 12	12 49	0 3
M 6	22 5	19 14	3 8	21 2	2 30	9 34	0 36	19 12	5 52	4 58	1 15	15 37	1 28	23 10	0 25	7 41	1 11	25 40	4 19	13 15	12 46	13 14	12 50	0 3
T 7	21 56	18 2	2 9	21 16	2 16	9 10	0 44	19 16	5 55	4 54	1 15	15 39	1 29	23 10	0 25	7 41	1 11	25 40	4 19	13 17	12 47	13 15	12 50	0 3
W 8	21 47	15 53	1 2	21 30	2 1	8 46	0 52	19 20	5 59	4 51	1 15	15 40	1 29	23 9	0 25	7 42	1 11	25 39	4 19	13 17	12 48	13 17	12 51	0 3
T 9	21 38	12 55	0n 8	21 44	1 46	8 21	1 0	19 24	6 3	4 47	1 14	15 41	1 29	23 9	0 25	7 42	1 11	25 39	4 19	13 18	12 49	13 19	12 51	0 3
F 10	21 28	9 14	1 20	21 57	1 32	7 57	1 8	19 29	6 6	4 43	1 14	15 43	1 29	23 8	0 25	7 43	1 11	25 39	4 19	13 17	12 50	13 20	12 51	0 3
S 11	21 18	5 2	2 28	22 9	1 17	7 33	1 17	19 33	6 10	4 39	1 14	15 44	1 29	23 8	0 25	7 43	1 11	25 39	4 19	13 17	12 51	13 22	12 52	0 3
S 12	21 8	0 31	3 29	22 20	1 3	7 10	1 26	19 38	6 13	4 35	1 14	15 46	1 29	23 8	0 25	7 43	1 11	25 38	4 19	13 16	12 52	13 23	12 52	0 3
M13	20 57	4s 6	4 19	22 29	0 48	6 46	1 35	19 43	6 16	4 31	1 14	15 47	1 30	23 7	0 25	7 44	1 11	25 38	4 19	13 16	12 54	13 25	12 52	0 3
T 14	20 46	8 33	4 55	22 38	0 34	6 22	1 44	19 48	6 19	4 27	1 14	15 48	1 30	23 7	0 25	7 44	1 11	25 38	4 19	13 16	12 55	13 27	12 53	0 3
W15	20 35	12 34	5 12	22 44	0 21	5 59	1 53	19 53	6 22	4 23	1 14	15 50	1 30	23 6	0 25	7 45	1 11	25 38	4 19	13 17	12 56	13 28	12 53	0 4
T 16	20 23	15 53	5 10	22 49	0 7	5 36	2 2	19 58	6 25	4 19	1 13	15 51	1 30	23 6	0 25	7 45	1 11	25 37	4 19	13 17	12 57	13 30	12 53	0 4
F 17	20 11	18 13	4 48	22 51	0n 5	5 13	2 12	20 4	6 28	4 15	1 13	15 53	1 30	23 6	0 25	7 46	1 11	25 37	4 19	13 18	12 58	13 32	12 53	0 4
S 18	19 58	19 23	4 8	22 51	0 17	4 50	2 22	20 9	6 31	4 11	1 13	15 54	1 30	23 5	0 25	7 46	1 11	25 37	4 19	13 19	12 59	13 33	12 54	0 4
S 19	19 45	19 16	3 12	22 49	0 29	4 28	2 32	20 15	6 33	4 6	1 13	15 56	1 30	23 5	0 25	7 47	1 11	25 37	4 20	13 20	13 0	13 35	12 54	0 4
M20	19 32	17 56	2 6	22 44	0 40	4 6	2 42	20 21	6 36	4 2	1 13	15 57	1 31	23 5	0 25	7 47	1 11	25 36	4 20	13 21	13 1	13 36	12 54	0 4
T 21	19 19	15 33	0 53	22 36	0 50	3 44	2 53	20 26	6 38	3 58	1 13	15 58	1 31	23 4	0 25	7 47	1 11	25 36	4 20	13 22	13 2	13 38	12 54	0 4
W22	19 5	12 21	0s22	22 26	0 59	3 23	3 3	20 32	6 40	3 54	1 13	16 0	1 31	23 4	0 25	7 48	1 11	25 36	4 20	13 22	13 3	13 40	12 54	0 4
T 23	18 51	8 36	1 33	22 13	1 7	3 2	3 14	20 38	6 42	3 49	1 12	16 1	1 31	23 3	0 25	7 48	1 11	25 36	4 20	13 21	13 4	13 41	12 54	0 4
F 24	18 36	4 33	2 38	21 57	1 15	2 42	3 25	20 44	6 44	3 45	1 12	16 3	1 31	23 3	0 25	7 49	1 11	25 36	4 20	13 21	13 5	13 43	12 55	0 4
S 25	18 21	0 24	3 34	21 39	1 22	2 22	3 36	20 50	6 46	3 40	1 12	16 5	1 31	23 3	0 25	7 50	1 11	25 35	4 20	13 21	13 6	13 44	12 55	0 4
S 26	18 6	3n40	4 18	21 18	1 28	2 2	3 48	20 56	6 47	3 36	1 12	16 6	1 31	23 2	0 25	7 50	1 11	25 35	4 20	13 20	13 8	13 46	12 55	0 4
M27	17 51	7 30	4 51	20 55	1 33	1 43	3 59	21 1	6 48	3 32	1 12	16 8	1 31	23 2	0 25	7 51	1 11	25 35	4 20	13 20	13 9	13 48	12 55	0 5
T 28	17 35	11 1	5 10	20 30	1 37	1 25	4 10	21 7	6 50	3 27	1 12	16 9	1 31	23 1	0 25	7 51	1 12	25 35	4 20	13 20	13 10	13 49	12 55	0 5
W29	17 19	14 4	5 16	20 2	1 40	1 7	4 22	21 13	6 50	3 23	1 12	16 11	1 32	23 1	0 25	7 52	1 12	25 35	4 20	13 20	13 11	13 51	12 55	0 5
T 30	17 3	16 32	5 9	19 32	1 43	0 49	4 34	21 18	6 51	3 18	1 12	16 12	1 32	23 1	0 25	7 52	1 12	25 34	4 21	13 20	13 12	13 53	12 55	0 5
F 31	16n47	18n20	4s48	19n 0	1n45	0n33	4s46	21s24	6s52	3n14	1n11	16s14	1s32	23n 0	0n25	7s53	1s12	25n34	4n21	13n21	13n13	13n54	12n55	0s 5

Julian Day Number = 2158808.5, Delta T = 13m25s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'52, Lahiri = 12°40'52 Julian Calendar 1 July 1198 == Greg. Calendar 8 July 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

AUGUST 1198 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 4 20	14♌40'49	1♋26	13♌48	17♍47	19°R39	24♍50	20°R14	15♋57	12°R47	24♋37	24°R40	25♌ 2	24♉16	4♉15	S 1
S 2	21 8 17	15°38'37	13°49	15°48	17°58	19♒24	25° 2	20♒ 9	16° 0	12♓46	24°39	24♌39	24°59	24°23	4°R15	S 2
M 3	21 12 13	16°36'26	26°27	17°47	18° 7	19° 8	25°13	20° 5	16° 3	12°44	24°40	24°38	24°56	24°30	4°15	M 3
T 4	21 16 10	17°34'16	9♌21	19°45	18°13	18°52	25°25	20° 0	16° 7	12°43	24°42	24°37	24°52	24°36	4°15	T 4
W 5	21 20 6	18°32'09	22°31	21°42	18°17	18°36	25°36	19°56	16°10	12°42	24°43	24°D37	24°49	24°43	4°15	W 5
T 6	21 24 3	19°30'02	5♍56	23°37	18°R19	18°20	25°48	19°51	16°13	12°40	24°45	24°37	24°46	24°50	4°14	T 6
F 7	21 27 59	20°27'57	19°36	25°32	18°19	18° 4	25°59	19°47	16°16	12°39	24°47	24°37	24°43	24°57	4°14	F 7
S 8	21 31 56	21°25'54	3♎27	27°25	18°17	17°48	26°11	19°42	16°20	12°37	24°48	24°38	24°40	25° 3	4°14	S 8
S 9	21 35 53	22°23'51	17°29	29°17	18°12	17°32	26°23	19°38	16°23	12°36	24°50	24°38	24°37	25°10	4°13	S 9
M10	21 39 49	23°21'51	1♏37	1♍ 8	18° 4	17°17	26°34	19°33	16°26	12°34	24°51	24°38	24°33	25°17	4°13	M10
T 11	21 43 46	24°19'51	15°49	2°57	17°54	17° 2	26°46	19°28	16°29	12°32	24°53	24°38	24°30	25°23	4°12	T 11
W12	21 47 42	25°17'53	0♐ 3	4°45	17°42	16°47	26°58	19°24	16°32	12°31	24°54	24°38	24°27	25°30	4°12	W12
T 13	21 51 39	26°15'56	14°16	6°32	17°28	16°32	27°10	19°19	16°35	12°29	24°56	24°38	24°24	25°37	4°11	T 13
F 14	21 55 35	27°14'01	28°26	8°18	17°11	16°18	27°22	19°15	16°38	12°28	24°57	24°38	24°21	25°44	4°11	F 14
S 15	21 59 32	28°12'08	12♑30	10° 2	16°52	16° 4	27°34	19°10	16°41	12°26	24°59	24°39	24°17	25°50	4°10	S 15
S 16	22 3 28	29°10'15	26°26	11°45	16°30	15°51	27°46	19° 6	16°44	12°25	25° 0	24°39	24°14	25°57	4° 9	S 16
M17	22 7 25	0♍ 8'25	10♒10	13°27	16° 7	15°38	27°59	19° 2	16°47	12°23	25° 2	24°39	24°11	26° 4	4° 8	M17
T 18	22 11 22	1° 6'36	23°41	15° 8	15°41	15°26	28°11	18°57	16°50	12°21	25° 3	24°R40	24° 8	26°10	4° 7	T 18
W19	22 15 18	2° 4'48	6♓56	16°47	15°13	15°14	28°23	18°53	16°53	12°20	25° 5	24°39	24° 5	26°17	4° 6	W19
T 20	22 19 15	3° 3'03	19°56	18°25	14°44	15° 3	28°35	18°48	16°55	12°18	25° 6	24°39	24° 2	26°24	4° 5	T 20
F 21	22 23 11	4° 1'19	2♈39	20° 3	14°13	14°53	28°48	18°44	16°58	12°16	25° 7	24°38	23°58	26°31	4° 4	F 21
S 22	22 27 8	4°59'37	15° 7	21°39	13°40	14°43	29° 0	18°40	17° 1	12°15	25° 9	24°37	23°55	26°37	4° 3	S 22
S 23	22 31 4	5°57'58	27°21	23°13	13° 6	14°34	29°12	18°36	17° 4	12°13	25°10	24°35	23°52	26°44	4° 2	S 23
M24	22 35 1	6°56'20	9♉24	24°47	12°31	14°25	29°25	18°31	17° 6	12°12	25°12	24°34	23°49	26°51	4° 1	M24
T 25	22 38 57	7°54'45	21°21	26°20	11°56	14°17	29°37	18°27	17° 9	12°10	25°13	24°32	23°46	26°58	3°59	T 25
W26	22 42 54	8°53'12	3♊13	27°51	11°19	14°10	29°50	18°23	17°11	12° 8	25°14	24°32	23°42	27° 4	3°58	W26
T 27	22 46 51	9°51'41	15° 8	29°22	10°42	14° 4	0♎ 3	18°19	17°14	12° 7	25°16	24°D32	23°39	27°11	3°57	T 27
F 28	22 50 47	10°50'12	27° 8	0♎51	10° 5	13°58	0°15	18°15	17°17	12° 5	25°17	24°32	23°36	27°18	3°55	F 28
S 29	22 54 44	11°48'45	9♋19	2°19	9°29	13°53	0°28	18°11	17°19	12° 3	25°18	24°34	23°33	27°24	3°54	S 29
S 30	22 58 40	12°47'21	21°45	3°46	8°52	13°49	0°40	18° 7	17°21	12° 2	25°19	24°35	23°30	27°31	3°52	S 30
M31	23 2 37	13♍45'59	4♌29	5♎12	8♍16	13♒45	0♎53	18♒ 3	17♋24	12♓ 0	25♋21	24♌36	23♌27	27♉38	3♉51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n30	19n18	4s14	18n27	1n46	0n17	4s58	21s29	6s52	3n 9	1n11	16s15	1s32	23n 0	0n25	7s53	1s12	25n34	4n21	13n21	13n14	13n56	12n55	0s 5	S 1
S 2	16 13	19 23	3 27	17 52	1 46	0 2	5 10	21 35	6 52	3 4	1 11	16 17	1 32	23 0	0 25	7 54	1 12	25 34	4 21	13 22	13 15	13 57	12 55	0 5	S 2
M 3	15 56	18 30	2 30	17 15	1 46	0s13	5 22	21 40	6 52	3 0	1 11	16 18	1 32	22 59	0 25	7 55	1 12	25 34	4 21	13 22	13 16	13 59	12 55	0 5	M 3
T 4	15 38	16 39	1 24	16 37	1 45	0 26	5 34	21 44	6 52	2 55	1 11	16 20	1 32	22 59	0 25	7 55	1 12	25 33	4 21	13 22	13 17	14 0	12 54	0 5	T 4
W 5	15 20	13 53	0 12	15 58	1 44	0 39	5 46	21 49	6 51	2 50	1 11	16 21	1 32	22 58	0 25	7 56	1 12	25 33	4 21	13 22	13 18	14 2	12 54	0 5	W 5
T 6	15 2	10 20	1n 2	15 18	1 42	0 51	5 57	21 54	6 51	2 46	1 11	16 23	1 32	22 58	0 25	7 56	1 12	25 33	4 21	13 22	13 19	14 4	12 54	0 5	T 6
F 7	14 44	6 11	2 14	14 37	1 39	1 2	6 9	21 58	6 50	2 41	1 11	16 24	1 32	22 58	0 25	7 57	1 12	25 33	4 21	13 22	13 20	14 5	12 54	0 5	F 7
S 8	14 25	1 40	3 19	13 56	1 36	1 11	6 21	22 2	6 49	2 36	1 11	16 26	1 32	22 57	0 25	7 57	1 12	25 33	4 22	13 22	13 21	14 7	12 54	0 6	S 8
S 9	14 6	3s 0	4 13	13 13	1 33	1 20	6 33	22 5	6 47	2 31	1 10	16 27	1 33	22 57	0 25	7 58	1 12	25 33	4 22	13 22	13 22	14 8	12 54	0 6	S 9
M10	13 47	7 31	4 52	12 30	1 29	1 28	6 44	22 9	6 46	2 27	1 10	16 29	1 33	22 57	0 25	7 59	1 12	25 32	4 22	13 22	13 24	14 10	12 53	0 6	M10
T 11	13 28	11 39	5 13	11 47	1 24	1 34	6 56	22 12	6 44	2 22	1 10	16 30	1 33	22 56	0 25	7 59	1 12	25 32	4 22	13 22	13 25	14 12	12 53	0 6	T 11
W12	13 9	15 6	5 16	11 3	1 20	1 40	7 6	22 15	6 42	2 17	1 10	16 32	1 33	22 56	0 25	8 0	1 12	25 32	4 22	13 22	13 26	14 13	12 53	0 6	W12
T 13	12 49	17 40	4 59	10 18	1 15	1 44	7 17	22 18	6 40	2 12	1 10	16 33	1 33	22 56	0 25	8 1	1 12	25 32	4 22	13 22	13 27	14 15	12 53	0 6	T 13
F 14	12 29	19 8	4 24	9 34	1 9	1 47	7 27	22 20	6 38	2 7	1 10	16 35	1 33	22 55	0 25	8 1	1 12	25 32	4 22	13 22	13 28	14 16	12 52	0 6	F 14
S 15	12 9	19 25	3 33	8 49	1 4	1 49	7 37	22 22	6 35	2 2	1 10	16 36	1 33	22 55	0 25	8 2	1 12	25 32	4 22	13 22	13 29	14 18	12 52	0 6	S 15
S 16	11 49	18 30	2 30	8 5	0 58	1 49	7 47	22 23	6 33	1 57	1 10	16 38	1 33	22 54	0 25	8 2	1 12	25 31	4 23	13 22	13 30	14 19	12 52	0 6	S 16
M17	11 28	16 30	1 19	7 20	0 52	1 48	7 56	22 25	6 30	1 52	1 10	16 39	1 33	22 54	0 25	8 3	1 12	25 31	4 23	13 22	13 31	14 21	12 51	0 6	M17
T 18	11 8	13 36	0 5	6 35	0 45	1 46	8 4	22 26	6 27	1 47	1 10	16 41	1 33	22 54	0 25	8 4	1 12	25 31	4 23	13 21	13 32	14 23	12 51	0 6	T 18
W19	10 47	10 3	1s 8	5 50	0 39	1 43	8 12	22 27	6 24	1 43	1 10	16 42	1 33	22 53	0 25	8 4	1 12	25 31	4 23	13 22	13 33	14 24	12 50	0 6	W19
T 20	10 26	6 5	2 15	5 5	0 32	1 38	8 19	22 27	6 21	1 38	1 10	16 43	1 33	22 53	0 25	8 5	1 12	25 31	4 23	13 22	13 34	14 26	12 50	0 7	T 20
F 21	10 5	1 55	3 15	4 20	0 25	1 32	8 25	22 27	6 18	1 33	1 9	16 45	1 33	22 53	0 25	8 6	1 12	25 31	4 23	13 22	13 35	14 27	12 49	0 7	F 21
S 22	9 43	2n13	4 4	3 36	0 18	1 24	8 30	22 27	6 14	1 28	1 9	16 46	1 33	22 53	0 26	8 6	1 12	25 31	4 23	13 22	13 36	14 29	12 49	0 7	S 22
S 23	9 22	6 12	4 41	2 52	0 10	1 16	8 35	22 26	6 11	1 23	1 9	16 48	1 33	22 52	0 26	8 7	1 12	25 31	4 24	13 23	13 37	14 30	12 49	0 7	S 23
M24	9 0	9 52	5 5	2 8	0 3	1 6	8 39	22 25	6 7	1 18	1 9	16 49	1 33	22 52	0 26	8 8	1 12	25 30	4 24	13 23	13 38	14 32	12 48	0 7	M24
T 25	8 38	13 6	5 15	1 24	0s 4	0 55	8 42	22 24	6 4	1 12	1 9	16 50	1 33	22 52	0 26	8 8	1 12	25 30	4 24	13 24	13 39	14 34	12 48	0 7	T 25
W26	8 16	15 47	5 12	0 40	0 12	0 43	8 44	22 23	6 0	1 7	1 9	16 52	1 33	22 51	0 26	8 9	1 12	25 30	4 24	13 24	13 40	14 35	12 47	0 7	W26
T 27	7 54	17 48	4 56	0s 3	0 20	0 31	8 45	22 21	5 56	1 2	1 9	16 53	1 33	22 51	0 26	8 10	1 12	25 30	4 24	13 24	13 42	14 37	12 46	0 7	T 27
F 28	7 32	19 4	4 26	0 46	0 27	0 17	8 45	22 19	5 52	0 57	1 9	16 54	1 33	22 51	0 26	8 10	1 12	25 30	4 24	13 24	13 43	14 38	12 46	0 7	F 28
S 29	7 10	19 29	3 45	1 28	0 35	0 2	8 44	22 16	5 48	0 52	1 9	16 55	1 33	22 50	0 26	8 11	1 12	25 30	4 24	13 23	13 44	14 40	12 45	0 7	S 29
S 30	6 47	18 57	2 51	2 10	0 43	0n13	8 42	22 13	5 44	0 47	1 9	16 57	1 33	22 50	0 26	8 11	1 12	25 30	4 25	13 23	13 45	14 41	12 45	0 7	S 30
M31	6n25	17n28	1s49	2s51	0s51	0n29	8s39	22s10	5s39	0n42	1n 9	16s58	1s33	22n50	0n26	8s12	1s12	25n30	4n25	13n23	13n46	14n43	12n44	0s 8	M31

Julian Day Number = 2158839.5, Delta T = 13m25s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°33'56, Lahiri = 12°40'56 Julian Calendar 1 Aug. 1198 == Greg. Calendar 8 Aug. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

SEPTEMBER 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 6 33	14♍44'39	17♌35	6♎37	7°R41	13°R43	1♎ 6	17°R59	17♋26	11°R58	25♋22	24♌37	23♌23	27♉45	3°R49	T 1
W 2	23 10 30	15°43'21	1♍ 1	8° 1	7♍ 7	13♒41	1°19	17♒56	17°29	11♓57	25°23	24°R37	23°20	27°51	3♉47	W 2
T 3	23 14 26	16°42'05	14°49	9°23	6°34	13°40	1°31	17°52	17°31	11°55	25°24	24°36	23°17	27°58	3°45	T 3
F 4	23 18 23	17°40'51	28°55	10°44	6° 2	13°D40	1°44	17°48	17°33	11°53	25°25	24°34	23°14	28° 5	3°44	F 4
S 5	23 22 19	18°39'39	13♎16	12° 4	5°32	13°41	1°57	17°45	17°35	11°52	25°26	24°31	23°11	28°11	3°42	S 5
S 6	23 26 16	19°38'29	27°45	13°23	5° 4	13°42	2°10	17°41	17°37	11°50	25°28	24°27	23° 8	28°18	3°40	S 6
M 7	23 30 13	20°37'21	12♏16	14°40	4°37	13°44	2°23	17°38	17°40	11°48	25°29	24°24	23° 4	28°25	3°38	M 7
T 8	23 34 9	21°36'14	26°44	15°55	4°13	13°47	2°36	17°34	17°42	11°47	25°30	24°21	23° 1	28°32	3°36	T 8
W 9	23 38 6	22°35'10	11♐ 5	17° 9	3°51	13°51	2°49	17°31	17°44	11°45	25°31	24°19	22°58	28°38	3°34	W 9
T 10	23 42 2	23°34'07	25°15	18°22	3°31	13°56	3° 1	17°28	17°46	11°43	25°32	24°D19	22°55	28°45	3°32	T 10
F 11	23 45 59	24°33'06	9♑12	19°33	3°13	14° 1	3°14	17°25	17°48	11°42	25°33	24°20	22°52	28°52	3°30	F 11
S 12	23 49 55	25°32'07	22°57	20°42	2°57	14° 8	3°27	17°21	17°49	11°40	25°34	24°21	22°48	28°59	3°28	S 12
S 13	23 53 52	26°31'10	6♒28	21°49	2°44	14°15	3°40	17°18	17°51	11°39	25°35	24°23	22°45	29° 5	3°25	S 13
M14	23 57 48	27°30'14	19°47	22°54	2°34	14°22	3°53	17°15	17°53	11°37	25°36	24°R24	22°42	29°12	3°23	M14
T 15	0 1 45	28°29'20	2♓53	23°56	2°26	14°31	4° 6	17°13	17°55	11°36	25°37	24°23	22°39	29°19	3°21	T 15
W16	0 5 42	29°28'28	15°47	24°57	2°20	14°40	4°19	17°10	17°57	11°34	25°38	24°22	22°36	29°25	3°19	W16
T 17	0 9 38	0♎27'38	28°29	25°54	2°17	14°50	4°32	17° 7	17°58	11°32	25°38	24°18	22°33	29°32	3°16	T 17
F 18	0 13 35	1°26'51	10♈59	26°49	2°D16	15° 1	4°45	17° 5	18° 0	11°31	25°39	24°12	22°29	29°39	3°14	F 18
S 19	0 17 31	2°26'05	23°19	27°41	2°17	15°12	4°58	17° 2	18° 1	11°29	25°40	24° 6	22°26	29°46	3°11	S 19
S 20	0 21 28	3°25'21	5♉28	28°29	2°21	15°24	5°11	17° 0	18° 3	11°28	25°41	23°58	22°23	29°52	3° 9	S 20
M21	0 25 24	4°24'40	17°29	29°13	2°27	15°37	5°24	16°57	18° 4	11°26	25°42	23°51	22°20	29°59	3° 6	M21
T 22	0 29 21	5°24'01	29°23	29°53	2°36	15°50	5°38	16°55	18° 6	11°25	25°42	23°45	22°17	0♊ 6	3° 4	T 22
W23	0 33 17	6°23'25	11♊14	0♏29	2°46	16° 4	5°51	16°53	18° 7	11°23	25°43	23°40	22°13	0°12	3° 1	W23
T 24	0 37 14	7°22'50	23° 7	1° 0	2°59	16°18	6° 4	16°51	18° 8	11°22	25°44	23°37	22°10	0°19	2°59	T 24
F 25	0 41 11	8°22'19	5♋ 5	1°25	3°14	16°34	6°17	16°49	18°10	11°20	25°45	23°D35	22° 7	0°26	2°56	F 25
S 26	0 45 7	9°21'49	17°12	1°45	3°31	16°49	6°30	16°47	18°11	11°19	25°45	23°36	22° 4	0°33	2°53	S 26
S 27	0 49 4	10°21'22	29°36	1°58	3°50	17° 6	6°43	16°45	18°12	11°18	25°46	23°37	22° 1	0°39	2°51	S 27
M28	0 53 0	11°20'57	12♌19	2°R 4	4°11	17°23	6°56	16°43	18°13	11°16	25°47	23°38	21°58	0°46	2°48	M28
T 29	0 56 57	12°20'34	25°26	2° 3	4°34	17°41	7° 9	16°42	18°14	11°15	25°47	23°R39	21°54	0°53	2°45	T 29
W30	1 0 53	13♎20'14	8♍59	1♏54	4♍58	17♒59	7♎22	16♒40	18♋15	11♓13	25♋48	23♌37	21♌51	1♊ 0	2♉42	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n 2	15n 1	0s39	3s32	0s59	0n45	8s36	22s 7	5s35	0n37	1n 9	16s59	1s33	22n50	0n26	8s13	1s12	25n30	4n25	13n22	13n47	14n44	12n43	0s 8
W 2	5 39	11 42	0n35	4 13	1 7	1 1	8 31	22 3	5 31	0 32	1 9	17 0	1 33	22 49	0 26	8 13	1 12	25 30	4 25	13 22	13 48	14 46	12 43	0 8
T 3	5 16	7 41	1 49	4 52	1 14	1 18	8 26	22 0	5 26	0 27	1 9	17 1	1 33	22 49	0 26	8 14	1 12	25 30	4 25	13 23	13 49	14 47	12 42	0 8
F 4	4 53	3 9	2 58	5 32	1 22	1 36	8 19	21 55	5 22	0 21	1 9	17 2	1 33	22 49	0 26	8 15	1 12	25 29	4 25	13 23	13 50	14 49	12 41	0 8
S 5	4 30	1s38	3 56	6 10	1 30	1 53	8 12	21 51	5 17	0 16	1 9	17 3	1 33	22 48	0 26	8 15	1 12	25 29	4 26	13 24	13 51	14 51	12 41	0 8
S 6	4 7	6 21	4 40	6 48	1 38	2 10	8 5	21 46	5 13	0 11	1 9	17 5	1 33	22 48	0 26	8 16	1 12	25 29	4 26	13 26	13 52	14 52	12 40	0 8
M 7	3 44	10 43	5 6	7 25	1 45	2 27	7 57	21 41	5 8	0 6	1 9	17 6	1 33	22 48	0 26	8 17	1 12	25 29	4 26	13 27	13 53	14 54	12 39	0 8
T 8	3 21	14 26	5 13	8 1	1 53	2 44	7 48	21 36	5 4	0 1	1 9	17 7	1 33	22 48	0 26	8 17	1 12	25 29	4 26	13 28	13 54	14 55	12 38	0 8
W 9	2 57	17 15	5 0	8 37	2 0	3 1	7 38	21 31	4 59	0s 4	1 8	17 8	1 33	22 47	0 26	8 18	1 12	25 29	4 26	13 28	13 55	14 57	12 38	0 8
T 10	2 34	18 59	4 29	9 12	2 7	3 18	7 28	21 25	4 55	0 10	1 8	17 9	1 33	22 47	0 26	8 18	1 12	25 29	4 26	13 28	13 56	14 58	12 37	0 8
F 11	2 10	19 31	3 42	9 45	2 15	3 34	7 18	21 19	4 50	0 15	1 8	17 10	1 33	22 47	0 26	8 19	1 12	25 29	4 27	13 28	13 57	15 0	12 36	0 9
S 12	1 47	18 54	2 43	10 18	2 22	3 49	7 7	21 13	4 46	0 20	1 8	17 10	1 33	22 47	0 26	8 20	1 12	25 29	4 27	13 28	13 58	15 1	12 35	0 9
S 13	1 23	17 11	1 36	10 50	2 28	4 4	6 56	21 6	4 41	0 25	1 8	17 11	1 33	22 47	0 26	8 20	1 12	25 29	4 27	13 27	13 59	15 3	12 34	0 9
M14	1 0	14 33	0 25	11 20	2 35	4 19	6 44	21 0	4 37	0 30	1 8	17 12	1 33	22 46	0 26	8 21	1 12	25 29	4 27	13 27	14 0	15 4	12 34	0 9
T 15	0 36	11 12	0s46	11 49	2 41	4 33	6 33	20 53	4 32	0 36	1 8	17 13	1 33	22 46	0 26	8 21	1 12	25 29	4 27	13 27	14 1	15 6	12 33	0 9
W16	0 13	7 23	1 54	12 17	2 47	4 46	6 21	20 46	4 28	0 41	1 8	17 14	1 33	22 46	0 26	8 22	1 12	25 29	4 27	13 28	14 2	15 7	12 32	0 9
T 17	0s11	3 17	2 55	12 44	2 53	4 58	6 9	20 39	4 23	0 46	1 8	17 15	1 33	22 46	0 26	8 23	1 12	25 29	4 28	13 29	14 3	15 9	12 31	0 9
F 18	0 35	0n54	3 46	13 9	2 58	5 10	5 56	20 31	4 19	0 51	1 8	17 15	1 33	22 46	0 26	8 23	1 12	25 29	4 28	13 31	14 5	15 10	12 30	0 9
S 19	0 58	4 58	4 26	13 32	3 3	5 21	5 44	20 24	4 15	0 56	1 8	17 16	1 33	22 45	0 26	8 24	1 12	25 29	4 28	13 33	14 6	15 12	12 29	0 9
S 20	1 22	8 47	4 53	13 53	3 7	5 31	5 32	20 16	4 10	1 2	1 8	17 17	1 33	22 45	0 26	8 24	1 12	25 29	4 28	13 35	14 7	15 13	12 28	0 9
M21	1 46	12 12	5 7	14 13	3 11	5 40	5 19	20 8	4 6	1 7	1 8	17 17	1 33	22 45	0 26	8 25	1 12	25 29	4 28	13 38	14 8	15 15	12 27	0 9
T 22	2 9	15 6	5 8	14 30	3 14	5 49	5 7	20 0	4 2	1 12	1 8	17 18	1 33	22 45	0 26	8 26	1 12	25 29	4 29	13 40	14 9	15 16	12 26	0 9
W23	2 33	17 21	4 55	14 46	3 17	5 57	4 55	19 51	3 57	1 17	1 8	17 19	1 33	22 45	0 26	8 26	1 12	25 29	4 29	13 41	14 10	15 18	12 25	0 10
T 24	2 56	18 53	4 29	14 58	3 19	6 3	4 43	19 43	3 53	1 22	1 8	17 19	1 32	22 45	0 26	8 27	1 12	25 29	4 29	13 42	14 11	15 19	12 24	0 10
F 25	3 20	19 35	3 52	15 8	3 20	6 10	4 30	19 34	3 49	1 28	1 8	17 20	1 32	22 44	0 26	8 27	1 12	25 29	4 29	13 43	14 12	15 21	12 23	0 10
S 26	3 44	19 23	3 4	15 15	3 20	6 15	4 18	19 25	3 44	1 33	1 8	17 20	1 32	22 44	0 27	8 28	1 12	25 29	4 29	13 43	14 13	15 22	12 22	0 10
S 27	4 7	18 16	2 6	15 19	3 19	6 19	4 6	19 16	3 40	1 38	1 8	17 21	1 32	22 44	0 27	8 28	1 12	25 29	4 29	13 42	14 14	15 24	12 21	0 10
M28	4 30	16 12	1 1	15 20	3 17	6 23	3 54	19 7	3 36	1 43	1 8	17 21	1 32	22 44	0 27	8 29	1 12	25 30	4 30	13 42	14 15	15 25	12 20	0 10
T 29	4 54	13 15	0n10	15 16	3 14	6 26	3 43	18 58	3 32	1 48	1 8	17 22	1 32	22 44	0 27	8 29	1 12	25 30	4 30	13 42	14 16	15 27	12 19	0 10
W30	5s17	9n30	1n22	15s 9	3s 9	6n27	3s31	18s48	3s28	1s53	1n 8	17s22	1s32	22n44	0n27	8s30	1s12	25n30	4n30	13n42	14n17	15n28	12n18	0s10

Julian Day Number = 2158870.5, Delta T = 13m24s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'00, Lahiri = 12°41'01 Julian Calendar 1 Sept. 1198 == Greg. Calendar 8 Sept. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

OCTOBER 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 4 50	14♎19'56	23♍ 0	1°R37	5♍24	18♒17	7♎35	16°R39	18♋16	11°R12	25♋48	23°R34	21♌48	1♊ 6	2°R40	T 1
F 2	1 8 46	15°19'39	7♎25	1♏10	5°52	18°37	7°48	16♒38	18°17	11♓11	25°49	23♌29	21°45	1°13	2♉37	F 2
S 3	1 12 43	16°19'25	22°10	0°35	6°22	18°56	8° 1	16°36	18°18	11°10	25°49	23°21	21°42	1°20	2°34	S 3
S 4	1 16 39	17°19'13	7♏ 6	29♎52	6°53	19°17	8°14	16°35	18°19	11° 8	25°50	23°13	21°39	1°26	2°31	S 4
M 5	1 20 36	18°19'03	22° 4	28°59	7°25	19°38	8°27	16°34	18°19	11° 7	25°50	23° 4	21°35	1°33	2°28	M 5
T 6	1 24 33	19°18'55	6♐56	27°59	7°59	19°59	8°40	16°33	18°20	11° 6	25°51	22°57	21°32	1°40	2°25	T 6
W 7	1 28 29	20°18'49	21°33	26°53	8°35	20°21	8°53	16°33	18°21	11° 5	25°51	22°51	21°29	1°47	2°23	W 7
T 8	1 32 26	21°18'44	5♑52	25°40	9°11	20°43	9° 6	16°32	18°21	11° 3	25°51	22°48	21°26	1°53	2°20	T 8
F 9	1 36 22	22°18'41	19°50	24°25	9°49	21° 6	9°19	16°31	18°22	11° 2	25°52	22°D47	21°23	2° 0	2°17	F 9
S 10	1 40 19	23°18'40	3♒26	23° 8	10°28	21°29	9°31	16°31	18°22	11° 1	25°52	22°47	21°19	2° 7	2°14	S 10
S 11	1 44 15	24°18'40	16°44	21°52	11° 9	21°53	9°44	16°30	18°23	11° 0	25°52	22°R48	21°16	2°13	2°11	S 11
M12	1 48 12	25°18'42	29°45	20°39	11°50	22°17	9°57	16°30	18°23	10°59	25°52	22°48	21°13	2°20	2° 8	M12
T 13	1 52 8	26°18'45	12♓31	19°32	12°33	22°41	10°10	16°30	18°23	10°58	25°53	22°46	21°10	2°27	2° 5	T 13
W14	1 56 5	27°18'51	25° 6	18°33	13°17	23° 6	10°23	16°D30	18°23	10°57	25°53	22°41	21° 7	2°34	2° 2	W14
T 15	2 0 2	28°18'57	7♈31	17°43	14° 1	23°32	10°35	16°30	18°24	10°56	25°53	22°34	21° 4	2°40	1°59	T 15
F 16	2 3 58	29°19'06	19°47	17° 4	14°47	23°57	10°48	16°30	18°24	10°55	25°53	22°24	21° 0	2°47	1°56	F 16
S 17	2 7 55	0♏19'17	1♉56	16°36	15°34	24°23	11° 1	16°30	18°24	10°54	25°53	22°12	20°57	2°54	1°53	S 17
S 18	2 11 51	1°19'29	13°58	16°19	16°22	24°50	11°14	16°31	18°R24	10°53	25°53	21°59	20°54	3° 1	1°50	S 18
M19	2 15 48	2°19'43	25°55	16°D14	17°10	25°16	11°26	16°31	18°24	10°52	25°53	21°45	20°51	3° 7	1°47	M19
T 20	2 19 44	3°19'59	7♊47	16°21	18° 0	25°44	11°39	16°32	18°24	10°51	25°53	21°33	20°48	3°14	1°44	T 20
W21	2 23 41	4°20'17	19°38	16°38	18°50	26°11	11°51	16°32	18°24	10°50	25°R53	21°23	20°45	3°21	1°41	W21
T 22	2 27 37	5°20'37	1♋29	17° 5	19°41	26°39	12° 4	16°33	18°23	10°50	25°53	21°15	20°41	3°27	1°38	T 22
F 23	2 31 34	6°20'59	13°25	17°41	20°33	27° 7	12°16	16°34	18°23	10°49	25°53	21°10	20°38	3°34	1°35	F 23
S 24	2 35 31	7°21'23	25°29	18°24	21°25	27°35	12°29	16°35	18°23	10°48	25°53	21° 8	20°35	3°41	1°32	S 24
S 25	2 39 27	8°21'49	7♌48	19°16	22°18	28° 4	12°41	16°36	18°22	10°47	25°53	21°D 8	20°32	3°48	1°29	S 25
M26	2 43 24	9°22'17	20°25	20°13	23°12	28°33	12°54	16°37	18°22	10°47	25°53	21°R 8	20°29	3°54	1°26	M26
T 27	2 47 20	10°22'47	3♍26	21°16	24° 7	29° 2	13° 6	16°38	18°22	10°46	25°53	21° 7	20°25	4° 1	1°23	T 27
W28	2 51 17	11°23'19	16°56	22°24	25° 2	29°32	13°18	16°40	18°21	10°45	25°53	21° 5	20°22	4° 8	1°20	W28
T 29	2 55 13	12°23'52	0♎55	23°36	25°58	0♓ 2	13°30	16°41	18°21	10°45	25°53	21° 0	20°19	4°14	1°17	T 29
F 30	2 59 10	13°24'27	15°24	24°52	26°55	0°32	13°43	16°43	18°20	10°44	25°52	20°53	20°16	4°21	1°14	F 30
S 31	3 3 6	14♏25'04	0♏17	26♎10	27♍52	1♓ 2	13♎55	16♒45	18♋19	10♓44	25♋52	20♌43	20♌13	4♊28	1♉11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s40	5n 6	2n31	14s57	3s 3	6n29	3s19	18s39	3s24	1s58	1n 8	17s22	1s32	22n44	0n27	8s30	1s12	25n30	4n30	13n43	14n18	15n30	12n17	0s10
F 2	6 4	0 18	3 33	14 40	2 56	6 29	3 8	18 29	3 20	2 4	1 8	17 23	1 32	22 44	0 27	8 31	1 12	25 30	4 30	13 45	14 19	15 31	12 16	0 10
S 3	6 27	4s37	4 22	14 19	2 46	6 28	2 57	18 19	3 16	2 9	1 8	17 23	1 32	22 44	0 27	8 31	1 12	25 30	4 31	13 48	14 20	15 33	12 15	0 10
S 4	6 50	9 19	4 53	13 53	2 35	6 27	2 46	18 9	3 12	2 14	1 8	17 23	1 32	22 44	0 27	8 32	1 12	25 30	4 31	13 50	14 21	15 34	12 14	0 11
M 5	7 13	13 27	5 5	13 22	2 22	6 25	2 35	17 58	3 8	2 19	1 8	17 24	1 32	22 43	0 27	8 32	1 12	25 30	4 31	13 53	14 22	15 36	12 13	0 11
T 6	7 35	16 41	4 56	12 46	2 7	6 22	2 25	17 48	3 5	2 24	1 8	17 24	1 32	22 43	0 27	8 33	1 12	25 30	4 31	13 56	14 23	15 37	12 12	0 11
W 7	7 58	18 49	4 28	12 7	1 50	6 19	2 14	17 37	3 1	2 29	1 8	17 24	1 32	22 43	0 27	8 33	1 12	25 30	4 31	13 57	14 24	15 39	12 11	0 11
T 8	8 21	19 41	3 44	11 24	1 32	6 15	2 4	17 27	2 57	2 34	1 9	17 24	1 32	22 43	0 27	8 33	1 12	25 31	4 32	13 58	14 25	15 40	12 10	0 11
F 9	8 43	19 19	2 47	10 38	1 13	6 10	1 54	17 16	2 53	2 39	1 9	17 24	1 31	22 43	0 27	8 34	1 12	25 31	4 32	13 59	14 26	15 42	12 9	0 11
S 10	9 6	17 49	1 42	9 50	0 53	6 4	1 44	17 5	2 50	2 44	1 9	17 24	1 31	22 43	0 27	8 34	1 12	25 31	4 32	13 59	14 27	15 43	12 8	0 11
S 11	9 28	15 22	0 32	9 3	0 32	5 57	1 35	16 54	2 46	2 49	1 9	17 24	1 31	22 43	0 27	8 35	1 12	25 31	4 32	13 59	14 28	15 44	12 6	0 11
M12	9 50	12 11	0s37	8 16	0 11	5 50	1 25	16 42	2 43	2 54	1 9	17 24	1 31	22 43	0 27	8 35	1 12	25 31	4 32	13 59	14 29	15 46	12 5	0 11
T 13	10 12	8 29	1 43	7 32	0n 9	5 43	1 16	16 31	2 39	2 59	1 9	17 24	1 31	22 43	0 27	8 36	1 12	25 31	4 32	13 59	14 30	15 47	12 4	0 11
W14	10 34	4 27	2 43	6 52	0 28	5 34	1 7	16 19	2 36	3 4	1 9	17 24	1 31	22 43	0 27	8 36	1 12	25 31	4 33	14 1	14 31	15 49	12 3	0 11
T 15	10 55	0 17	3 34	6 16	0 47	5 25	0 58	16 8	2 32	3 9	1 9	17 24	1 31	22 43	0 27	8 36	1 12	25 31	4 33	14 3	14 32	15 50	12 2	0 11
F 16	11 17	3n51	4 15	5 45	1 4	5 15	0 49	15 56	2 29	3 14	1 9	17 24	1 31	22 43	0 27	8 37	1 12	25 32	4 33	14 6	14 33	15 52	12 1	0 12
S 17	11 38	7 46	4 43	5 20	1 19	5 5	0 41	15 44	2 26	3 19	1 9	17 24	1 31	22 43	0 27	8 37	1 12	25 32	4 33	14 10	14 34	15 53	12 0	0 12
S 18	11 59	11 21	4 58	5 2	1 32	4 54	0 33	15 32	2 22	3 24	1 9	17 24	1 31	22 43	0 27	8 37	1 12	25 32	4 33	14 15	14 35	15 55	11 59	0 12
M19	12 20	14 27	5 0	4 49	1 44	4 43	0 25	15 20	2 19	3 29	1 9	17 24	1 31	22 43	0 27	8 38	1 12	25 32	4 34	14 19	14 36	15 56	11 58	0 12
T 20	12 41	16 56	4 49	4 43	1 53	4 31	0 17	15 8	2 16	3 34	1 9	17 23	1 31	22 43	0 27	8 38	1 12	25 32	4 34	14 23	14 37	15 57	11 56	0 12
W21	13 1	18 43	4 26	4 42	2 1	4 18	0 9	14 55	2 13	3 39	1 9	17 23	1 30	22 43	0 27	8 38	1 12	25 33	4 34	14 26	14 38	15 59	11 55	0 12
T 22	13 22	19 41	3 51	4 46	2 8	4 5	0 2	14 43	2 10	3 44	1 9	17 23	1 30	22 43	0 27	8 38	1 12	25 33	4 34	14 29	14 39	16 0	11 54	0 12
F 23	13 42	19 47	3 6	4 56	2 12	3 51	0n 6	14 30	2 7	3 49	1 9	17 22	1 30	22 44	0 27	8 39	1 12	25 33	4 34	14 30	14 40	16 2	11 53	0 12
S 24	14 2	18 59	2 11	5 9	2 16	3 37	0 13	14 18	2 4	3 53	1 9	17 22	1 30	22 44	0 27	8 39	1 12	25 33	4 35	14 31	14 41	16 3	11 52	0 12
S 25	14 21	17 16	1 10	5 27	2 18	3 22	0 20	14 5	2 1	3 58	1 9	17 22	1 30	22 44	0 27	8 39	1 12	25 33	4 35	14 31	14 42	16 5	11 51	0 12
M26	14 41	14 41	0 4	5 48	2 18	3 7	0 26	13 52	1 58	4 3	1 9	17 21	1 30	22 44	0 28	8 40	1 12	25 34	4 35	14 31	14 43	16 6	11 50	0 12
T 27	15 0	11 18	1n 5	6 12	2 18	2 51	0 33	13 39	1 55	4 8	1 9	17 21	1 30	22 44	0 28	8 40	1 12	25 34	4 35	14 31	14 45	16 8	11 49	0 12
W28	15 19	7 12	2 12	6 38	2 17	2 35	0 39	13 26	1 52	4 12	1 10	17 20	1 30	22 44	0 28	8 40	1 11	25 34	4 35	14 32	14 46	16 9	11 47	0 13
T 29	15 37	2 36	3 14	7 7	2 15	2 18	0 46	13 13	1 49	4 17	1 10	17 20	1 30	22 44	0 28	8 40	1 11	25 34	4 36	14 33	14 47	16 10	11 46	0 13
F 30	15 56	2s19	4 5	7 37	2 12	2 1	0 52	12 59	1 46	4 22	1 10	17 19	1 30	22 44	0 28	8 40	1 11	25 34	4 36	14 36	14 48	16 12	11 45	0 13
S 31	16s14	7s14	4n42	8s 9	2n 9	1n44	0n57	12s46	1s43	4s26	1n10	17s18	1s30	22n44	0n28	8s41	1s11	25n35	4n36	14n39	14n49	16n13	11n44	0s13

Julian Day Number = 2158900.5, Delta T = 13m24s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'04, Lahiri = 12°41'05 Julian Calendar 1 Oct. 1198 == Greg. Calendar 8 Oct. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

NOVEMBER 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 3	15♏25'43	15♏29	27♎32	28♍49	1♓33	14♎ 7	16♒46	18°R18	10°R43	25°R52	20°R32	20♌10	4♊35	1°R 8	S 1
M 2	3 11 0	16°26'23	0♐47	28°55	29°47	2° 3	14°19	16°48	18♋18	10♓43	25♋51	20♌20	20° 6	4°41	1♉ 5	M 2
T 3	3 14 56	17°27'04	16° 0	0♏20	0♎46	2°35	14°31	16°50	18°17	10°42	25°51	20° 9	20° 3	4°48	1° 3	T 3
W 4	3 18 53	18°27'47	0♑58	1°47	1°45	3° 6	14°43	16°52	18°16	10°42	25°51	20° 1	20° 0	4°55	1° 0	W 4
T 5	3 22 49	19°28'31	15°33	3°15	2°45	3°38	14°55	16°55	18°15	10°42	25°50	19°56	19°57	5° 1	0°57	T 5
F 6	3 26 46	20°29'16	29°41	4°44	3°45	4° 9	15° 6	16°57	18°14	10°41	25°50	19°53	19°54	5° 8	0°54	F 6
S 7	3 30 42	21°30'03	13♒23	6°14	4°45	4°41	15°18	16°59	18°13	10°41	25°50	19°52	19°51	5°15	0°51	S 7
S 8	3 34 39	22°30'50	26°39	7°44	5°46	5°14	15°30	17° 2	18°12	10°41	25°49	19°52	19°47	5°22	0°49	S 8
M 9	3 38 35	23°31'38	9♓34	9°16	6°48	5°46	15°42	17° 4	18°11	10°40	25°49	19°51	19°44	5°28	0°46	M 9
T 10	3 42 32	24°32'27	22°11	10°47	7°49	6°19	15°53	17° 7	18° 9	10°40	25°48	19°49	19°41	5°35	0°43	T 10
W11	3 46 29	25°33'17	4♈34	12°19	8°52	6°52	16° 5	17°10	18° 8	10°40	25°48	19°44	19°38	5°42	0°40	W11
T 12	3 50 25	26°34'08	16°47	13°52	9°54	7°25	16°16	17°13	18° 7	10°40	25°47	19°36	19°35	5°49	0°38	T 12
F 13	3 54 22	27°35'00	28°52	15°24	10°57	7°58	16°27	17°16	18° 6	10°40	25°46	19°25	19°31	5°55	0°35	F 13
S 14	3 58 18	28°35'53	10♉52	16°57	12° 0	8°31	16°39	17°19	18° 4	10°40	25°46	19°12	19°28	6° 2	0°33	S 14
S 15	4 2 15	29°36'47	22°47	18°30	13° 4	9° 5	16°50	17°22	18° 3	10°D40	25°45	18°57	19°25	6° 9	0°30	S 15
M16	4 6 11	0♐37'42	4♊41	20° 3	14° 8	9°39	17° 1	17°25	18° 1	10°40	25°44	18°42	19°22	6°15	0°28	M16
T 17	4 10 8	1°38'39	16°32	21°36	15°12	10°12	17°12	17°29	18° 0	10°40	25°44	18°29	19°19	6°22	0°25	T 17
W18	4 14 4	2°39'36	28°24	23° 9	16°17	10°46	17°23	17°32	17°58	10°40	25°43	18°17	19°16	6°29	0°23	W18
T 19	4 18 1	3°40'34	10♋18	24°43	17°22	11°21	17°34	17°36	17°57	10°40	25°42	18° 8	19°12	6°36	0°20	T 19
F 20	4 21 58	4°41'34	22°17	26°16	18°27	11°55	17°45	17°39	17°55	10°40	25°42	18° 3	19° 9	6°42	0°18	F 20
S 21	4 25 54	5°42'35	4♌23	27°49	19°32	12°29	17°55	17°43	17°53	10°40	25°41	18° 0	19° 6	6°49	0°16	S 21
S 22	4 29 51	6°43'36	16°41	29°23	20°38	13° 4	18° 6	17°47	17°52	10°40	25°40	17°D59	19° 3	6°56	0°13	S 22
M23	4 33 47	7°44'39	29°15	0♐56	21°44	13°39	18°17	17°51	17°50	10°41	25°39	17°59	19° 0	7° 2	0°11	M23
T 24	4 37 44	8°45'43	12♍10	2°30	22°50	14°14	18°27	17°55	17°48	10°41	25°38	17°R59	18°56	7° 9	0° 9	T 24
W25	4 41 40	9°46'48	25°30	4° 4	23°57	14°49	18°37	17°59	17°46	10°41	25°37	17°58	18°53	7°16	0° 7	W25
T 26	4 45 37	10°47'54	9♎19	5°38	25° 4	15°24	18°48	18° 3	17°44	10°42	25°37	17°55	18°50	7°23	0° 5	T 26
F 27	4 49 33	11°49'01	23°37	7°12	26°11	15°59	18°58	18° 7	17°42	10°42	25°36	17°49	18°47	7°29	0° 3	F 27
S 28	4 53 30	12°50'08	8♏22	8°46	27°18	16°34	19° 8	18°11	17°40	10°42	25°35	17°41	18°44	7°36	0° 1	S 28
S 29	4 57 27	13°51'17	23°29	10°20	28°25	17°10	19°18	18°16	17°38	10°43	25°34	17°31	18°41	7°43	29♈59	S 29
M30	5 1 23	14♐52'26	8♐48	11♐54	29♎33	17♓46	19♎28	18♒20	17♋36	10♓43	25♋33	17♌21	18♌37	7♊49	29♈57	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s32	11s47	4n59	8s42	2n 5	1n26	1n 3	12s32	1s41	4s31	1n10	17s18	1s29	22n44	0n28	8s41	1s11	25n35	4n36	14n43	14n50	16n15	11n43	0s13
M 2	16 49	15 35	4 55	9 16	2 0	1 8	1 8	12 19	1 38	4 36	1 10	17 17	1 29	22 45	0 28	8 41	1 11	25 35	4 36	14 46	14 51	16 16	11 42	0 13
T 3	17 7	18 19	4 31	9 51	1 55	0 49	1 14	12 5	1 35	4 40	1 10	17 16	1 29	22 45	0 28	8 41	1 11	25 35	4 37	14 50	14 52	16 17	11 41	0 13
W 4	17 24	19 45	3 48	10 26	1 50	0 30	1 19	11 51	1 33	4 45	1 10	17 16	1 29	22 45	0 28	8 41	1 11	25 36	4 37	14 52	14 53	16 19	11 40	0 13
T 5	17 40	19 48	2 51	11 1	1 44	0 11	1 24	11 37	1 30	4 49	1 10	17 15	1 29	22 45	0 28	8 41	1 11	25 36	4 37	14 54	14 54	16 20	11 39	0 13
F 6	17 57	18 36	1 44	11 37	1 38	0s 9	1 28	11 23	1 28	4 54	1 10	17 14	1 29	22 45	0 28	8 41	1 11	25 36	4 37	14 55	14 55	16 22	11 38	0 13
S 7	18 13	16 20	0 34	12 13	1 32	0 29	1 33	11 9	1 25	4 58	1 10	17 13	1 29	22 45	0 28	8 41	1 11	25 36	4 37	14 55	14 56	16 23	11 37	0 13
S 8	18 29	13 15	0s36	12 48	1 25	0 49	1 37	10 55	1 23	5 3	1 11	17 13	1 29	22 46	0 28	8 41	1 11	25 37	4 37	14 55	14 57	16 24	11 36	0 13
M 9	18 44	9 35	1 42	13 24	1 19	1 10	1 41	10 41	1 20	5 7	1 11	17 12	1 29	22 46	0 28	8 42	1 11	25 37	4 38	14 55	14 58	16 26	11 35	0 14
T 10	18 59	5 35	2 42	13 59	1 12	1 30	1 45	10 26	1 18	5 11	1 11	17 11	1 29	22 46	0 28	8 42	1 11	25 37	4 38	14 56	14 59	16 27	11 34	0 14
W11	19 14	1 26	3 33	14 34	1 5	1 51	1 49	10 12	1 16	5 16	1 11	17 10	1 29	22 46	0 28	8 42	1 11	25 38	4 38	14 58	15 0	16 29	11 33	0 14
T 12	19 28	2n44	4 13	15 8	0 59	2 13	1 53	9 57	1 13	5 20	1 11	17 9	1 29	22 46	0 28	8 42	1 11	25 38	4 38	15 0	15 1	16 30	11 32	0 14
F 13	19 42	6 44	4 41	15 42	0 52	2 34	1 56	9 43	1 11	5 24	1 11	17 8	1 28	22 47	0 28	8 42	1 11	25 38	4 38	15 4	15 2	16 31	11 31	0 14
S 14	19 56	10 27	4 57	16 15	0 45	2 56	2 0	9 28	1 9	5 28	1 11	17 7	1 28	22 47	0 28	8 42	1 11	25 38	4 39	15 8	15 3	16 33	11 30	0 14
S 15	20 9	13 43	4 59	16 48	0 38	3 18	2 3	9 13	1 6	5 33	1 11	17 6	1 28	22 47	0 28	8 42	1 11	25 39	4 39	15 12	15 4	16 34	11 29	0 14
M16	20 22	16 26	4 48	17 20	0 31	3 40	2 6	8 59	1 4	5 37	1 11	17 5	1 28	22 47	0 28	8 42	1 11	25 39	4 39	15 17	15 5	16 36	11 28	0 14
T 17	20 35	18 28	4 25	17 52	0 23	4 2	2 9	8 44	1 2	5 41	1 12	17 4	1 28	22 47	0 28	8 42	1 11	25 39	4 39	15 21	15 6	16 37	11 27	0 14
W18	20 47	19 41	3 50	18 22	0 17	4 24	2 12	8 29	1 0	5 45	1 12	17 2	1 28	22 48	0 28	8 41	1 11	25 40	4 39	15 25	15 7	16 38	11 26	0 14
T 19	20 59	20 3	3 5	18 52	0 10	4 47	2 14	8 14	0 58	5 49	1 12	17 1	1 28	22 48	0 28	8 41	1 11	25 40	4 39	15 28	15 8	16 40	11 25	0 14
F 20	21 10	19 31	2 12	19 21	0 3	5 9	2 17	7 59	0 56	5 53	1 12	17 0	1 28	22 48	0 28	8 41	1 11	25 40	4 40	15 29	15 9	16 41	11 24	0 14
S 21	21 21	18 5	1 12	19 50	0s 4	5 32	2 19	7 44	0 54	5 57	1 12	16 59	1 28	22 48	0 28	8 41	1 11	25 41	4 40	15 30	15 10	16 42	11 23	0 14
S 22	21 31	15 48	0 7	20 17	0 11	5 55	2 21	7 28	0 52	6 1	1 12	16 58	1 28	22 49	0 28	8 41	1 11	25 41	4 40	15 30	15 11	16 44	11 22	0 15
M23	21 42	12 43	1n 0	20 43	0 18	6 18	2 23	7 13	0 50	6 5	1 12	16 56	1 28	22 49	0 28	8 41	1 11	25 41	4 40	15 30	15 12	16 45	11 21	0 15
T 24	21 51	8 57	2 5	21 9	0 24	6 41	2 25	6 58	0 48	6 9	1 12	16 55	1 28	22 49	0 28	8 41	1 11	25 42	4 40	15 30	15 13	16 46	11 21	0 15
W25	22 1	4 38	3 6	21 33	0 31	7 4	2 26	6 43	0 46	6 13	1 13	16 54	1 28	22 49	0 28	8 41	1 11	25 42	4 40	15 31	15 14	16 48	11 20	0 15
T 26	22 10	0s 4	3 58	21 57	0 37	7 27	2 28	6 27	0 44	6 16	1 13	16 52	1 27	22 50	0 28	8 41	1 11	25 42	4 41	15 32	15 15	16 49	11 19	0 15
F 27	22 18	4 55	4 37	22 19	0 43	7 50	2 29	6 12	0 42	6 20	1 13	16 51	1 27	22 50	0 28	8 40	1 11	25 43	4 41	15 33	15 16	16 51	11 18	0 15
S 28	22 26	9 38	4 59	22 40	0 49	8 13	2 31	5 56	0 40	6 24	1 13	16 50	1 27	22 50	0 28	8 40	1 11	25 43	4 41	15 36	15 17	16 52	11 17	0 15
S 29	22 34	13 51	5 2	23 0	0 55	8 36	2 32	5 41	0 38	6 27	1 13	16 48	1 27	22 51	0 28	8 40	1 10	25 43	4 41	15 39	15 17	16 53	11 17	0 15
M30	22s41	17s12	4n43	23s19	1s 1	8s59	2n33	5s25	0s36	6s31	1n13	16s47	1s27	22n51	0n29	8s40	1s10	25n44	4n41	15n42	15n18	16n55	11n16	0s15

Julian Day Number = 2158931.5, Delta T = 13m24s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'09, Lahiri = 12°41'09 Julian Calendar 1 Nov. 1198 == Greg. Calendar 8 Nov. 1198

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ASTRODIENST EPHEMERIS for the year 1198
geocentric

DECEMBER 1198 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 5 20	15♐53'36	24♐ 7	13♐28	0♏41	18♓21	19♎38	18♒25	17°R34	10♓44	25°R32	17°R12	18♌34	7♊56	29°R55	T 1
W 2	5 9 16	16°54'47	9♑16	15° 3	1°49	18°57	19°47	18°29	17♋32	10°45	25♋31	17♌ 5	18°31	8° 3	29♈53	W 2
T 3	5 13 13	17°55'58	24° 5	16°38	2°57	19°33	19°57	18°34	17°30	10°45	25°30	17° 0	18°28	8°10	29°51	T 3
F 4	5 17 9	18°57'09	8♒28	18°13	4° 6	20° 9	20° 6	18°39	17°28	10°46	25°29	16°58	18°25	8°16	29°49	F 4
S 5	5 21 6	19°58'20	22°21	19°48	5°14	20°45	20°16	18°44	17°25	10°46	25°28	16°D58	18°22	8°23	29°48	S 5
S 6	5 25 2	20°59'31	5♓46	21°24	6°23	21°22	20°25	18°49	17°23	10°47	25°27	16°58	18°18	8°30	29°46	S 6
M 7	5 28 59	22° 0'42	18°46	22°59	7°32	21°58	20°34	18°54	17°21	10°48	25°26	16°R59	18°15	8°36	29°45	M 7
T 8	5 32 56	23° 1'53	1♈23	24°35	8°41	22°34	20°43	18°59	17°19	10°49	25°24	16°59	18°12	8°43	29°43	T 8
W 9	5 36 52	24° 3'04	13°44	26°11	9°50	23°11	20°52	19° 4	17°16	10°49	25°23	16°56	18° 9	8°50	29°42	W 9
T 10	5 40 49	25° 4'15	25°52	27°48	11° 0	23°47	21° 1	19° 9	17°14	10°50	25°22	16°52	18° 6	8°57	29°40	T 10
F 11	5 44 45	26° 5'26	7♉51	29°24	12° 9	24°24	21°10	19°14	17°12	10°51	25°21	16°45	18° 2	9° 3	29°39	F 11
S 12	5 48 42	27° 6'37	19°45	1♊ 2	13°19	25° 1	21°18	19°20	17° 9	10°52	25°20	16°36	17°59	9°10	29°38	S 12
S 13	5 52 38	28° 7'48	1♋37	2°39	14°29	25°38	21°27	19°25	17° 7	10°53	25°19	16°27	17°56	9°17	29°36	S 13
M14	5 56 35	29° 8'59	13°29	4°16	15°39	26°15	21°35	19°31	17° 4	10°54	25°18	16°17	17°53	9°23	29°35	M14
T 15	6 0 31	0♊10'09	25°23	5°54	16°49	26°52	21°43	19°36	17° 2	10°55	25°16	16° 8	17°50	9°30	29°34	T 15
W16	6 4 28	1°11'20	7♌19	7°33	17°59	27°29	21°51	19°42	16°59	10°56	25°15	16° 0	17°47	9°37	29°33	W16
T 17	6 8 25	2°12'31	19°21	9°11	19° 9	28° 6	21°59	19°48	16°57	10°57	25°14	15°54	17°43	9°44	29°32	T 17
F 18	6 12 21	3°13'41	1♍28	10°50	20°20	28°43	22° 7	19°53	16°55	10°58	25°13	15°51	17°40	9°50	29°31	F 18
S 19	6 16 18	4°14'52	13°44	12°29	21°31	29°20	22°15	19°59	16°52	10°59	25°11	15°D50	17°37	9°57	29°30	S 19
S 20	6 20 14	5°16'02	26°11	14° 8	22°41	29°57	22°22	20° 5	16°49	11° 0	25°10	15°50	17°34	10° 4	29°29	S 20
M21	6 24 11	6°17'12	8♏51	15°48	23°52	0♈35	22°30	20°11	16°47	11° 2	25° 9	15°52	17°31	10°10	29°29	M21
T 22	6 28 7	7°18'23	21°48	17°27	25° 3	1°12	22°37	20°17	16°44	11° 3	25° 8	15°53	17°28	10°17	29°28	T 22
W23	6 32 4	8°19'33	5♎ 5	19° 7	26°14	1°50	22°44	20°23	16°42	11° 4	25° 6	15°R54	17°24	10°24	29°27	W23
T 24	6 36 1	9°20'43	18°44	20°46	27°25	2°27	22°51	20°29	16°39	11° 5	25° 5	15°54	17°21	10°31	29°27	T 24
F 25	6 39 57	10°21'54	2♏48	22°25	28°36	3° 5	22°58	20°35	16°37	11° 7	25° 4	15°52	17°18	10°37	29°26	F 25
S 26	6 43 54	11°23'04	17°14	24° 4	29°48	3°42	23° 5	20°42	16°34	11° 8	25° 2	15°48	17°15	10°44	29°26	S 26
S 27	6 47 50	12°24'14	2♐ 1	25°43	0♐59	4°20	23°11	20°48	16°31	11° 9	25° 1	15°44	17°12	10°51	29°25	S 27
M28	6 51 47	13°25'23	17° 1	27°21	2°11	4°58	23°18	20°54	16°29	11°11	25° 0	15°39	17° 8	10°57	29°25	M28
T 29	6 55 43	14°26'33	2♑ 7	28°58	3°22	5°35	23°24	21° 0	16°26	11°12	24°58	15°34	17° 5	11° 4	29°25	T 29
W30	6 59 40	15°27'42	17° 8	0♒34	4°34	6°13	23°30	21° 7	16°24	11°14	24°57	15°30	17° 2	11°11	29°24	W30
T 31	7 3 36	16♑28'50	1♒56	2♒ 9	5♐45	6♈51	23♎36	21♒13	16♋21	11♓15	24♋56	15♌28	16♌59	11♊18	29♈24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s47	19s22	4n 3	23s37	1s 7	9s22	2n33	5s 9	0s35	6s35	1n13	16s45	1s27	22n51	0n29	8s40	1s10	25n44	4n41	15n45	15n19	16n56	11n15	0s15
W 2	22 54	20 6	3 7	23 54	1 12	9 45	2 34	4 54	0 33	6 38	1 14	16 44	1 27	22 51	0 29	8 39	1 10	25 44	4 42	15 47	15 20	16 57	11 14	0 15
T 3	22 59	19 26	1 59	24 9	1 18	10 8	2 35	4 38	0 31	6 42	1 14	16 42	1 27	22 52	0 29	8 39	1 10	25 45	4 42	15 48	15 21	16 59	11 14	0 15
F 4	23 5	17 30	0 45	24 23	1 23	10 30	2 35	4 22	0 29	6 45	1 14	16 41	1 27	22 52	0 29	8 39	1 10	25 45	4 42	15 49	15 22	17 0	11 13	0 15
S 5	23 10	14 35	0s29	24 36	1 28	10 53	2 35	4 6	0 28	6 48	1 14	16 39	1 27	22 52	0 29	8 38	1 10	25 45	4 42	15 49	15 23	17 1	11 12	0 15
S 6	23 14	10 58	1 39	24 48	1 32	11 15	2 36	3 50	0 26	6 52	1 14	16 37	1 27	22 53	0 29	8 38	1 10	25 46	4 42	15 49	15 24	17 3	11 12	0 16
M 7	23 18	6 57	2 42	24 58	1 37	11 38	2 36	3 35	0 25	6 55	1 14	16 36	1 27	22 53	0 29	8 38	1 10	25 46	4 42	15 49	15 25	17 4	11 11	0 16
T 8	23 21	2 44	3 35	25 7	1 41	12 0	2 36	3 19	0 23	6 58	1 15	16 34	1 27	22 53	0 29	8 38	1 10	25 46	4 42	15 49	15 26	17 5	11 11	0 16
W 9	23 24	1n30	4 17	25 14	1 45	12 22	2 35	3 3	0 21	7 2	1 15	16 32	1 27	22 54	0 29	8 37	1 10	25 47	4 43	15 49	15 27	17 7	11 10	0 16
T 10	23 27	5 35	4 46	25 20	1 49	12 44	2 35	2 47	0 20	7 5	1 15	16 31	1 27	22 54	0 29	8 37	1 10	25 47	4 43	15 51	15 28	17 8	11 9	0 16
F 11	23 29	9 25	5 3	25 24	1 52	13 6	2 35	2 31	0 18	7 8	1 15	16 29	1 27	22 54	0 29	8 36	1 10	25 47	4 43	15 53	15 29	17 9	11 9	0 16
S 12	23 31	12 50	5 6	25 27	1 55	13 27	2 34	2 15	0 17	7 11	1 15	16 27	1 26	22 55	0 29	8 36	1 10	25 48	4 43	15 56	15 30	17 10	11 8	0 16
S 13	23 32	15 44	4 56	25 29	1 58	13 48	2 33	1 59	0 15	7 14	1 15	16 26	1 26	22 55	0 29	8 36	1 10	25 48	4 43	15 58	15 31	17 12	11 8	0 16
M14	23 32	18 0	4 33	25 29	2 0	14 9	2 33	1 43	0 14	7 17	1 16	16 24	1 26	22 55	0 29	8 35	1 10	25 48	4 43	16 1	15 32	17 13	11 7	0 16
T 15	23 32	19 29	3 58	25 27	2 2	14 30	2 32	1 26	0 12	7 20	1 16	16 22	1 26	22 56	0 29	8 35	1 10	25 49	4 43	16 4	15 33	17 14	11 7	0 16
W16	23 32	20 8	3 13	25 24	2 4	14 51	2 31	1 10	0 11	7 23	1 16	16 20	1 26	22 56	0 29	8 35	1 10	25 49	4 43	16 6	15 34	17 16	11 6	0 16
T 17	23 31	19 51	2 18	25 19	2 6	15 11	2 30	0 54	0 9	7 25	1 16	16 18	1 26	22 56	0 29	8 34	1 10	25 49	4 44	16 8	15 35	17 17	11 6	0 16
F 18	23 30	18 40	1 17	25 12	2 7	15 31	2 29	0 38	0 8	7 28	1 16	16 16	1 26	22 57	0 29	8 34	1 10	25 50	4 44	16 9	15 36	17 18	11 6	0 16
S 19	23 28	16 35	0 11	25 4	2 7	15 51	2 27	0 22	0 7	7 31	1 17	16 15	1 26	22 57	0 29	8 33	1 10	25 50	4 44	16 10	15 37	17 20	11 5	0 16
S 20	23 26	13 43	0n56	24 54	2 7	16 10	2 26	0 6	0 5	7 33	1 17	16 13	1 26	22 57	0 29	8 33	1 10	25 51	4 44	16 9	15 38	17 21	11 5	0 16
M21	23 23	10 10	2 2	24 42	2 7	16 29	2 25	0n10	0 4	7 36	1 17	16 11	1 26	22 58	0 29	8 32	1 10	25 51	4 44	16 9	15 39	17 22	11 5	0 17
T 22	23 20	6 4	3 3	24 29	2 6	16 48	2 23	0 26	0 3	7 39	1 17	16 9	1 26	22 58	0 29	8 32	1 10	25 51	4 44	16 8	15 40	17 23	11 4	0 17
W23	23 17	1 35	3 56	24 14	2 5	17 6	2 21	0 43	0 1	7 41	1 17	16 7	1 26	22 58	0 29	8 31	1 10	25 52	4 44	16 8	15 41	17 25	11 4	0 17
T 24	23 13	3s 6	4 38	23 57	2 3	17 24	2 20	0 59	0 0	7 43	1 18	16 5	1 26	22 59	0 29	8 31	1 10	25 52	4 44	16 8	15 42	17 26	11 4	0 17
F 25	23 8	7 44	5 4	23 39	2 0	17 41	2 18	1 15	0n 1	7 46	1 18	16 3	1 26	22 59	0 29	8 30	1 10	25 52	4 45	16 9	15 43	17 27	11 3	0 17
S 26	23 3	12 4	5 12	23 19	1 57	17 59	2 16	1 31	0 2	7 48	1 18	16 1	1 26	22 59	0 29	8 30	1 10	25 53	4 45	16 10	15 44	17 29	11 3	0 17
S 27	22 58	15 46	4 59	22 57	1 54	18 15	2 14	1 47	0 4	7 50	1 18	15 59	1 26	23 0	0 29	8 29	1 10	25 53	4 45	16 11	15 45	17 30	11 3	0 17
M28	22 52	18 29	4 27	22 34	1 49	18 32	2 12	2 3	0 5	7 53	1 18	15 57	1 26	23 0	0 29	8 29	1 10	25 53	4 45	16 13	15 46	17 31	11 3	0 17
T 29	22 45	19 56	3 35	22 9	1 44	18 47	2 10	2 19	0 6	7 55	1 19	15 55	1 26	23 0	0 29	8 28	1 10	25 54	4 45	16 14	15 47	17 32	11 3	0 17
W30	22 38	19 59	2 29	21 43	1 38	19 3	2 8	2 35	0 7	7 57	1 19	15 53	1 26	23 1	0 29	8 27	1 10	25 54	4 45	16 15	15 48	17 34	11 3	0 17
T 31	22s31	18s37	1n14	21s15	1s32	19s18	2n 6	2n52	0n 8	7s59	1n19	15s50	1s26	23n 1	0n29	8s27	1s10	25n54	4n45	16n16	15n49	17n35	11n 2	0s17

Julian Day Number = 2158961.5, Delta T = 13m24s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'13, Lahiri = 12°41'13 Julian Calendar 1 Dec. 1198 == Greg. Calendar 8 Dec. 1198

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

JANUARY 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 7 33	17♑29'58	16♒23	3♒42	6♐57	7♈29	23♎42	21♒20	16°R18	11♓16	24°R54	15°D28	16♌56	11♊24	29°R24	F 1
S 2	7 11 30	18°31'04	0♓24	5°13	8° 9	8° 7	23°48	21°26	16♋16	11°18	24♋53	15♌28	16°53	11°31	29°D24	S 2
S 3	7 15 26	19°32'10	13°59	6°42	9°21	8°45	23°53	21°33	16°13	11°20	24°52	15°30	16°49	11°38	29♈24	S 3
M 4	7 19 23	20°33'14	27° 7	8° 7	10°33	9°23	23°58	21°40	16°10	11°21	24°50	15°32	16°46	11°44	29°24	M 4
T 5	7 23 19	21°34'18	9♈51	9°29	11°45	10° 1	24° 4	21°46	16° 8	11°23	24°49	15°33	16°43	11°51	29°24	T 5
W 6	7 27 16	22°35'20	22°16	10°46	12°57	10°39	24° 9	21°53	16° 5	11°24	24°47	15°R33	16°40	11°58	29°25	W 6
T 7	7 31 12	23°36'21	4♉26	11°59	14° 9	11°17	24°13	22° 0	16° 3	11°26	24°46	15°33	16°37	12° 5	29°25	T 7
F 8	7 35 9	24°37'21	16°25	13° 5	15°21	11°55	24°18	22° 6	16° 0	11°28	24°45	15°31	16°34	12°11	29°25	F 8
S 9	7 39 5	25°38'20	28°18	14° 5	16°34	12°34	24°23	22°13	15°58	11°29	24°43	15°29	16°30	12°18	29°26	S 9
S 10	7 43 2	26°39'18	10♊ 8	14°58	17°46	13°12	24°27	22°20	15°55	11°31	24°42	15°26	16°27	12°25	29°26	S 10
M11	7 46 59	27°40'15	22° 1	15°42	18°58	13°50	24°31	22°27	15°52	11°33	24°41	15°23	16°24	12°31	29°27	M11
T 12	7 50 55	28°41'10	3♋57	16°18	20°11	14°28	24°35	22°34	15°50	11°35	24°39	15°20	16°21	12°38	29°27	T 12
W13	7 54 52	29°42'04	16° 1	16°44	21°23	15° 6	24°39	22°41	15°47	11°36	24°38	15°18	16°18	12°45	29°28	W13
T 14	7 58 48	0♒42'57	28°12	16°59	22°36	15°45	24°43	22°48	15°45	11°38	24°36	15°16	16°14	12°52	29°29	T 14
F 15	8 2 45	1°43'49	10♌34	17°R 4	23°48	16°23	24°46	22°55	15°42	11°40	24°35	15°D16	16°11	12°58	29°29	F 15
S 16	8 6 41	2°44'40	23° 7	16°57	25° 1	17° 1	24°49	23° 2	15°40	11°42	24°34	15°16	16° 8	13° 5	29°30	S 16
S 17	8 10 38	3°45'30	5♍51	16°40	26°14	17°40	24°53	23° 9	15°37	11°44	24°32	15°16	16° 5	13°12	29°31	S 17
M18	8 14 34	4°46'18	18°49	16°11	27°26	18°18	24°56	23°16	15°35	11°46	24°31	15°17	16° 2	13°18	29°32	M18
T 19	8 18 31	5°47'05	2♎ 0	15°32	28°39	18°56	24°58	23°23	15°33	11°48	24°30	15°18	15°59	13°25	29°33	T 19
W20	8 22 28	6°47'52	15°26	14°45	29°52	19°35	25° 1	23°30	15°30	11°49	24°28	15°19	15°55	13°32	29°34	W20
T 21	8 26 24	7°48'37	29° 8	13°49	1♑ 5	20°13	25° 3	23°37	15°28	11°51	24°27	15°19	15°52	13°38	29°35	T 21
F 22	8 30 21	8°49'21	13♏ 5	12°46	2°18	20°52	25° 6	23°45	15°25	11°53	24°26	15°R19	15°49	13°45	29°36	F 22
S 23	8 34 17	9°50'05	27°17	11°40	3°30	21°30	25° 8	23°52	15°23	11°55	24°24	15°19	15°46	13°52	29°38	S 23
S 24	8 38 14	10°50'47	11♐41	10°30	4°43	22° 9	25° 9	23°59	15°21	11°57	24°23	15°19	15°43	13°59	29°39	S 24
M25	8 42 10	11°51'28	26°15	9°20	5°56	22°47	25°11	24° 6	15°19	11°59	24°22	15°18	15°40	14° 5	29°40	M25
T 26	8 46 7	12°52'08	10♑53	8°10	7° 9	23°25	25°13	24°14	15°16	12° 1	24°20	15°18	15°36	14°12	29°42	T 26
W27	8 50 3	13°52'47	25°29	7° 4	8°22	24° 4	25°14	24°21	15°14	12° 3	24°19	15°18	15°33	14°19	29°43	W27
T 28	8 54 0	14°53'24	9♒58	6° 2	9°35	24°42	25°15	24°28	15°12	12° 6	24°18	15°18	15°30	14°25	29°45	T 28
F 29	8 57 57	15°53'59	24°13	5° 5	10°48	25°21	25°16	24°35	15°10	12° 8	24°17	15°18	15°27	14°32	29°46	F 29
S 30	9 1 53	16°54'33	8♓ 9	4°14	12° 2	26° 0	25°17	24°43	15° 8	12°10	24°15	15°18	15°24	14°39	29°48	S 30
S 31	9 5 50	17♒55'05	21♓44	3♒31	13♑15	26♈38	25♎17	24♒50	15♋ 6	12♓12	24♋14	15♌18	15♌20	14♊46	29♈50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s23	16s 4	0s 5	20s46	1s24	19s32	2n 3	3n 8	0n10	8s 1	1n19	15s48	1s26	23n 1	0n29	8s26	1s10	25n55	4n45	16n16	15n50	17n36	11n 2	0s17	
S 2	22 15	12 38	1 21	20 16	1 16	19 46	2 1	3 24	0 11	8 3	1 19	15 46	1 26	23 2	0 29	8 26	1 10	25 55	4 45	16 16	15 51	17 37	11 2	0 17	
S 3	22 7	8 38	2 30	19 45	1 7	20 0	1 58	3 40	0 12	8 4	1 20	15 44	1 26	23 2	0 29	8 25	1 9	25 55	4 45	16 15	15 52	17 39	11 2	0 17	
M 4	21 58	4 21	3 29	19 14	0 57	20 13	1 56	3 56	0 13	8 6	1 20	15 42	1 26	23 2	0 29	8 24	1 9	25 56	4 45	16 15	15 53	17 40	11 2	0 17	
T 5	21 48	0 0	4 16	18 42	0 46	20 25	1 53	4 12	0 14	8 8	1 20	15 40	1 26	23 3	0 29	8 24	1 9	25 56	4 46	16 15	15 54	17 41	11 2	0 17	
W 6	21 38	4n14	4 49	18 9	0 34	20 37	1 51	4 28	0 15	8 10	1 20	15 38	1 26	23 3	0 29	8 23	1 9	25 56	4 46	16 14	15 55	17 42	11 2	0 18	
T 7	21 28	8 12	5 9	17 37	0 21	20 48	1 48	4 44	0 16	8 11	1 20	15 35	1 26	23 3	0 29	8 23	1 9	25 57	4 46	16 15	15 55	17 44	11 2	0 18	
F 8	21 17	11 47	5 15	17 5	0 7	20 59	1 45	5 0	0 17	8 13	1 21	15 33	1 26	23 4	0 29	8 22	1 9	25 57	4 46	16 15	15 56	17 45	11 2	0 18	
S 9	21 6	14 52	5 7	16 34	0n 7	21 10	1 43	5 16	0 18	8 14	1 21	15 31	1 26	23 4	0 29	8 21	1 9	25 57	4 46	16 16	15 57	17 46	11 2	0 18	
S 10	20 55	17 21	4 46	16 3	0 22	21 19	1 40	5 31	0 19	8 15	1 21	15 29	1 26	23 4	0 29	8 21	1 9	25 58	4 46	16 17	15 58	17 47	11 3	0 18	
M11	20 43	19 5	4 13	15 35	0 39	21 28	1 37	5 47	0 20	8 17	1 21	15 26	1 26	23 4	0 29	8 20	1 9	25 58	4 46	16 18	15 59	17 49	11 3	0 18	
T 12	20 31	20 0	3 29	15 8	0 55	21 37	1 34	6 3	0 21	8 18	1 22	15 24	1 26	23 5	0 29	8 19	1 9	25 58	4 46	16 18	16 0	17 50	11 3	0 18	
W13	20 18	20 1	2 35	14 44	1 12	21 45	1 31	6 19	0 22	8 19	1 22	15 22	1 26	23 5	0 29	8 18	1 9	25 59	4 46	16 19	16 1	17 51	11 3	0 18	
T 14	20 5	19 5	1 33	14 23	1 30	21 52	1 28	6 34	0 23	8 20	1 22	15 19	1 26	23 5	0 29	8 18	1 9	25 59	4 46	16 20	16 2	17 52	11 3	0 18	
F 15	19 52	17 15	0 26	14 5	1 47	21 59	1 25	6 50	0 24	8 21	1 22	15 17	1 26	23 6	0 29	8 17	1 9	25 59	4 46	16 20	16 3	17 53	11 3	0 18	
S 16	19 38	14 33	0n43	13 50	2 5	22 5	1 22	7 6	0 25	8 22	1 23	15 15	1 26	23 6	0 29	8 16	1 9	26 0	4 46	16 20	16 4	17 55	11 4	0 18	
S 17	19 24	11 8	1 52	13 39	2 22	22 10	1 19	7 21	0 26	8 23	1 23	15 13	1 26	23 6	0 29	8 16	1 9	26 0	4 46	16 20	16 5	17 56	11 4	0 18	
M18	19 9	7 8	2 55	13 33	2 38	22 15	1 16	7 37	0 26	8 24	1 23	15 10	1 26	23 7	0 29	8 15	1 9	26 0	4 46	16 19	16 6	17 57	11 4	0 18	
T 19	18 54	2 44	3 51	13 30	2 53	22 19	1 13	7 52	0 27	8 25	1 23	15 8	1 26	23 7	0 29	8 14	1 9	26 1	4 46	16 19	16 7	17 58	11 4	0 18	
W20	18 39	1s52	4 35	13 31	3 6	22 23	1 10	8 8	0 28	8 26	1 23	15 6	1 26	23 7	0 29	8 13	1 9	26 1	4 47	16 19	16 8	18 0	11 5	0 18	
T 21	18 24	6 28	5 5	13 35	3 18	22 26	1 6	8 23	0 29	8 26	1 24	15 3	1 26	23 7	0 29	8 13	1 9	26 1	4 47	16 19	16 9	18 1	11 5	0 18	
F 22	18 8	10 48	5 17	13 43	3 28	22 28	1 3	8 38	0 30	8 27	1 24	15 1	1 26	23 8	0 29	8 12	1 9	26 1	4 47	16 19	16 10	18 2	11 5	0 19	
S 23	17 52	14 36	5 10	13 54	3 36	22 30	1 0	8 54	0 31	8 28	1 24	14 58	1 26	23 8	0 29	8 11	1 9	26 2	4 47	16 19	16 11	18 3	11 6	0 19	
S 24	17 35	17 35	4 44	14 8	3 41	22 31	0 57	9 9	0 32	8 28	1 24	14 56	1 26	23 8	0 29	8 10	1 9	26 2	4 47	16 19	16 12	18 4	11 6	0 19	
M25	17 18	19 29	4 0	14 24	3 44	22 31	0 54	9 24	0 32	8 28	1 25	14 54	1 26	23 8	0 29	8 9	1 9	26 2	4 47	16 19	16 13	18 5	11 7	0 19	
T 26	17 1	20 6	3 0	14 41	3 44	22 31	0 50	9 39	0 33	8 29	1 25	14 51	1 26	23 9	0 29	8 9	1 9	26 2	4 47	16 19	16 14	18 7	11 7	0 19	
W27	16 44	19 22	1 48	15 0	3 43	22 30	0 47	9 54	0 34	8 29	1 25	14 49	1 26	23 9	0 29	8 8	1 9	26 3	4 47	16 19	16 14	18 8	11 8	0 19	
T 28	16 26	17 21	0 30	15 19	3 39	22 28	0 44	10 9	0 35	8 29	1 25	14 46	1 26	23 9	0 29	8 7	1 9	26 3	4 47	16 19	16 15	18 9	11 8	0 19	
F 29	16 8	14 17	0s49	15 38	3 33	22 25	0 41	10 24	0 35	8 29	1 26	14 44	1 26	23 9	0 29	8 6	1 9	26 3	4 47	16 19	16 16	18 10	11 9	0 19	
S 30	15 50	10 27	2 4	15 57	3 26	22 22	0 37	10 38	0 36	8 29	1 26	14 42	1 26	23 10	0 29	8 5	1 9	26 4	4 47	16 19	16 17	18 11	11 9	0 19	
S 31	15s32	6s11	3s 9	16s16	3n17	22s19	0n34	10n53	0n37	8s29	1n26	14s39	1s26	23n10	0n29	8s 5	1s 9	26n 4	4n47	16n19	16n18	18n13	11n10	0s19	

Julian Day Number = 2158992.5, Delta T = 13m24s
Ecliptic obliquity = 23°32'28, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'17, Lahiri = 12°41'17 Julian Calendar 1 Jan. 1199 == Greg. Calendar 8 Jan. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

FEBRUARY 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 9 46	18♒55'36	4♈55	2°R54	14♉28	27♈17	25♎17	24♒57	15°R 4	12♓14	24°R13	15°R17	15♌17	14♊52	29♈51	M 1
T 2	9 13 43	19°56'04	17°45	2♒26	15°41	27°55	25°R18	25° 5	15♋ 2	12°16	24♋12	15♌17	15°14	14°59	29°53	T 2
W 3	9 17 39	20°56'31	0♉15	2° 5	16°54	28°34	25°18	25°12	15° 0	12°18	24°10	15°16	15°11	15° 6	29°55	W 3
T 4	9 21 36	21°56'55	12°28	1°51	18° 7	29°12	25°17	25°19	14°58	12°20	24° 9	15°16	15° 8	15°12	29°57	T 4
F 5	9 25 32	22°57'18	24°29	1°D45	19°20	29°51	25°17	25°27	14°56	12°23	24° 8	15°D16	15° 5	15°19	29°59	F 5
S 6	9 29 29	23°57'39	6♊23	1°45	20°34	0♉30	25°16	25°34	14°54	12°25	24° 7	15°16	15° 1	15°26	0♉ 1	S 6
S 7	9 33 26	24°57'57	18°14	1°52	21°47	1° 8	25°16	25°41	14°52	12°27	24° 6	15°17	14°58	15°32	0° 3	S 7
M 8	9 37 22	25°58'14	0♋ 7	2° 5	23° 0	1°47	25°15	25°49	14°50	12°29	24° 5	15°18	14°55	15°39	0° 5	M 8
T 9	9 41 19	26°58'29	12° 6	2°24	24°13	2°25	25°13	25°56	14°48	12°31	24° 4	15°19	14°52	15°46	0° 7	T 9
W10	9 45 15	27°58'42	24°15	2°48	25°27	3° 4	25°12	26° 3	14°47	12°34	24° 2	15°20	14°49	15°53	0°10	W10
T 11	9 49 12	28°58'52	6♌36	3°17	26°40	3°42	25°10	26°11	14°45	12°36	24° 1	15°21	14°46	15°59	0°12	T 11
F 12	9 53 8	29°59'01	19°12	3°51	27°53	4°21	25° 9	26°18	14°43	12°38	24° 0	15°R21	14°42	16° 6	0°14	F 12
S 13	9 57 5	0♓59'08	2♍ 4	4°30	29° 7	5° 0	25° 7	26°25	14°42	12°40	23°59	15°20	14°39	16°13	0°16	S 13
S 14	10 1 1	1°59'13	15°12	5°12	0♒20	5°38	25° 5	26°33	14°40	12°42	23°58	15°19	14°36	16°19	0°19	S 14
M15	10 4 58	2°59'16	28°35	5°58	1°33	6°17	25° 2	26°40	14°39	12°45	23°57	15°16	14°33	16°26	0°21	M15
T 16	10 8 55	3°59'17	12♎11	6°48	2°47	6°55	25° 0	26°47	14°37	12°47	23°56	15°14	14°30	16°33	0°24	T 16
W17	10 12 51	4°59'17	25°59	7°40	4° 0	7°34	24°57	26°55	14°36	12°49	23°55	15°11	14°26	16°39	0°26	W17
T 18	10 16 48	5°59'15	9♏56	8°36	5°14	8°12	24°55	27° 2	14°35	12°51	23°54	15° 9	14°23	16°46	0°29	T 18
F 19	10 20 44	6°59'11	24° 0	9°35	6°27	8°51	24°52	27° 9	14°33	12°54	23°53	15° 7	14°20	16°53	0°32	F 19
S 20	10 24 41	7°59'05	8♐ 9	10°37	7°40	9°30	24°48	27°17	14°32	12°56	23°52	15°D 7	14°17	17° 0	0°34	S 20
S 21	10 28 37	8°58'58	22°21	11°40	8°54	10° 8	24°45	27°24	14°31	12°58	23°51	15° 7	14°14	17° 6	0°37	S 21
M22	10 32 34	9°58'50	6♑33	12°47	10° 7	10°47	24°41	27°31	14°30	13° 0	23°50	15° 8	14°11	17°13	0°40	M22
T 23	10 36 30	10°58'39	20°44	13°55	11°21	11°25	24°38	27°38	14°29	13° 3	23°50	15°10	14° 7	17°20	0°43	T 23
W24	10 40 27	11°58'27	4♒52	15° 6	12°34	12° 4	24°34	27°46	14°27	13° 5	23°49	15°11	14° 4	17°26	0°46	W24
T 25	10 44 23	12°58'13	18°52	16°19	13°48	12°42	24°30	27°53	14°26	13° 7	23°48	15°R11	14° 1	17°33	0°48	T 25
F 26	10 48 20	13°57'57	2♓43	17°33	15° 1	13°21	24°26	28° 0	14°25	13°10	23°47	15°10	13°58	17°40	0°51	F 26
S 27	10 52 17	14°57'39	16°20	18°50	16°15	14° 0	24°21	28° 7	14°25	13°12	23°46	15° 8	13°55	17°46	0°54	S 27
S 28	10 56 13	15♓57'19	29♓42	20♒ 8	17♒28	14♉38	24♎17	28♒14	14♋24	13♓14	23♋46	15♌ 4	13♌51	17♊53	0♉57	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s13	1s44	4s 2	16s34	3n 7	22s14	0n31	11n 8	0n38	8s29	1n26	14s37	1s26	23n10	0n29	8s 4	1s 9	26n 4	4n47	16n19	16n19	18n14	11n10	0s19
T 2	14 54	2n39	4 41	16 51	2 56	22 9	0 28	11 22	0 38	8 29	1 26	14 34	1 26	23 10	0 29	8 3	1 9	26 4	4 47	16 19	16 20	18 15	11 11	0 19
W 3	14 35	6 49	5 6	17 7	2 44	22 4	0 24	11 37	0 39	8 29	1 27	14 32	1 26	23 11	0 29	8 2	1 9	26 4	4 47	16 20	16 21	18 16	11 11	0 19
T 4	14 15	10 37	5 17	17 22	2 32	21 57	0 21	11 51	0 40	8 29	1 27	14 29	1 26	23 11	0 29	8 1	1 9	26 5	4 47	16 20	16 22	18 17	11 12	0 19
F 5	13 55	13 55	5 13	17 36	2 19	21 51	0 18	12 6	0 40	8 28	1 27	14 27	1 26	23 11	0 29	8 0	1 9	26 5	4 47	16 20	16 23	18 18	11 13	0 19
S 6	13 35	16 36	4 56	17 48	2 6	21 43	0 15	12 20	0 41	8 28	1 27	14 24	1 26	23 11	0 29	8 0	1 9	26 5	4 47	16 20	16 24	18 20	11 13	0 19
S 7	13 15	18 36	4 26	17 59	1 54	21 35	0 12	12 34	0 42	8 27	1 28	14 22	1 27	23 11	0 29	7 59	1 9	26 5	4 47	16 19	16 25	18 21	11 14	0 20
M 8	12 55	19 47	3 45	18 9	1 41	21 26	0 9	12 48	0 42	8 27	1 28	14 20	1 27	23 12	0 29	7 58	1 9	26 6	4 47	16 19	16 26	18 22	11 15	0 20
T 9	12 34	20 6	2 54	18 17	1 28	21 16	0 5	13 2	0 43	8 26	1 28	14 17	1 27	23 12	0 29	7 57	1 9	26 6	4 47	16 19	16 27	18 23	11 15	0 20
W10	12 14	19 29	1 54	18 24	1 15	21 6	0 2	13 16	0 44	8 25	1 28	14 15	1 27	23 12	0 29	7 56	1 9	26 6	4 47	16 18	16 28	18 24	11 16	0 20
T 11	11 53	17 55	0 48	18 30	1 2	20 55	0s 1	13 30	0 44	8 25	1 28	14 12	1 27	23 12	0 29	7 55	1 9	26 6	4 47	16 18	16 29	18 25	11 17	0 20
F 12	11 32	15 28	0n21	18 34	0 50	20 44	0 4	13 44	0 45	8 24	1 29	14 10	1 27	23 12	0 29	7 55	1 9	26 6	4 47	16 18	16 29	18 26	11 18	0 20
S 13	11 10	12 12	1 31	18 36	0 38	20 32	0 7	13 57	0 45	8 23	1 29	14 7	1 27	23 12	0 29	7 54	1 9	26 7	4 47	16 18	16 30	18 28	11 18	0 20
S 14	10 49	8 17	2 38	18 38	0 26	20 19	0 10	14 11	0 46	8 22	1 29	14 5	1 27	23 13	0 29	7 53	1 9	26 7	4 47	16 19	16 31	18 29	11 19	0 20
M15	10 27	3 53	3 37	18 37	0 15	20 6	0 13	14 24	0 46	8 21	1 29	14 2	1 27	23 13	0 29	7 52	1 9	26 7	4 47	16 19	16 32	18 30	11 20	0 20
T 16	10 5	0s47	4 24	18 36	0 4	19 53	0 16	14 37	0 47	8 20	1 30	14 0	1 27	23 13	0 29	7 51	1 9	26 7	4 47	16 20	16 33	18 31	11 21	0 20
W17	9 43	5 27	4 58	18 32	0s 7	19 38	0 19	14 51	0 48	8 19	1 30	13 58	1 27	23 13	0 29	7 50	1 9	26 7	4 47	16 21	16 34	18 32	11 22	0 20
T 18	9 21	9 54	5 14	18 28	0 17	19 23	0 21	15 4	0 48	8 17	1 30	13 55	1 27	23 13	0 29	7 49	1 9	26 7	4 47	16 22	16 35	18 33	11 23	0 20
F 19	8 59	13 49	5 11	18 22	0 27	19 8	0 24	15 17	0 49	8 16	1 30	13 53	1 27	23 13	0 29	7 49	1 9	26 8	4 47	16 22	16 36	18 34	11 23	0 20
S 20	8 37	16 59	4 50	18 14	0 37	18 52	0 27	15 30	0 49	8 15	1 30	13 50	1 27	23 13	0 29	7 48	1 9	26 8	4 47	16 22	16 37	18 35	11 24	0 20
S 21	8 14	19 9	4 11	18 6	0 46	18 35	0 30	15 42	0 50	8 13	1 31	13 48	1 28	23 13	0 29	7 47	1 9	26 8	4 47	16 22	16 38	18 36	11 25	0 20
M22	7 52	20 6	3 17	17 55	0 55	18 18	0 32	15 55	0 50	8 12	1 31	13 45	1 28	23 14	0 29	7 46	1 9	26 8	4 47	16 22	16 39	18 38	11 26	0 20
T 23	7 29	19 47	2 10	17 43	1 3	18 1	0 35	16 8	0 51	8 10	1 31	13 43	1 28	23 14	0 29	7 45	1 9	26 8	4 47	16 21	16 40	18 39	11 27	0 20
W24	7 6	18 13	0 56	17 30	1 11	17 42	0 38	16 20	0 51	8 9	1 31	13 40	1 28	23 14	0 29	7 44	1 9	26 8	4 47	16 21	16 41	18 40	11 28	0 21
T 25	6 43	15 33	0s20	17 16	1 18	17 24	0 40	16 32	0 52	8 7	1 31	13 38	1 28	23 14	0 29	7 43	1 9	26 8	4 47	16 21	16 42	18 41	11 29	0 21
F 26	6 20	12 1	1 35	17 0	1 26	17 5	0 43	16 45	0 52	8 5	1 31	13 36	1 28	23 14	0 29	7 42	1 9	26 9	4 47	16 21	16 42	18 42	11 30	0 21
S 27	5 57	7 54	2 42	16 42	1 32	16 45	0 45	16 57	0 53	8 4	1 32	13 33	1 28	23 14	0 29	7 42	1 9	26 9	4 47	16 22	16 43	18 43	11 31	0 21
S 28	5s34	3s29	3s40	16s24	1s39	16s25	0s48	17n 9	0n53	8s 2	1n32	13s31	1s28	23n14	0n29	7s41	1s 9	26n 9	4n47	16n23	16n44	18n44	11n32	0s21

Julian Day Number = 2159023.5, Delta T = 13m24s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'21, Lahiri = 12°41'22 Julian Calendar 1 Feb. 1199 == Greg. Calendar 8 Feb. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

MARCH 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 0 10	16♓56'57	12♈46	21♒28	18♒42	15♉17	24°R12	28♒21	14°R23	13♓16	23°R45	14°R58	13♌48	18♊ 0	1♉ 0	M 1
T 2	11 4 6	17°56'32	25°33	22°49	19°55	15°55	24♎ 7	28°29	14♋22	13°19	23♋44	14♌53	13°45	18° 7	1° 4	T 2
W 3	11 8 3	18°56'06	8♉ 2	24°13	21° 9	16°34	24° 2	28°36	14°21	13°21	23°43	14°47	13°42	18°13	1° 7	W 3
T 4	11 11 59	19°55'37	20°17	25°37	22°22	17°12	23°57	28°43	14°21	13°23	23°43	14°42	13°39	18°20	1°10	T 4
F 5	11 15 56	20°55'06	2♊19	27° 4	23°36	17°51	23°52	28°50	14°20	13°25	23°42	14°39	13°36	18°27	1°13	F 5
S 6	11 19 52	21°54'32	14°14	28°31	24°49	18°29	23°46	28°57	14°19	13°28	23°41	14°37	13°32	18°33	1°16	S 6
S 7	11 23 49	22°53'57	26° 5	0♓ 0	26° 3	19° 8	23°41	29° 4	14°19	13°30	23°41	14°D37	13°29	18°40	1°20	S 7
M 8	11 27 46	23°53'19	7♋57	1°31	27°16	19°46	23°35	29°11	14°19	13°32	23°40	14°38	13°26	18°47	1°23	M 8
T 9	11 31 42	24°52'38	19°57	3° 3	28°30	20°25	23°29	29°17	14°18	13°34	23°40	14°39	13°23	18°53	1°26	T 9
W10	11 35 39	25°51'55	2♌ 8	4°37	29°44	21° 3	23°23	29°24	14°18	13°37	23°39	14°41	13°20	19° 0	1°30	W10
T 11	11 39 35	26°51'10	14°34	6°11	0♓57	21°42	23°17	29°31	14°17	13°39	23°39	14°R42	13°17	19° 7	1°33	T 11
F 12	11 43 32	27°50'23	27°20	7°48	2°11	22°20	23°11	29°38	14°17	13°41	23°38	14°41	13°13	19°14	1°36	F 12
S 13	11 47 28	28°49'33	10♍27	9°25	3°24	22°59	23° 5	29°45	14°17	13°43	23°38	14°38	13°10	19°20	1°40	S 13
S 14	11 51 25	29°48'41	23°56	11° 5	4°38	23°37	22°58	29°51	14°17	13°46	23°37	14°33	13° 7	19°27	1°43	S 14
M15	11 55 21	0♈47'47	7♎44	12°45	5°51	24°16	22°52	29°58	14°17	13°48	23°37	14°27	13° 4	19°34	1°47	M15
T 16	11 59 18	1°46'51	21°49	14°27	7° 5	24°54	22°45	0♓ 5	14°D17	13°50	23°36	14°19	13° 1	19°40	1°50	T 16
W17	12 3 15	2°45'53	6♏ 5	16°11	8°18	25°32	22°38	0°11	14°17	13°52	23°36	14°11	12°57	19°47	1°54	W17
T 18	12 7 11	3°44'53	20°27	17°55	9°32	26°11	22°31	0°18	14°17	13°54	23°36	14° 4	12°54	19°54	1°57	T 18
F 19	12 11 8	4°43'52	4♐50	19°42	10°45	26°49	22°25	0°24	14°17	13°56	23°35	13°59	12°51	20° 0	2° 1	F 19
S 20	12 15 4	5°42'48	19°10	21°29	11°59	27°28	22°18	0°31	14°17	13°59	23°35	13°56	12°48	20° 7	2° 5	S 20
S 21	12 19 1	6°41'43	3♑22	23°19	13°12	28° 6	22°10	0°37	14°17	14° 1	23°35	13°D54	12°45	20°14	2° 8	S 21
M22	12 22 57	7°40'36	17°26	25° 9	14°26	28°44	22° 3	0°44	14°18	14° 3	23°35	13°55	12°42	20°20	2°12	M22
T 23	12 26 54	8°39'28	1♒21	27° 2	15°40	29°23	21°56	0°50	14°18	14° 5	23°34	13°56	12°38	20°27	2°16	T 23
W24	12 30 50	9°38'17	15° 5	28°55	16°53	0♊ 1	21°49	0°56	14°19	14° 7	23°34	13°R56	12°35	20°34	2°19	W24
T 25	12 34 47	10°37'05	28°40	0♈50	18° 7	0°39	21°41	1° 3	14°19	14° 9	23°34	13°55	12°32	20°41	2°23	T 25
F 26	12 38 43	11°35'51	12♓ 4	2°47	19°20	1°18	21°34	1° 9	14°20	14°11	23°34	13°52	12°29	20°47	2°27	F 26
S 27	12 42 40	12°34'35	25°18	4°45	20°34	1°56	21°27	1°15	14°20	14°13	23°34	13°46	12°26	20°54	2°31	S 27
S 28	12 46 37	13°33'17	8♈20	6°45	21°47	2°34	21°19	1°21	14°21	14°15	23°34	13°38	12°22	21° 1	2°34	S 28
M29	12 50 33	14°31'57	21° 8	8°46	23° 1	3°13	21°11	1°27	14°21	14°17	23°34	13°27	12°19	21° 7	2°38	M29
T 30	12 54 30	15°30'35	3♉44	10°48	24°15	3°51	21° 4	1°33	14°22	14°19	23°D34	13°16	12°16	21°14	2°42	T 30
W31	12 58 26	16♈29'12	16♉ 6	12♈52	25♓28	4♊29	20♎56	1♓39	14♋23	14♓21	23♋34	13♌ 5	12♌13	21♊21	2♉46	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s11	1n 1	4s24	16s 3	1s44	16s 5	0s50	17n20	0n54	8s 0	1n32	13s28	1s28	23n14	0n29	7s40	1s 9	26n 9	4n47	16n25	16n45	18n45	11n33	0s21
T 2	4 47	5 21	4 54	15 42	1 50	15 44	0 52	17 32	0 54	7 58	1 32	13 26	1 28	23 14	0 29	7 39	1 9	26 9	4 47	16 26	16 46	18 46	11 34	0 21
W 3	4 24	9 22	5 9	15 19	1 55	15 22	0 54	17 44	0 55	7 56	1 32	13 24	1 28	23 14	0 29	7 38	1 9	26 9	4 47	16 28	16 47	18 47	11 35	0 21
T 4	4 0	12 55	5 10	14 54	1 59	15 0	0 57	17 55	0 55	7 54	1 32	13 21	1 29	23 14	0 29	7 37	1 9	26 9	4 47	16 29	16 48	18 48	11 36	0 21
F 5	3 37	15 52	4 57	14 29	2 4	14 38	0 59	18 7	0 55	7 52	1 33	13 19	1 29	23 14	0 29	7 36	1 9	26 9	4 47	16 30	16 49	18 50	11 37	0 21
S 6	3 13	18 7	4 31	14 2	2 7	14 15	1 1	18 18	0 56	7 50	1 33	13 17	1 29	23 15	0 29	7 35	1 9	26 9	4 46	16 31	16 50	18 51	11 38	0 21
S 7	2 50	19 35	3 54	13 33	2 11	13 52	1 3	18 29	0 56	7 48	1 33	13 14	1 29	23 15	0 29	7 35	1 9	26 9	4 46	16 31	16 51	18 52	11 39	0 21
M 8	2 26	20 12	3 6	13 3	2 13	13 29	1 5	18 40	0 57	7 45	1 33	13 12	1 29	23 15	0 29	7 34	1 9	26 9	4 46	16 31	16 52	18 53	11 40	0 21
T 9	2 3	19 54	2 10	12 32	2 16	13 5	1 7	18 51	0 57	7 43	1 33	13 10	1 29	23 15	0 29	7 33	1 9	26 9	4 46	16 30	16 53	18 54	11 41	0 21
W10	1 39	18 40	1 8	12 0	2 18	12 41	1 8	19 1	0 57	7 41	1 33	13 7	1 29	23 15	0 29	7 32	1 9	26 10	4 46	16 30	16 53	18 55	11 42	0 21
T 11	1 15	16 31	0 1	11 26	2 19	12 17	1 10	19 12	0 58	7 38	1 33	13 5	1 29	23 15	0 29	7 31	1 9	26 10	4 46	16 30	16 54	18 56	11 44	0 21
F 12	0 52	13 31	1n 8	10 51	2 20	11 52	1 12	19 22	0 58	7 36	1 33	13 3	1 29	23 15	0 29	7 30	1 9	26 10	4 46	16 30	16 55	18 57	11 45	0 22
S 13	0 28	9 45	2 15	10 14	2 21	11 27	1 14	19 32	0 59	7 34	1 34	13 0	1 30	23 15	0 29	7 30	1 9	26 10	4 46	16 31	16 56	18 58	11 46	0 22
S 14	0 5	5 25	3 16	9 36	2 21	11 1	1 15	19 43	0 59	7 31	1 34	12 58	1 30	23 15	0 28	7 29	1 9	26 10	4 46	16 32	16 57	18 59	11 47	0 22
M15	0n19	0 42	4 7	8 57	2 20	10 35	1 17	19 52	0 59	7 29	1 34	12 56	1 30	23 15	0 28	7 28	1 9	26 10	4 46	16 34	16 58	19 0	11 48	0 22
T 16	0 43	4s 8	4 44	8 17	2 19	10 9	1 18	20 2	1 0	7 26	1 34	12 54	1 30	23 15	0 28	7 27	1 9	26 10	4 46	16 36	16 59	19 1	11 49	0 22
W17	1 6	8 49	5 4	7 35	2 18	9 43	1 19	20 12	1 0	7 23	1 34	12 51	1 30	23 15	0 28	7 26	1 9	26 10	4 46	16 39	17 0	19 2	11 51	0 22
T 18	1 30	13 2	5 5	6 52	2 16	9 17	1 21	20 21	1 0	7 21	1 34	12 49	1 30	23 15	0 28	7 25	1 9	26 10	4 46	16 41	17 1	19 3	11 52	0 22
F 19	1 53	16 29	4 47	6 8	2 13	8 50	1 22	20 31	1 1	7 18	1 34	12 47	1 30	23 15	0 28	7 25	1 9	26 10	4 46	16 42	17 2	19 4	11 53	0 22
S 20	2 17	18 55	4 11	5 23	2 10	8 23	1 23	20 40	1 1	7 15	1 34	12 45	1 31	23 15	0 28	7 24	1 9	26 10	4 46	16 43	17 3	19 5	11 54	0 22
S 21	2 40	20 10	3 20	4 36	2 7	7 55	1 24	20 49	1 1	7 13	1 34	12 43	1 31	23 14	0 28	7 23	1 9	26 10	4 46	16 43	17 3	19 6	11 55	0 22
M22	3 4	20 8	2 17	3 49	2 3	7 28	1 25	20 58	1 2	7 10	1 34	12 41	1 31	23 14	0 28	7 22	1 9	26 10	4 46	16 43	17 4	19 7	11 56	0 22
T 23	3 27	18 51	1 7	3 0	1 58	7 0	1 26	21 7	1 2	7 7	1 34	12 38	1 31	23 14	0 28	7 21	1 9	26 10	4 46	16 43	17 5	19 8	11 58	0 22
W24	3 50	16 29	0s 6	2 10	1 53	6 32	1 27	21 15	1 2	7 5	1 34	12 36	1 31	23 14	0 28	7 21	1 9	26 10	4 46	16 43	17 6	19 9	11 59	0 22
T 25	4 13	13 13	1 18	1 19	1 48	6 4	1 28	21 24	1 3	7 2	1 34	12 34	1 31	23 14	0 28	7 20	1 10	26 10	4 46	16 43	17 7	19 10	12 0	0 22
F 26	4 36	9 17	2 25	0 26	1 42	5 36	1 29	21 32	1 3	6 59	1 34	12 32	1 31	23 14	0 28	7 19	1 10	26 10	4 46	16 44	17 8	19 11	12 1	0 22
S 27	4 59	4 58	3 22	0n27	1 35	5 7	1 29	21 40	1 3	6 56	1 34	12 30	1 32	23 14	0 28	7 18	1 10	26 10	4 45	16 46	17 9	19 12	12 3	0 23
S 28	5 22	0 29	4 8	1 21	1 28	4 39	1 30	21 48	1 3	6 53	1 34	12 28	1 32	23 14	0 28	7 17	1 10	26 10	4 45	16 48	17 10	19 13	12 4	0 23
M29	5 45	3n56	4 41	2 15	1 21	4 10	1 31	21 56	1 4	6 50	1 34	12 26	1 32	23 14	0 28	7 17	1 10	26 10	4 45	16 51	17 11	19 14	12 5	0 23
T 30	6 8	8 7	4 59	3 11	1 12	3 41	1 31	22 3	1 4	6 48	1 34	12 24	1 32	23 14	0 28	7 16	1 10	26 10	4 45	16 55	17 11	19 15	12 6	0 23
W31	6n30	11n54	5s 3	4n 7	1s 4	3s12	1s32	22n11	1n 4	6s45	1n34	12s22	1s32	23n14	0n28	7s15	1s10	26n 9	4n45	16n58	17n12	19n16	12n 8	0s23

Julian Day Number = 2159051.5, Delta T = 13m23s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'25, Lahiri = 12°41'26 Julian Calendar 1 March 1199 == Greg. Calendar 8 March 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

APRIL 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 23	17♈27'46	28♉17	14♈56	26♓42	5♊ 8	20°R49	1♓45	14♋24	14♓23	23♋34	12°R54	12♌10	21♊27	2♉50	T 1
F 2	13 6 19	18°26'18	10♊17	17° 2	27°55	5°46	20♎41	1°51	14°25	14°25	23°34	12♌46	12° 7	21°34	2°54	F 2
S 3	13 10 16	19°24'47	22°10	19° 9	29° 9	6°24	20°33	1°57	14°26	14°27	23°34	12°40	12° 3	21°41	2°58	S 3
S 4	13 14 12	20°23'15	3♋59	21°16	0♈22	7° 2	20°26	2° 2	14°27	14°29	23°34	12°37	12° 0	21°47	3° 1	S 4
M 5	13 18 9	21°21'41	15°50	23°24	1°36	7°41	20°18	2° 8	14°28	14°31	23°34	12°35	11°57	21°54	3° 5	M 5
T 6	13 22 6	22°20'04	27°48	25°32	2°49	8°19	20°10	2°14	14°29	14°33	23°34	12°D35	11°54	22° 1	3° 9	T 6
W 7	13 26 2	23°18'25	9♌58	27°41	4° 3	8°57	20° 3	2°19	14°30	14°35	23°35	12°R35	11°51	22° 8	3°13	W 7
T 8	13 29 59	24°16'44	22°25	29°49	5°16	9°35	19°55	2°25	14°31	14°37	23°35	12°35	11°48	22°14	3°17	T 8
F 9	13 33 55	25°15'01	5♍14	1♉57	6°30	10°13	19°47	2°30	14°32	14°39	23°35	12°33	11°44	22°21	3°21	F 9
S 10	13 37 52	26°13'16	18°28	4° 4	7°43	10°52	19°40	2°36	14°34	14°41	23°35	12°29	11°41	22°28	3°25	S 10
S 11	13 41 48	27°11'29	2♎ 9	6°10	8°57	11°30	19°32	2°41	14°35	14°42	23°36	12°22	11°38	22°34	3°29	S 11
M12	13 45 45	28° 9'40	16°15	8°14	10°10	12° 8	19°25	2°46	14°36	14°44	23°36	12°13	11°35	22°41	3°33	M12
T 13	13 49 41	29° 7'49	0♏42	10°17	11°24	12°46	19°17	2°51	14°38	14°46	23°36	12° 2	11°32	22°48	3°37	T 13
W14	13 53 38	0♉ 5'56	15°24	12°18	12°37	13°24	19°10	2°56	14°39	14°48	23°37	11°51	11°28	22°54	3°41	W14
T 15	13 57 35	1° 4'02	0♐13	14°17	13°51	14° 2	19° 2	3° 1	14°41	14°49	23°37	11°41	11°25	23° 1	3°45	T 15
F 16	14 1 31	2° 2'06	15° 0	16°13	15° 4	14°40	18°55	3° 6	14°42	14°51	23°37	11°32	11°22	23° 8	3°49	F 16
S 17	14 5 28	3° 0'09	29°39	18° 7	16°18	15°19	18°48	3°11	14°44	14°53	23°38	11°27	11°19	23°14	3°53	S 17
S 18	14 9 24	3°58'10	14♑ 4	19°57	17°31	15°57	18°40	3°16	14°46	14°54	23°38	11°24	11°16	23°21	3°57	S 18
M19	14 13 21	4°56'10	28°12	21°45	18°45	16°35	18°33	3°21	14°47	14°56	23°39	11°23	11°13	23°28	4° 1	M19
T 20	14 17 17	5°54'09	12♒ 2	23°29	19°59	17°13	18°26	3°25	14°49	14°58	23°39	11°23	11° 9	23°35	4° 5	T 20
W21	14 21 14	6°52'06	25°36	25°10	21°12	17°51	18°19	3°30	14°51	14°59	23°40	11°22	11° 6	23°41	4° 9	W21
T 22	14 25 10	7°50'02	8♓55	26°48	22°26	18°29	18°12	3°34	14°53	15° 1	23°40	11°20	11° 3	23°48	4°13	T 22
F 23	14 29 7	8°47'57	22° 0	28°22	23°39	19° 7	18° 6	3°39	14°55	15° 2	23°41	11°16	11° 0	23°55	4°17	F 23
S 24	14 33 4	9°45'50	4♈53	29°53	24°53	19°45	17°59	3°43	14°57	15° 4	23°42	11° 9	10°57	24° 1	4°21	S 24
S 25	14 37 0	10°43'42	17°35	1♊20	26° 6	20°23	17°52	3°48	14°59	15° 5	23°42	10°59	10°54	24° 8	4°25	S 25
M26	14 40 57	11°41'32	0♉ 6	2°43	27°20	21° 1	17°46	3°52	15° 1	15° 7	23°43	10°46	10°50	24°15	4°29	M26
T 27	14 44 53	12°39'21	12°27	4° 2	28°33	21°39	17°39	3°56	15° 3	15° 8	23°44	10°33	10°47	24°21	4°32	T 27
W28	14 48 50	13°37'09	24°38	5°18	29°47	22°17	17°33	4° 0	15° 5	15° 9	23°44	10°19	10°44	24°28	4°36	W28
T 29	14 52 46	14°34'55	6♊41	6°29	1♉ 0	22°55	17°27	4° 4	15° 7	15°11	23°45	10° 6	10°41	24°35	4°40	T 29
F 30	14 56 43	15♉32'40	18♊36	7♊37	2♉14	23♊33	17♎21	4♓ 8	15♋ 9	15♓12	23♋46	9♌56	10♌38	24♊41	4♉44	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n53	15n 6	4s53	5n 4	0s55	2s43	1s32	22n18	1n 5	6s42	1n34	12s20	1s32	23n14	0n28	7s14	1s10	26n 9	4n45	17n 1	17n13	19n17	12n 9	0s23
F 2	7 15	17 38	4 29	6 1	0 46	2 14	1 32	22 25	1 5	6 39	1 34	12 18	1 33	23 14	0 28	7 14	1 10	26 9	4 45	17 3	17 14	19 18	12 10	0 23
S 3	7 38	19 24	3 55	6 58	0 36	1 45	1 32	22 32	1 5	6 36	1 34	12 16	1 33	23 13	0 28	7 13	1 10	26 9	4 45	17 5	17 15	19 19	12 11	0 23
S 4	8 0	20 19	3 10	7 56	0 26	1 16	1 32	22 39	1 5	6 33	1 34	12 14	1 33	23 13	0 28	7 12	1 10	26 9	4 45	17 6	17 16	19 20	12 13	0 23
M 5	8 22	20 19	2 17	8 53	0 16	0 47	1 33	22 46	1 6	6 30	1 34	12 12	1 33	23 13	0 28	7 12	1 10	26 9	4 45	17 6	17 17	19 21	12 14	0 23
T 6	8 44	19 25	1 18	9 50	0 5	0 17	1 33	22 52	1 6	6 28	1 34	12 10	1 33	23 13	0 28	7 11	1 10	26 9	4 45	17 6	17 18	19 22	12 15	0 23
W 7	9 6	17 36	0 14	10 47	0n 5	0n12	1 32	22 58	1 6	6 25	1 34	12 9	1 33	23 13	0 28	7 10	1 10	26 9	4 45	17 6	17 19	19 23	12 16	0 23
T 8	9 27	14 55	0n52	11 42	0 16	0 42	1 32	23 4	1 6	6 22	1 34	12 7	1 34	23 13	0 28	7 9	1 10	26 9	4 45	17 6	17 19	19 24	12 18	0 23
F 9	9 49	11 27	1 57	12 37	0 27	1 11	1 32	23 10	1 6	6 19	1 34	12 5	1 34	23 13	0 28	7 9	1 10	26 9	4 45	17 7	17 20	19 25	12 19	0 23
S 10	10 10	7 18	2 58	13 31	0 38	1 40	1 32	23 16	1 7	6 16	1 34	12 3	1 34	23 12	0 28	7 8	1 10	26 9	4 45	17 8	17 21	19 26	12 20	0 24
S 11	10 31	2 40	3 51	14 24	0 48	2 10	1 31	23 22	1 7	6 14	1 34	12 2	1 34	23 12	0 28	7 7	1 10	26 9	4 45	17 10	17 22	19 27	12 22	0 24
M12	10 52	2s15	4 31	15 14	0 59	2 39	1 31	23 27	1 7	6 11	1 34	12 0	1 34	23 12	0 28	7 7	1 10	26 8	4 45	17 12	17 23	19 28	12 23	0 24
T 13	11 13	7 9	4 55	16 4	1 9	3 8	1 31	23 32	1 7	6 8	1 34	11 58	1 34	23 12	0 28	7 6	1 10	26 8	4 45	17 15	17 24	19 29	12 24	0 24
W14	11 33	11 44	5 0	16 51	1 19	3 38	1 30	23 37	1 7	6 5	1 34	11 56	1 35	23 12	0 28	7 5	1 10	26 8	4 44	17 19	17 25	19 30	12 25	0 24
T 15	11 54	15 38	4 46	17 36	1 28	4 7	1 29	23 42	1 8	6 3	1 34	11 55	1 35	23 12	0 28	7 5	1 10	26 8	4 44	17 21	17 26	19 31	12 27	0 24
F 16	12 14	18 31	4 12	18 19	1 37	4 36	1 29	23 47	1 8	6 0	1 34	11 53	1 35	23 11	0 28	7 4	1 10	26 8	4 44	17 24	17 27	19 31	12 28	0 24
S 17	12 34	20 11	3 22	18 59	1 45	5 5	1 28	23 51	1 8	5 57	1 33	11 52	1 35	23 11	0 28	7 4	1 10	26 8	4 44	17 25	17 27	19 32	12 29	0 24
S 18	12 54	20 29	2 19	19 37	1 53	5 34	1 27	23 56	1 8	5 55	1 33	11 50	1 35	23 11	0 28	7 3	1 10	26 8	4 44	17 26	17 28	19 33	12 31	0 24
M19	13 13	19 29	1 9	20 13	2 0	6 3	1 26	24 0	1 8	5 52	1 33	11 48	1 36	23 11	0 28	7 2	1 10	26 8	4 44	17 26	17 29	19 34	12 32	0 24
T 20	13 33	17 19	0s 3	20 46	2 7	6 31	1 25	24 4	1 9	5 49	1 33	11 47	1 36	23 11	0 28	7 2	1 10	26 7	4 44	17 26	17 30	19 35	12 33	0 24
W21	13 52	14 13	1 14	21 17	2 12	7 0	1 24	24 7	1 9	5 47	1 33	11 45	1 36	23 10	0 28	7 1	1 10	26 7	4 44	17 26	17 31	19 36	12 34	0 24
T 22	14 11	10 25	2 20	21 45	2 17	7 28	1 23	24 11	1 9	5 44	1 33	11 44	1 36	23 10	0 28	7 1	1 10	26 7	4 44	17 27	17 32	19 37	12 36	0 24
F 23	14 30	6 12	3 17	22 10	2 21	7 57	1 22	24 14	1 9	5 42	1 33	11 43	1 36	23 10	0 28	7 0	1 10	26 7	4 44	17 28	17 33	19 38	12 37	0 25
S 24	14 48	1 46	4 3	22 34	2 24	8 25	1 21	24 18	1 9	5 40	1 32	11 41	1 37	23 10	0 28	7 0	1 11	26 7	4 44	17 30	17 34	19 39	12 38	0 25
S 25	15 6	2n41	4 36	22 54	2 27	8 53	1 20	24 21	1 9	5 37	1 32	11 40	1 37	23 9	0 28	6 59	1 11	26 7	4 44	17 33	17 34	19 40	12 39	0 25
M26	15 24	6 57	4 55	23 13	2 28	9 21	1 19	24 23	1 9	5 35	1 32	11 38	1 37	23 9	0 28	6 58	1 11	26 6	4 44	17 36	17 35	19 41	12 41	0 25
T 27	15 42	10 53	5 0	23 29	2 29	9 48	1 17	24 26	1 10	5 33	1 32	11 37	1 37	23 9	0 28	6 58	1 11	26 6	4 44	17 40	17 36	19 41	12 42	0 25
W28	16 0	14 19	4 51	23 43	2 29	10 15	1 16	24 29	1 10	5 30	1 32	11 36	1 37	23 9	0 28	6 57	1 11	26 6	4 44	17 44	17 37	19 42	12 43	0 25
T 29	16 17	17 6	4 29	23 54	2 27	10 42	1 15	24 31	1 10	5 28	1 32	11 35	1 38	23 8	0 28	6 57	1 11	26 6	4 44	17 47	17 38	19 43	12 44	0 25
F 30	16n34	19n 9	3s55	24n 4	2n25	11n 9	1s13	24n33	1n10	5s26	1n31	11s33	1s38	23n 8	0n28	6s56	1s11	26n 6	4n44	17n50	17n39	19n44	12n46	0s25

Julian Day Number = 2159082.5, Delta T = 13m23s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'29, Lahiri = 12°41'30 Julian Calendar 1 Apr. 1199 == Greg. Calendar 8 Apr. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

MAY 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 0 39	16♉30'23	0♋27	8♊41	3♉27	24♊11	17°R15	4♓12	15♋12	15♓14	23♋47	9°R48	10♌34	24♊48	4♉48	S 1
S 2	15 4 36	17°28'04	12°15	9°40	4°41	24°49	17♎ 9	4°15	15°14	15°15	23°47	9♌43	10°31	24°55	4°52	S 2
M 3	15 8 33	18°25'44	24° 5	10°36	5°54	25°27	17° 3	4°19	15°16	15°16	23°48	9°40	10°28	25° 1	4°56	M 3
T 4	15 12 29	19°23'23	6♌ 1	11°27	7° 8	26° 5	16°58	4°23	15°19	15°17	23°49	9°D40	10°25	25° 8	5° 0	T 4
W 5	15 16 26	20°21'00	18° 9	12°14	8°21	26°43	16°52	4°26	15°21	15°19	23°50	9°R40	10°22	25°15	5° 4	W 5
T 6	15 20 22	21°18'35	0♍34	12°56	9°35	27°21	16°47	4°29	15°24	15°20	23°51	9°39	10°19	25°21	5° 8	T 6
F 7	15 24 19	22°16'09	13°21	13°34	10°48	27°59	16°42	4°33	15°26	15°21	23°52	9°38	10°15	25°28	5°12	F 7
S 8	15 28 15	23°13'41	26°34	14° 8	12° 2	28°37	16°37	4°36	15°29	15°22	23°53	9°34	10°12	25°35	5°15	S 8
S 9	15 32 12	24°11'12	10♎16	14°37	13°15	29°15	16°32	4°39	15°31	15°23	23°54	9°28	10° 9	25°42	5°19	S 9
M10	15 36 8	25° 8'42	24°27	15° 2	14°29	29°53	16°27	4°42	15°34	15°24	23°55	9°20	10° 6	25°48	5°23	M10
T 11	15 40 5	26° 6'10	9♏ 5	15°22	15°42	0♋31	16°23	4°45	15°36	15°25	23°56	9°10	10° 3	25°55	5°27	T 11
W12	15 44 1	27° 3'37	24° 2	15°37	16°56	1° 9	16°18	4°48	15°39	15°26	23°57	8°59	9°59	26° 2	5°31	W12
T 13	15 47 58	28° 1'03	9♐ 9	15°47	18° 9	1°47	16°14	4°51	15°42	15°27	23°58	8°50	9°56	26° 8	5°34	T 13
F 14	15 51 55	28°58'29	24°17	15°53	19°23	2°25	16°10	4°53	15°45	15°28	23°59	8°42	9°53	26°15	5°38	F 14
S 15	15 55 51	29°55'53	9♑15	15°R54	20°36	3° 2	16° 6	4°56	15°47	15°29	24° 0	8°37	9°50	26°22	5°42	S 15
S 16	15 59 48	0♊53'17	23°57	15°51	21°50	3°40	16° 2	4°58	15°50	15°30	24° 1	8°34	9°47	26°28	5°46	S 16
M17	16 3 44	1°50'39	8♒17	15°44	23° 3	4°18	15°59	5° 1	15°53	15°31	24° 2	8°D33	9°44	26°35	5°49	M17
T 18	16 7 41	2°48'02	22°15	15°32	24°17	4°56	15°55	5° 3	15°56	15°32	24° 3	8°34	9°40	26°42	5°53	T 18
W19	16 11 37	3°45'23	5♓49	15°16	25°30	5°34	15°52	5° 5	15°59	15°32	24° 5	8°R34	9°37	26°48	5°57	W19
T 20	16 15 34	4°42'44	19° 3	14°56	26°44	6°12	15°49	5° 7	16° 2	15°33	24° 6	8°33	9°34	26°55	6° 0	T 20
F 21	16 19 31	5°40'04	1♈58	14°33	27°58	6°50	15°46	5° 9	16° 5	15°34	24° 7	8°30	9°31	27° 2	6° 4	F 21
S 22	16 23 27	6°37'24	14°38	14° 7	29°11	7°28	15°43	5°11	16° 8	15°35	24° 8	8°25	9°28	27° 8	6° 7	S 22
S 23	16 27 24	7°34'44	27° 6	13°39	0♊25	8° 5	15°41	5°13	16°11	15°35	24°10	8°17	9°25	27°15	6°11	S 23
M24	16 31 20	8°32'02	9♉23	13° 8	1°38	8°43	15°39	5°15	16°14	15°36	24°11	8° 7	9°21	27°22	6°14	M24
T 25	16 35 17	9°29'21	21°31	12°36	2°52	9°21	15°36	5°16	16°17	15°36	24°12	7°57	9°18	27°28	6°18	T 25
W26	16 39 13	10°26'38	3♊32	12° 3	4° 5	9°59	15°34	5°18	16°20	15°37	24°13	7°46	9°15	27°35	6°21	W26
T 27	16 43 10	11°23'55	15°28	11°29	5°19	10°37	15°32	5°19	16°23	15°38	24°15	7°36	9°12	27°42	6°25	T 27
F 28	16 47 6	12°21'12	27°18	10°55	6°33	11°15	15°31	5°21	16°26	15°38	24°16	7°28	9° 9	27°48	6°28	F 28
S 29	16 51 3	13°18'28	9♋ 7	10°22	7°46	11°53	15°29	5°22	16°29	15°39	24°17	7°22	9° 5	27°55	6°32	S 29
S 30	16 55 0	14°15'43	20°55	9°50	9° 0	12°30	15°28	5°23	16°33	15°39	24°19	7°18	9° 2	28° 2	6°35	S 30
M31	16 58 56	15♊12'57	2♌46	9♊20	10♊13	13♋ 8	15♎27	5♓24	16♋36	15♓39	24♋20	7°D16	8♌59	28♊ 9	6♉38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n51	20n21	3s12	24n11	2n22	11n36	1s12	24n35	1n10	5s24	1n31	11s32	1s38	23n 8	0n28	6s56	1s11	26n 6	4n44	17n52	17n40	19n45	12n47	0s25
S 2	17 7	20 39	2 20	24 17	2 19	12 2	1 10	24 37	1 10	5 22	1 31	11 31	1 38	23 8	0 28	6 56	1 11	26 5	4 44	17 54	17 41	19 46	12 48	0 25
M 3	17 23	20 3	1 22	24 20	2 14	12 28	1 8	24 38	1 10	5 20	1 31	11 30	1 39	23 7	0 28	6 55	1 11	26 5	4 44	17 54	17 41	19 47	12 49	0 25
T 4	17 39	18 32	0 19	24 22	2 8	12 54	1 7	24 39	1 10	5 18	1 31	11 29	1 39	23 7	0 28	6 55	1 11	26 5	4 43	17 54	17 42	19 48	12 51	0 25
W 5	17 55	16 10	0n45	24 21	2 1	13 19	1 5	24 41	1 11	5 16	1 30	11 28	1 39	23 7	0 28	6 54	1 11	26 5	4 43	17 54	17 43	19 48	12 52	0 25
T 6	18 10	13 1	1 49	24 19	1 54	13 45	1 3	24 42	1 11	5 14	1 30	11 27	1 39	23 6	0 28	6 54	1 11	26 5	4 43	17 55	17 44	19 49	12 53	0 26
F 7	18 25	9 10	2 49	24 16	1 45	14 9	1 1	24 42	1 11	5 12	1 30	11 26	1 39	23 6	0 28	6 53	1 11	26 4	4 43	17 55	17 45	19 50	12 54	0 26
S 8	18 40	4 45	3 42	24 10	1 35	14 34	1 0	24 43	1 11	5 11	1 30	11 25	1 40	23 6	0 28	6 53	1 11	26 4	4 43	17 56	17 46	19 51	12 56	0 26
S 9	18 54	0s 2	4 24	24 3	1 25	14 58	0 58	24 43	1 11	5 9	1 29	11 24	1 40	23 5	0 28	6 53	1 11	26 4	4 43	17 58	17 47	19 52	12 57	0 26
M10	19 8	4 59	4 52	23 55	1 14	15 22	0 56	24 44	1 11	5 7	1 29	11 23	1 40	23 5	0 28	6 52	1 11	26 4	4 43	18 0	17 47	19 53	12 58	0 26
T 11	19 22	9 49	5 2	23 45	1 1	15 45	0 54	24 44	1 11	5 6	1 29	11 22	1 40	23 5	0 28	6 52	1 11	26 3	4 43	18 2	17 48	19 54	12 59	0 26
W12	19 35	14 9	4 52	23 34	0 48	16 8	0 52	24 43	1 11	5 4	1 29	11 21	1 41	23 5	0 28	6 52	1 11	26 3	4 43	18 5	17 49	19 54	13 0	0 26
T 13	19 48	17 37	4 21	23 21	0 35	16 31	0 50	24 43	1 11	5 3	1 29	11 20	1 41	23 4	0 28	6 51	1 11	26 3	4 43	18 8	17 50	19 55	13 1	0 26
F 14	20 1	19 53	3 32	23 7	0 20	16 53	0 48	24 43	1 11	5 2	1 28	11 20	1 41	23 4	0 28	6 51	1 11	26 3	4 43	18 10	17 51	19 56	13 3	0 26
S 15	20 13	20 44	2 29	22 52	0 5	17 15	0 46	24 42	1 11	5 0	1 28	11 19	1 41	23 4	0 28	6 51	1 11	26 3	4 43	18 11	17 52	19 57	13 4	0 26
S 16	20 25	20 9	1 17	22 36	0s11	17 36	0 44	24 41	1 12	4 59	1 28	11 18	1 42	23 3	0 28	6 50	1 11	26 2	4 43	18 12	17 53	19 58	13 5	0 26
M17	20 37	18 15	0 1	22 19	0 27	17 57	0 41	24 40	1 12	4 58	1 28	11 17	1 42	23 3	0 28	6 50	1 12	26 2	4 43	18 12	17 53	19 58	13 6	0 27
T 18	20 49	15 18	1s12	22 2	0 44	18 17	0 39	24 39	1 12	4 57	1 27	11 17	1 42	23 2	0 28	6 50	1 12	26 2	4 43	18 12	17 54	19 59	13 7	0 27
W19	21 0	11 35	2 20	21 43	1 1	18 37	0 37	24 37	1 12	4 56	1 27	11 16	1 42	23 2	0 28	6 49	1 12	26 2	4 43	18 12	17 55	20 0	13 8	0 27
T 20	21 10	7 23	3 18	21 24	1 18	18 57	0 35	24 35	1 12	4 55	1 27	11 16	1 42	23 2	0 27	6 49	1 12	26 1	4 43	18 12	17 56	20 1	13 9	0 27
F 21	21 21	2 57	4 5	21 4	1 35	19 16	0 33	24 34	1 12	4 54	1 27	11 15	1 43	23 1	0 27	6 49	1 12	26 1	4 43	18 13	17 57	20 2	13 11	0 27
S 22	21 30	1n31	4 39	20 44	1 52	19 34	0 30	24 32	1 12	4 53	1 26	11 15	1 43	23 1	0 27	6 49	1 12	26 1	4 43	18 14	17 58	20 3	13 12	0 27
S 23	21 40	5 51	4 58	20 24	2 9	19 52	0 28	24 29	1 12	4 53	1 26	11 14	1 43	23 1	0 27	6 48	1 12	26 1	4 43	18 16	17 58	20 3	13 13	0 27
M24	21 49	9 52	5 4	20 4	2 25	20 9	0 26	24 27	1 12	4 52	1 26	11 14	1 43	23 0	0 27	6 48	1 12	26 0	4 43	18 19	17 59	20 4	13 14	0 27
T 25	21 58	13 28	4 56	19 44	2 41	20 26	0 23	24 24	1 12	4 51	1 25	11 13	1 44	23 0	0 27	6 48	1 12	26 0	4 43	18 22	18 0	20 5	13 15	0 27
W26	22 7	16 28	4 34	19 25	2 56	20 43	0 21	24 22	1 12	4 51	1 25	11 13	1 44	23 0	0 27	6 48	1 12	26 0	4 43	18 24	18 1	20 6	13 16	0 27
T 27	22 15	18 45	4 1	19 6	3 11	20 58	0 19	24 19	1 12	4 50	1 25	11 13	1 44	22 59	0 27	6 48	1 12	26 0	4 43	18 27	18 2	20 6	13 17	0 27
F 28	22 22	20 13	3 17	18 49	3 24	21 13	0 16	24 16	1 12	4 50	1 25	11 12	1 44	22 59	0 27	6 48	1 12	25 59	4 43	18 29	18 3	20 7	13 18	0 27
S 29	22 30	20 49	2 25	18 32	3 36	21 28	0 14	24 12	1 12	4 50	1 24	11 12	1 45	22 58	0 27	6 47	1 12	25 59	4 43	18 31	18 4	20 8	13 19	0 28
S 30	22 37	20 29	1 27	18 17	3 47	21 42	0 12	24 9	1 12	4 49	1 24	11 12	1 45	22 58	0 27	6 47	1 12	25 59	4 43	18 32	18 4	20 9	13 20	0 28
M31	22n43	19n14	0s24	18n 3	3s56	21n55	0s 9	24n 5	1n12	4s49	1n24	11s12	1s45	22n58	0n27	6s47	1s12	25n59	4n43	18n32	18n 5	20n10	13n21	0s28

Julian Day Number = 2159112.5, Delta T = 13m23s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'33, Lahiri = 12°41'34 Julian Calendar 1 May 1199 == Greg. Calendar 8 May 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

JUNE 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 53	16♊10'11	14♌44	8°R52	11♊27	13♋46	15°R26	5♓25	16♋39	15♓40	24♋22	7♌16	8♌56	28♊15	6♉42	T 1
W 2	17 6 49	17° 7'24	26°53	8♊27	12°41	14°24	15♎25	5°26	16°43	15°40	24°23	7°18	8°53	28°22	6°45	W 2
T 3	17 10 46	18° 4'37	9♍17	8° 5	13°54	15° 2	15°24	5°27	16°46	15°40	24°24	7°19	8°50	28°29	6°48	T 3
F 4	17 14 42	19° 1'49	22° 1	7°47	15° 8	15°40	15°24	5°27	16°49	15°41	24°26	7°R19	8°46	28°35	6°51	F 4
S 5	17 18 39	19°59'00	5♎11	7°32	16°22	16°17	15°24	5°28	16°53	15°41	24°27	7°18	8°43	28°42	6°55	S 5
S 6	17 22 35	20°56'10	18°48	7°22	17°35	16°55	15°D24	5°28	16°56	15°41	24°29	7°15	8°40	28°49	6°58	S 6
M 7	17 26 32	21°53'20	2♏54	7°16	18°49	17°33	15°24	5°28	16°59	15°41	24°30	7°10	8°37	28°55	7° 1	M 7
T 8	17 30 29	22°50'29	17°27	7°D15	20° 2	18°11	15°24	5°29	17° 3	15°42	24°32	7° 4	8°34	29° 2	7° 4	T 8
W 9	17 34 25	23°47'39	2♐24	7°18	21°16	18°49	15°25	5°29	17° 6	15°42	24°33	6°58	8°31	29° 9	7° 7	W 9
T 10	17 38 22	24°44'48	17°35	7°26	22°30	19°27	15°25	5°R29	17°10	15°42	24°35	6°52	8°27	29°15	7°10	T 10
F 11	17 42 18	25°41'56	2♑51	7°39	23°43	20° 4	15°26	5°29	17°13	15°42	24°36	6°47	8°24	29°22	7°13	F 11
S 12	17 46 15	26°39'05	18° 1	7°57	24°57	20°42	15°27	5°29	17°17	15°R42	24°38	6°44	8°21	29°29	7°16	S 12
S 13	17 50 11	27°36'14	2♒56	8°20	26°11	21°20	15°29	5°28	17°20	15°42	24°39	6°D43	8°18	29°35	7°19	S 13
M14	17 54 8	28°33'22	17°30	8°48	27°25	21°58	15°30	5°28	17°24	15°42	24°41	6°43	8°15	29°42	7°21	M14
T 15	17 58 4	29°30'31	1♓38	9°20	28°38	22°36	15°31	5°28	17°27	15°42	24°42	6°44	8°11	29°49	7°24	T 15
W16	18 2 1	0♋27'40	15°21	9°57	29°52	23°13	15°33	5°27	17°31	15°42	24°44	6°46	8° 8	29°55	7°27	W16
T 17	18 5 58	1°24'50	28°38	10°39	1♋ 6	23°51	15°35	5°26	17°34	15°41	24°46	6°R47	8° 5	0♋ 2	7°30	T 17
F 18	18 9 54	2°22'00	11♈33	11°26	2°20	24°29	15°37	5°26	17°38	15°41	24°47	6°46	8° 2	0° 9	7°32	F 18
S 19	18 13 51	3°19'10	24° 9	12°18	3°33	25° 7	15°39	5°25	17°41	15°41	24°49	6°44	7°59	0°15	7°35	S 19
S 20	18 17 47	4°16'20	6♉29	13°14	4°47	25°45	15°42	5°24	17°45	15°41	24°51	6°41	7°56	0°22	7°38	S 20
M21	18 21 44	5°13'31	18°38	14°15	6° 1	26°23	15°44	5°23	17°49	15°41	24°52	6°37	7°52	0°29	7°40	M21
T 22	18 25 40	6°10'43	0♊38	15°20	7°15	27° 0	15°47	5°22	17°52	15°40	24°54	6°32	7°49	0°35	7°43	T 22
W23	18 29 37	7° 7'55	12°32	16°29	8°28	27°38	15°50	5°20	17°56	15°40	24°55	6°27	7°46	0°42	7°45	W23
T 24	18 33 33	8° 5'07	24°22	17°43	9°42	28°16	15°53	5°19	17°59	15°40	24°57	6°22	7°43	0°49	7°48	T 24
F 25	18 37 30	9° 2'20	6♋10	19° 2	10°56	28°54	15°57	5°18	18° 3	15°39	24°59	6°18	7°40	0°55	7°50	F 25
S 26	18 41 27	9°59'33	18° 0	20°24	12°10	29°32	16° 0	5°16	18° 7	15°39	25° 0	6°15	7°37	1° 2	7°52	S 26
S 27	18 45 23	10°56'46	29°52	21°51	13°24	0♌10	16° 4	5°14	18°10	15°38	25° 2	6°14	7°33	1° 9	7°54	S 27
M28	18 49 20	11°54'00	11♌49	23°21	14°38	0°48	16° 7	5°13	18°14	15°38	25° 4	6°D14	7°30	1°15	7°57	M28
T 29	18 53 16	12°51'14	23°53	24°56	15°51	1°25	16°11	5°11	18°18	15°37	25° 5	6°15	7°27	1°22	7°59	T 29
W30	18 57 13	13♋48'28	6♍ 8	26♊34	17♋ 5	2♌ 3	16♎15	5♓ 9	18♋21	15♓37	25♋ 7	6♌16	7♌24	1♋29	8♉ 1	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	17n 7	0n40	17n51	4s 5	22n 8	0s 7	24n 1	1n12	4s49	1n24	11s12	1s45	22n57	0n27	6s47	1s12	25n58	4n43	18n32	18n 6	20n10	13n22	0s28
W 2	22 55	14 14	1 44	17 40	4 12	22 20	0 5	23 57	1 12	4 49	1 23	11 12	1 46	22 57	0 27	6 47	1 12	25 58	4 43	18 32	18 7	20 11	13 23	0 28
T 3	23 0	10 39	2 44	17 31	4 17	22 32	0 2	23 53	1 12	4 49	1 23	11 12	1 46	22 56	0 27	6 47	1 12	25 58	4 43	18 31	18 8	20 12	13 24	0 28
F 4	23 5	6 31	3 38	17 24	4 21	22 43	0n 0	23 49	1 12	4 49	1 23	11 12	1 46	22 56	0 27	6 47	1 12	25 58	4 43	18 31	18 9	20 13	13 25	0 28
S 5	23 10	1 57	4 22	17 19	4 24	22 53	0 3	23 44	1 12	4 49	1 22	11 12	1 46	22 55	0 27	6 47	1 12	25 57	4 43	18 32	18 9	20 13	13 26	0 28
S 6	23 14	2s52	4 53	17 16	4 25	23 2	0 5	23 40	1 12	4 49	1 22	11 12	1 47	22 55	0 27	6 47	1 13	25 57	4 43	18 32	18 10	20 14	13 27	0 28
M 7	23 18	7 42	5 8	17 15	4 25	23 11	0 7	23 35	1 12	4 50	1 22	11 12	1 47	22 55	0 27	6 47	1 13	25 57	4 43	18 34	18 11	20 15	13 28	0 28
T 8	23 21	12 15	5 4	17 16	4 24	23 20	0 10	23 30	1 12	4 50	1 22	11 12	1 47	22 54	0 27	6 47	1 13	25 56	4 43	18 35	18 12	20 15	13 29	0 29
W 9	23 24	16 10	4 39	17 19	4 22	23 27	0 12	23 24	1 12	4 51	1 21	11 12	1 47	22 54	0 27	6 47	1 13	25 56	4 43	18 37	18 13	20 16	13 30	0 29
T 10	23 26	19 4	3 55	17 24	4 18	23 34	0 14	23 19	1 12	4 51	1 21	11 12	1 48	22 53	0 27	6 47	1 13	25 56	4 43	18 38	18 14	20 17	13 31	0 29
F 11	23 28	20 37	2 53	17 31	4 13	23 40	0 17	23 13	1 12	4 52	1 21	11 13	1 48	22 53	0 27	6 47	1 13	25 56	4 43	18 39	18 14	20 18	13 31	0 29
S 12	23 30	20 40	1 40	17 39	4 7	23 46	0 19	23 8	1 12	4 52	1 20	11 13	1 48	22 52	0 27	6 47	1 13	25 55	4 43	18 40	18 15	20 18	13 32	0 29
S 13	23 31	19 15	0 21	17 50	4 1	23 51	0 21	23 2	1 12	4 53	1 20	11 13	1 48	22 52	0 27	6 47	1 13	25 55	4 43	18 40	18 16	20 19	13 33	0 29
M14	23 32	16 35	0s58	18 1	3 53	23 55	0 24	22 56	1 12	4 54	1 20	11 14	1 49	22 51	0 27	6 47	1 13	25 55	4 43	18 40	18 17	20 20	13 34	0 29
T 15	23 32	12 59	2 12	18 15	3 45	23 58	0 26	22 49	1 12	4 55	1 20	11 14	1 49	22 51	0 27	6 47	1 13	25 55	4 43	18 40	18 18	20 20	13 35	0 29
W16	23 32	8 48	3 15	18 29	3 36	24 1	0 28	22 43	1 12	4 56	1 19	11 14	1 49	22 51	0 27	6 47	1 13	25 54	4 43	18 40	18 19	20 21	13 36	0 29
T 17	23 32	4 18	4 6	18 45	3 26	24 3	0 30	22 36	1 12	4 57	1 19	11 15	1 49	22 50	0 27	6 47	1 13	25 54	4 43	18 39	18 19	20 22	13 36	0 29
F 18	23 31	0n15	4 43	19 2	3 15	24 4	0 33	22 30	1 12	4 58	1 19	11 15	1 49	22 50	0 27	6 47	1 13	25 54	4 43	18 40	18 20	20 23	13 37	0 30
S 19	23 30	4 41	5 5	19 19	3 4	24 4	0 35	22 23	1 12	4 59	1 18	11 16	1 50	22 49	0 27	6 47	1 13	25 53	4 43	18 40	18 21	20 23	13 38	0 30
S 20	23 28	8 49	5 12	19 38	2 53	24 4	0 37	22 16	1 12	5 0	1 18	11 17	1 50	22 49	0 27	6 48	1 13	25 53	4 43	18 41	18 22	20 24	13 39	0 30
M21	23 26	12 33	5 5	19 57	2 41	24 3	0 39	22 9	1 12	5 1	1 18	11 17	1 50	22 48	0 27	6 48	1 13	25 53	4 43	18 42	18 23	20 25	13 39	0 30
T 22	23 24	15 43	4 45	20 16	2 28	24 2	0 41	22 1	1 12	5 3	1 18	11 18	1 50	22 48	0 27	6 48	1 13	25 53	4 43	18 43	18 23	20 25	13 40	0 30
W23	23 21	18 13	4 13	20 36	2 16	23 59	0 43	21 54	1 12	5 4	1 17	11 18	1 51	22 47	0 27	6 48	1 13	25 52	4 43	18 45	18 24	20 26	13 41	0 30
T 24	23 18	19 56	3 30	20 56	2 3	23 56	0 45	21 46	1 12	5 6	1 17	11 19	1 51	22 47	0 27	6 48	1 13	25 52	4 43	18 46	18 25	20 27	13 42	0 30
F 25	23 14	20 46	2 38	21 16	1 50	23 52	0 47	21 38	1 12	5 7	1 17	11 20	1 51	22 46	0 27	6 48	1 13	25 52	4 43	18 47	18 26	20 27	13 42	0 30
S 26	23 10	20 42	1 39	21 35	1 37	23 48	0 49	21 30	1 12	5 9	1 17	11 21	1 51	22 46	0 27	6 49	1 13	25 51	4 43	18 47	18 27	20 28	13 43	0 30
S 27	23 5	19 42	0 35	21 54	1 23	23 43	0 51	21 22	1 11	5 10	1 16	11 22	1 52	22 45	0 27	6 49	1 14	25 51	4 43	18 48	18 28	20 29	13 44	0 30
M28	23 0	17 49	0n31	22 13	1 10	23 37	0 53	21 14	1 11	5 12	1 16	11 22	1 52	22 45	0 27	6 49	1 14	25 51	4 43	18 48	18 28	20 29	13 44	0 31
T 29	22 55	15 7	1 36	22 30	0 57	23 30	0 55	21 5	1 11	5 14	1 16	11 23	1 52	22 44	0 27	6 49	1 14	25 51	4 43	18 47	18 29	20 30	13 45	0 31
W30	22n49	11n44	2n38	22n46	0s44	23n23	0n57	20n57	1n11	5s16	1n15	11s24	1s52	22n44	0n27	6s50	1s14	25n50	4n43	18n47	18n30	20n31	13n45	0s31

Julian Day Number = 2159143.5, Delta T = 13m23s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'38, Lahiri = 12°41'38 Julian Calendar 1 June 1199 == Greg. Calendar 8 June 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

JULY 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 1 9	14♋45'42	18♍38	28♊17	18♋19	2♌41	16♎20	5°R 7	18♋25	15°R36	25♋ 9	6♌18	7♌21	1♋35	8♉ 3	T 1
F 2	19 5 6	15°42'57	1♎25	0♋ 2	19°33	3°19	16°24	5♓ 5	18°29	15♓35	25°11	6°19	7°17	1°42	8° 5	F 2
S 3	19 9 2	16°40'12	14°32	1°51	20°47	3°57	16°29	5° 3	18°32	15°35	25°12	6°R20	7°14	1°49	8° 7	S 3
S 4	19 12 59	17°37'27	28° 4	3°43	22° 1	4°35	16°33	5° 0	18°36	15°34	25°14	6°19	7°11	1°55	8° 9	S 4
M 5	19 16 56	18°34'43	12♏ 0	5°38	23°15	5°13	16°38	4°58	18°40	15°33	25°16	6°18	7° 8	2° 2	8°11	M 5
T 6	19 20 52	19°31'59	26°22	7°35	24°29	5°51	16°43	4°56	18°43	15°33	25°17	6°17	7° 5	2° 9	8°13	T 6
W 7	19 24 49	20°29'15	11♐ 5	9°34	25°43	6°28	16°49	4°53	18°47	15°32	25°19	6°15	7° 2	2°16	8°15	W 7
T 8	19 28 45	21°26'33	26° 4	11°36	26°57	7° 6	16°54	4°50	18°51	15°31	25°21	6°13	6°58	2°22	8°16	T 8
F 9	19 32 42	22°23'50	11♑12	13°39	28°11	7°44	16°59	4°48	18°54	15°30	25°23	6°12	6°55	2°29	8°18	F 9
S 10	19 36 38	23°21'09	26°20	15°43	29°24	8°22	17° 5	4°45	18°58	15°30	25°24	6°11	6°52	2°36	8°20	S 10
S 11	19 40 35	24°18'28	11♒17	17°48	0♌38	9° 0	17°11	4°42	19° 2	15°29	25°26	6°D11	6°49	2°42	8°21	S 11
M12	19 44 32	25°15'48	25°57	19°53	1°52	9°38	17°17	4°39	19° 5	15°28	25°28	6°11	6°46	2°49	8°23	M12
T 13	19 48 28	26°13'09	10♓14	21°59	3° 6	10°16	17°23	4°36	19° 9	15°27	25°30	6°12	6°43	2°56	8°24	T 13
W14	19 52 25	27°10'31	24° 5	24° 5	4°20	10°54	17°29	4°33	19°13	15°26	25°31	6°13	6°39	3° 2	8°26	W14
T 15	19 56 21	28° 7'55	7♈29	26°10	5°34	11°32	17°36	4°30	19°16	15°25	25°33	6°13	6°36	3° 9	8°27	T 15
F 16	20 0 18	29° 5'19	20°29	28°15	6°48	12°10	17°42	4°27	19°20	15°24	25°35	6°14	6°33	3°16	8°28	F 16
S 17	20 4 14	0♌ 2'45	3♉ 6	0♌20	8° 2	12°48	17°49	4°23	19°24	15°23	25°36	6°R14	6°30	3°22	8°30	S 17
S 18	20 8 11	1° 0'12	15°26	2°23	9°16	13°26	17°55	4°20	19°27	15°22	25°38	6°14	6°27	3°29	8°31	S 18
M19	20 12 7	1°57'41	27°31	4°26	10°30	14° 4	18° 2	4°16	19°31	15°21	25°40	6°13	6°23	3°36	8°32	M19
T 20	20 16 4	2°55'11	9♊28	6°27	11°44	14°42	18° 9	4°13	19°34	15°20	25°42	6°13	6°20	3°42	8°33	T 20
W21	20 20 0	3°52'42	21°18	8°27	12°58	15°20	18°17	4° 9	19°38	15°19	25°43	6°13	6°17	3°49	8°34	W21
T 22	20 23 57	4°50'15	3♋ 7	10°26	14°13	15°58	18°24	4° 6	19°42	15°17	25°45	6°12	6°14	3°56	8°35	T 22
F 23	20 27 54	5°47'49	14°56	12°24	15°27	16°36	18°31	4° 2	19°45	15°16	25°47	6°D12	6°11	4° 2	8°36	F 23
S 24	20 31 50	6°45'24	26°50	14°20	16°41	17°14	18°39	3°58	19°49	15°15	25°48	6°12	6° 8	4° 9	8°37	S 24
S 25	20 35 47	7°43'00	8♌49	16°14	17°55	17°52	18°47	3°54	19°52	15°14	25°50	6°R12	6° 4	4°16	8°37	S 25
M26	20 39 43	8°40'38	20°57	18° 8	19° 9	18°30	18°54	3°50	19°56	15°13	25°52	6°12	6° 1	4°22	8°38	M26
T 27	20 43 40	9°38'17	3♍14	19°59	20°23	19° 8	19° 2	3°46	19°59	15°11	25°54	6°12	5°58	4°29	8°39	T 27
W28	20 47 36	10°35'57	15°43	21°50	21°37	19°46	19°10	3°42	20° 3	15°10	25°55	6°11	5°55	4°36	8°39	W28
T 29	20 51 33	11°33'38	28°26	23°39	22°51	20°24	19°19	3°38	20° 6	15° 9	25°57	6°11	5°52	4°42	8°40	T 29
F 30	20 55 29	12°31'20	11♎23	25°26	24° 5	21° 3	19°27	3°34	20°10	15° 7	25°59	6°10	5°49	4°49	8°41	F 30
S 31	20 59 26	13♌29'03	24♎36	27♌12	25♌19	21♌41	19♎35	3♓30	20♋13	15♓ 6	26♋ 0	6♌10	5♌45	4♋56	8♉41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n43	7n47	3n33	23n 1	0s31	23n15	0n59	20n48	1n11	5s17	1n15	11s25	1s53	22n43	0n27	6s50	1s14	25n50	4n43	18n47	18n31	20n31	13n46	0s31
F 2	22 37	3 24	4 19	23 15	0 18	23 6	1 0	20 39	1 11	5 19	1 15	11 26	1 53	22 43	0 27	6 50	1 14	25 50	4 43	18 46	18 32	20 32	13 46	0 31
S 3	22 30	1s15	4 54	23 26	0 6	22 57	1 2	20 30	1 11	5 21	1 15	11 27	1 53	22 42	0 27	6 50	1 14	25 50	4 43	18 46	18 32	20 32	13 47	0 31
S 4	22 23	5 58	5 13	23 36	0n 6	22 47	1 4	20 21	1 11	5 23	1 14	11 28	1 53	22 42	0 27	6 51	1 14	25 49	4 43	18 46	18 33	20 33	13 48	0 31
M 5	22 15	10 31	5 15	23 43	0 18	22 36	1 5	20 12	1 11	5 26	1 14	11 29	1 53	22 41	0 27	6 51	1 14	25 49	4 43	18 47	18 34	20 34	13 48	0 31
T 6	22 7	14 36	4 57	23 48	0 29	22 25	1 7	20 2	1 11	5 28	1 14	11 30	1 54	22 41	0 27	6 51	1 14	25 49	4 44	18 47	18 35	20 34	13 49	0 31
W 7	21 58	17 55	4 20	23 51	0 39	22 13	1 8	19 52	1 11	5 30	1 14	11 32	1 54	22 40	0 27	6 52	1 14	25 48	4 44	18 47	18 36	20 35	13 49	0 32
T 8	21 49	20 5	3 24	23 51	0 49	22 0	1 10	19 43	1 11	5 32	1 13	11 33	1 54	22 40	0 27	6 52	1 14	25 48	4 44	18 48	18 36	20 36	13 49	0 32
F 9	21 40	20 50	2 14	23 48	0 58	21 46	1 11	19 33	1 11	5 35	1 13	11 34	1 54	22 39	0 28	6 52	1 14	25 48	4 44	18 48	18 37	20 36	13 50	0 32
S 10	21 31	20 5	0 54	23 43	1 6	21 32	1 12	19 23	1 10	5 37	1 13	11 35	1 54	22 39	0 28	6 53	1 14	25 48	4 44	18 48	18 38	20 37	13 50	0 32
S 11	21 21	17 55	0s28	23 34	1 14	21 18	1 14	19 13	1 10	5 40	1 13	11 36	1 55	22 38	0 28	6 53	1 14	25 47	4 44	18 48	18 39	20 37	13 51	0 32
M12	21 10	14 36	1 48	23 23	1 21	21 3	1 15	19 3	1 10	5 42	1 12	11 38	1 55	22 38	0 28	6 54	1 14	25 47	4 44	18 48	18 40	20 38	13 51	0 32
T 13	21 0	10 30	2 58	23 10	1 27	20 47	1 16	18 52	1 10	5 45	1 12	11 39	1 55	22 37	0 28	6 54	1 14	25 47	4 44	18 48	18 41	20 39	13 51	0 32
W14	20 49	5 58	3 56	22 53	1 32	20 30	1 17	18 42	1 10	5 47	1 12	11 40	1 55	22 37	0 28	6 54	1 14	25 47	4 44	18 48	18 41	20 39	13 52	0 32
T 15	20 37	1 17	4 39	22 35	1 36	20 13	1 18	18 31	1 10	5 50	1 12	11 42	1 55	22 36	0 28	6 55	1 14	25 46	4 44	18 48	18 42	20 40	13 52	0 32
F 16	20 26	3n19	5 6	22 14	1 40	19 56	1 19	18 20	1 10	5 53	1 11	11 43	1 56	22 36	0 28	6 55	1 14	25 46	4 44	18 48	18 43	20 40	13 52	0 33
S 17	20 14	7 38	5 17	21 50	1 43	19 38	1 20	18 9	1 10	5 55	1 11	11 44	1 56	22 35	0 28	6 56	1 14	25 46	4 44	18 48	18 44	20 41	13 53	0 33
S 18	20 1	11 32	5 13	21 25	1 45	19 19	1 21	17 58	1 10	5 58	1 11	11 46	1 56	22 35	0 28	6 56	1 14	25 46	4 44	18 48	18 45	20 41	13 53	0 33
M19	19 48	14 53	4 56	20 57	1 46	19 0	1 22	17 47	1 9	6 1	1 11	11 47	1 56	22 34	0 28	6 57	1 14	25 45	4 44	18 48	18 45	20 42	13 53	0 33
T 20	19 35	17 35	4 26	20 28	1 47	18 40	1 23	17 36	1 9	6 4	1 10	11 49	1 56	22 34	0 28	6 57	1 15	25 45	4 45	18 48	18 46	20 43	13 54	0 33
W21	19 22	19 31	3 44	19 57	1 47	18 19	1 23	17 25	1 9	6 7	1 10	11 50	1 57	22 33	0 28	6 58	1 15	25 45	4 45	18 48	18 47	20 43	13 54	0 33
T 22	19 8	20 37	2 54	19 24	1 46	17 59	1 24	17 13	1 9	6 10	1 10	11 52	1 57	22 33	0 28	6 58	1 15	25 45	4 45	18 48	18 48	20 44	13 54	0 33
F 23	18 54	20 47	1 55	18 50	1 45	17 37	1 25	17 1	1 9	6 13	1 10	11 53	1 57	22 32	0 28	6 58	1 15	25 44	4 45	18 48	18 48	20 44	13 54	0 33
S 24	18 40	20 2	0 52	18 15	1 43	17 15	1 25	16 50	1 9	6 16	1 9	11 55	1 57	22 32	0 28	6 59	1 15	25 44	4 45	18 48	18 49	20 45	13 54	0 33
S 25	18 25	18 22	0n15	17 38	1 41	16 53	1 26	16 38	1 9	6 19	1 9	11 56	1 57	22 31	0 28	6 59	1 15	25 44	4 45	18 48	18 50	20 45	13 54	0 34
M26	18 10	15 51	1 21	17 1	1 38	16 30	1 26	16 26	1 9	6 22	1 9	11 58	1 57	22 31	0 28	7 0	1 15	25 44	4 45	18 48	18 51	20 46	13 55	0 34
T 27	17 55	12 36	2 25	16 22	1 34	16 7	1 26	16 14	1 8	6 26	1 9	11 59	1 58	22 30	0 28	7 1	1 15	25 43	4 45	18 48	18 52	20 46	13 55	0 34
W28	17 39	8 45	3 22	15 43	1 31	15 43	1 27	16 2	1 8	6 29	1 9	12 1	1 58	22 30	0 28	7 1	1 15	25 43	4 45	18 48	18 52	20 47	13 55	0 34
T 29	17 23	4 28	4 11	15 3	1 26	15 19	1 27	15 49	1 8	6 32	1 8	12 3	1 58	22 29	0 28	7 2	1 15	25 43	4 45	18 48	18 53	20 48	13 55	0 34
F 30	17 7	0s 6	4 48	14 23	1 22	14 55	1 27	15 37	1 8	6 36	1 8	12 4	1 58	22 29	0 28	7 2	1 15	25 43	4 45	18 49	18 54	20 48	13 55	0 34
S 31	16n51	4s45	5n11	13n42	1n17	14n30	1n27	15n25	1n 8	6s39	1n 8	12s 6	1s58	22n28	0n28	7s 3	1s15	25n43	4n46	18n49	18n55	20n49	13n55	0s34

Julian Day Number = 2159173.5, Delta T = 13m23s
Ecliptic obliquity = 23°32'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'42, Lahiri = 12°41'42 Julian Calendar 1 July 1199 == Greg. Calendar 8 July 1199

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1199
geocentric

AUGUST 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 23	14♌26'48	8♏ 8	28♌57	26♌33	22♌19	19♎44	3°R26	20♋17	15°R 5	26♋ 2	6°D 9	5♌42	5♋ 2	8♉41	S 1
M 2	21 7 19	15°24'34	21°58	0♍40	27°48	22°57	19°53	3♓22	20°20	15♓ 3	26° 4	6♌ 9	5°39	5° 9	8°42	M 2
T 3	21 11 16	16°22'21	6♐ 6	2°21	29° 2	23°35	20° 1	3°17	20°24	15° 2	26° 5	6°10	5°36	5°16	8°42	T 3
W 4	21 15 12	17°20'09	20°31	4° 2	0♍16	24°13	20°10	3°13	20°27	15° 1	26° 7	6°10	5°33	5°22	8°42	W 4
T 5	21 19 9	18°17'58	5♑10	5°41	1°30	24°52	20°19	3° 9	20°30	14°59	26° 8	6°11	5°29	5°29	8°42	T 5
F 6	21 23 5	19°15'49	19°58	7°18	2°44	25°30	20°28	3° 4	20°34	14°58	26°10	6°12	5°26	5°36	8°42	F 6
S 7	21 27 2	20°13'41	4♒48	8°55	3°58	26° 8	20°38	3° 0	20°37	14°56	26°12	6°R13	5°23	5°42	8°R42	S 7
S 8	21 30 58	21°11'35	19°33	10°29	5°12	26°46	20°47	2°56	20°40	14°55	26°13	6°12	5°20	5°49	8°42	S 8
M 9	21 34 55	22° 9'30	4♓ 7	12° 3	6°26	27°24	20°56	2°51	20°44	14°53	26°15	6°11	5°17	5°56	8°42	M 9
T 10	21 38 52	23° 7'26	18°22	13°35	7°40	28° 3	21° 6	2°47	20°47	14°52	26°16	6° 9	5°14	6° 2	8°42	T 10
W11	21 42 48	24° 5'25	2♈15	15° 6	8°55	28°41	21°15	2°42	20°50	14°50	26°18	6° 7	5°10	6° 9	8°42	W11
T 12	21 46 45	25° 3'25	15°43	16°36	10° 9	29°19	21°25	2°38	20°53	14°49	26°20	6° 4	5° 7	6°16	8°42	T 12
F 13	21 50 41	26° 1'27	28°47	18° 4	11°23	29°58	21°35	2°33	20°56	14°47	26°21	6° 2	5° 4	6°22	8°41	F 13
S 14	21 54 38	26°59'31	11♉28	19°31	12°37	0♍36	21°45	2°28	21° 0	14°46	26°23	6° 0	5° 1	6°29	8°41	S 14
S 15	21 58 34	27°57'37	23°49	20°56	13°51	1°14	21°55	2°24	21° 3	14°44	26°24	6°D 0	4°58	6°36	8°40	S 15
M16	22 2 31	28°55'46	5♊56	22°20	15° 5	1°53	22° 5	2°19	21° 6	14°42	26°26	6° 0	4°54	6°42	8°40	M16
T 17	22 6 27	29°53'56	17°51	23°43	16°19	2°31	22°15	2°15	21° 9	14°41	26°27	6° 1	4°51	6°49	8°39	T 17
W18	22 10 24	0♍52'08	29°41	25° 4	17°33	3° 9	22°25	2°10	21°12	14°39	26°29	6° 2	4°48	6°55	8°39	W18
T 19	22 14 21	1°50'22	11♋30	26°23	18°48	3°48	22°36	2° 5	21°15	14°38	26°30	6° 4	4°45	7° 2	8°38	T 19
F 20	22 18 17	2°48'39	23°22	27°42	20° 2	4°26	22°46	2° 1	21°18	14°36	26°32	6° 5	4°42	7° 9	8°37	F 20
S 21	22 22 14	3°46'57	5♌21	28°58	21°16	5° 5	22°57	1°56	21°21	14°34	26°33	6°R 6	4°39	7°15	8°37	S 21
S 22	22 26 10	4°45'17	17°30	0♎13	22°30	5°43	23° 7	1°52	21°24	14°33	26°34	6° 6	4°35	7°22	8°36	S 22
M23	22 30 7	5°43'39	29°51	1°26	23°44	6°22	23°18	1°47	21°27	14°31	26°36	6° 4	4°32	7°29	8°35	M23
T 24	22 34 3	6°42'03	12♍26	2°38	24°58	7° 0	23°29	1°42	21°30	14°30	26°37	6° 0	4°29	7°35	8°34	T 24
W25	22 38 0	7°40'29	25°15	3°47	26°12	7°39	23°40	1°38	21°32	14°28	26°39	5°55	4°26	7°42	8°33	W25
T 26	22 41 56	8°38'57	8♎18	4°55	27°26	8°17	23°51	1°33	21°35	14°26	26°40	5°50	4°23	7°49	8°32	T 26
F 27	22 45 53	9°37'26	21°34	6° 0	28°41	8°56	24° 2	1°29	21°38	14°25	26°41	5°45	4°20	7°55	8°30	F 27
S 28	22 49 50	10°35'58	5♏ 4	7° 3	29°55	9°34	24°13	1°24	21°41	14°23	26°43	5°40	4°16	8° 2	8°29	S 28
S 29	22 53 46	11°34'30	18°45	8° 4	1♎ 9	10°13	24°24	1°20	21°43	14°21	26°44	5°36	4°13	8° 9	8°28	S 29
M30	22 57 43	12°33'05	2♐37	9° 2	2°23	10°52	24°35	1°15	21°46	14°20	26°45	5°35	4°10	8°15	8°27	M30
T 31	23 1 39	13♍31'42	16♐39	9♎58	3♎37	11♍30	24♎46	1♓11	21♋49	14♓18	26♋46	5°D34	4♌ 7	8♋22	8♉25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n34	9s16	5n17	13n 0	1n11	14n 5	1n27	15n12	1n 8	6s42	1n 8	12s 8	1s58	22n28	0n28	7s 3	1s15	25n42	4n46	18n49	18n56	20n49	13n55	0s34
M 2	16 17	13 25	5 5	12 18	1 5	13 39	1 27	14 59	1 7	6 46	1 7	12 9	1 58	22 27	0 28	7 4	1 15	25 42	4 46	18 49	18 56	20 50	13 55	0 35
T 3	16 0	16 54	4 35	11 36	0 59	13 13	1 27	14 46	1 7	6 49	1 7	12 11	1 59	22 27	0 28	7 4	1 15	25 42	4 46	18 49	18 57	20 50	13 55	0 35
W 4	15 42	19 26	3 47	10 54	0 53	12 47	1 27	14 34	1 7	6 53	1 7	12 13	1 59	22 26	0 28	7 5	1 15	25 42	4 46	18 49	18 58	20 51	13 55	0 35
T 5	15 25	20 43	2 44	10 11	0 47	12 20	1 26	14 21	1 7	6 56	1 7	12 14	1 59	22 26	0 28	7 6	1 15	25 42	4 46	18 48	18 59	20 51	13 55	0 35
F 6	15 7	20 35	1 29	9 29	0 40	11 53	1 26	14 7	1 7	7 0	1 7	12 16	1 59	22 25	0 28	7 6	1 15	25 41	4 46	18 48	18 59	20 52	13 55	0 35
S 7	14 48	19 1	0 8	8 46	0 33	11 25	1 26	13 54	1 7	7 4	1 6	12 18	1 59	22 25	0 28	7 7	1 15	25 41	4 46	18 48	19 0	20 52	13 55	0 35
S 8	14 30	16 11	1s13	8 3	0 25	10 58	1 25	13 41	1 6	7 7	1 6	12 20	1 59	22 24	0 28	7 7	1 15	25 41	4 46	18 48	19 1	20 53	13 54	0 35
M 9	14 11	12 21	2 28	7 21	0 18	10 30	1 25	13 28	1 6	7 11	1 6	12 21	1 59	22 24	0 28	7 8	1 15	25 41	4 47	18 48	19 2	20 53	13 54	0 35
T 10	13 52	7 53	3 33	6 38	0 10	10 1	1 24	13 14	1 6	7 15	1 6	12 23	1 59	22 23	0 28	7 9	1 15	25 41	4 47	18 49	19 3	20 53	13 54	0 35
W11	13 33	3 7	4 22	5 56	0 2	9 33	1 23	13 1	1 6	7 19	1 6	12 25	2 0	22 23	0 28	7 9	1 15	25 40	4 47	18 49	19 3	20 54	13 54	0 36
T 12	13 13	1n40	4 56	5 14	0s 6	9 4	1 22	12 47	1 6	7 23	1 5	12 26	2 0	22 22	0 28	7 10	1 15	25 40	4 47	18 50	19 4	20 54	13 54	0 36
F 13	12 54	6 13	5 13	4 32	0 14	8 35	1 22	12 33	1 6	7 26	1 5	12 28	2 0	22 22	0 28	7 10	1 15	25 40	4 47	18 51	19 5	20 55	13 54	0 36
S 14	12 34	10 21	5 14	3 50	0 22	8 6	1 21	12 20	1 5	7 30	1 5	12 30	2 0	22 21	0 28	7 11	1 15	25 40	4 47	18 51	19 6	20 55	13 53	0 36
S 15	12 14	13 57	5 0	3 9	0 30	7 36	1 20	12 6	1 5	7 34	1 5	12 32	2 0	22 21	0 28	7 12	1 15	25 40	4 47	18 51	19 6	20 56	13 53	0 36
M16	11 54	16 54	4 34	2 28	0 39	7 7	1 19	11 52	1 5	7 38	1 5	12 33	2 0	22 20	0 28	7 12	1 15	25 40	4 48	18 51	19 7	20 56	13 53	0 36
T 17	11 33	19 5	3 55	1 47	0 47	6 37	1 18	11 38	1 5	7 42	1 5	12 35	2 0	22 20	0 28	7 13	1 15	25 39	4 48	18 51	19 8	20 57	13 52	0 36
W18	11 13	20 25	3 7	1 7	0 56	6 7	1 17	11 24	1 5	7 46	1 4	12 37	2 0	22 20	0 28	7 14	1 15	25 39	4 48	18 51	19 9	20 57	13 52	0 36
T 19	10 52	20 52	2 11	0 27	1 4	5 37	1 15	11 9	1 4	7 50	1 4	12 39	2 0	22 19	0 28	7 14	1 15	25 39	4 48	18 50	19 10	20 58	13 52	0 37
F 20	10 31	20 22	1 10	0s12	1 13	5 6	1 14	10 55	1 4	7 54	1 4	12 40	2 0	22 19	0 28	7 15	1 15	25 39	4 48	18 50	19 10	20 58	13 51	0 37
S 21	10 10	18 57	0 4	0 50	1 22	4 36	1 13	10 41	1 4	7 58	1 4	12 42	2 0	22 18	0 28	7 15	1 15	25 39	4 48	18 50	19 11	20 58	13 51	0 37
S 22	9 48	16 39	1n 2	1 28	1 30	4 5	1 12	10 27	1 4	8 2	1 4	12 44	2 0	22 18	0 28	7 16	1 15	25 39	4 48	18 50	19 12	20 59	13 51	0 37
M23	9 27	13 33	2 7	2 5	1 39	3 34	1 10	10 12	1 4	8 6	1 4	12 45	2 0	22 17	0 28	7 17	1 15	25 39	4 49	18 50	19 13	20 59	13 50	0 37
T 24	9 5	9 47	3 6	2 41	1 47	3 3	1 9	9 57	1 3	8 11	1 3	12 47	2 0	22 17	0 28	7 17	1 15	25 38	4 49	18 51	19 13	21 0	13 50	0 37
W25	8 44	5 31	3 57	3 17	1 56	2 32	1 7	9 43	1 3	8 15	1 3	12 49	2 0	22 17	0 28	7 18	1 15	25 38	4 49	18 52	19 14	21 0	13 49	0 37
T 26	8 22	0 56	4 37	3 52	2 4	2 1	1 5	9 28	1 3	8 19	1 3	12 51	2 1	22 16	0 28	7 19	1 15	25 38	4 49	18 54	19 15	21 0	13 49	0 37
F 27	8 0	3s46	5 2	4 25	2 13	1 30	1 4	9 13	1 3	8 23	1 3	12 52	2 1	22 16	0 28	7 19	1 16	25 38	4 49	18 55	19 16	21 1	13 49	0 37
S 28	7 37	8 22	5 11	4 58	2 21	0 59	1 2	8 59	1 3	8 27	1 3	12 54	2 1	22 15	0 28	7 20	1 16	25 38	4 49	18 56	19 16	21 1	13 48	0 38
S 29	7 15	12 37	5 3	5 29	2 29	0 28	1 0	8 44	1 2	8 32	1 3	12 56	2 1	22 15	0 28	7 21	1 16	25 38	4 49	18 57	19 17	21 2	13 47	0 38
M30	6 53	16 14	4 38	6 0	2 37	0s 3	0 58	8 29	1 2	8 36	1 2	12 57	2 1	22 15	0 28	7 21	1 16	25 38	4 50	18 57	19 18	21 2	13 47	0 38
T 31	6n30	18s58	3n55	6s29	2s44	0s35	0n57	8n14	1n 2	8s40	1n 2	12s59	2s 1	22n14	0n28	7s22	1s16	25n38	4n50	18n58	19n19	21n 2	13n46	0s38

Julian Day Number = 2159204.5, Delta T = 13m23s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'46, Lahiri = 12°41'47 Julian Calendar 1 Aug. 1199 == Greg. Calendar 8 Aug. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

SEPTEMBER 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 5 36	14♍30'20	0♑50	10♎50	4♎51	12♍ 9	24♎58	1°R 6	21♋51	14°R16	26♋48	5♌35	4♌ 4	8♋29	8°R24	W 1
T 2	23 9 32	15°28'59	15° 8	11°40	6° 5	12°47	25° 9	1♓ 2	21°54	14♓15	26°49	5°36	4° 0	8°35	8♉22	T 2
F 3	23 13 29	16°27'41	29°31	12°26	7°19	13°26	25°21	0°58	21°56	14°13	26°50	5°R37	3°57	8°42	8°21	F 3
S 4	23 17 25	17°26'24	13♒56	13° 8	8°33	14° 5	25°32	0°53	21°59	14°11	26°51	5°37	3°54	8°49	8°19	S 4
S 5	23 21 22	18°25'09	28°17	13°47	9°47	14°44	25°44	0°49	22° 1	14°10	26°53	5°35	3°51	8°55	8°18	S 5
M 6	23 25 19	19°23'56	12♓32	14°21	11° 1	15°22	25°56	0°45	22° 3	14° 8	26°54	5°31	3°48	9° 2	8°16	M 6
T 7	23 29 15	20°22'45	26°33	14°50	12°15	16° 1	26° 8	0°40	22° 6	14° 6	26°55	5°25	3°45	9° 9	8°14	T 7
W 8	23 33 12	21°21'36	10♈18	15°15	13°29	16°40	26°19	0°36	22° 8	14° 5	26°56	5°18	3°41	9°15	8°12	W 8
T 9	23 37 8	22°20'29	23°42	15°34	14°43	17°19	26°31	0°32	22°10	14° 3	26°57	5°10	3°38	9°22	8°11	T 9
F 10	23 41 5	23°19'24	6♉44	15°47	15°57	17°57	26°43	0°28	22°13	14° 1	26°58	5° 2	3°35	9°29	8° 9	F 10
S 11	23 45 1	24°18'22	19°26	15°54	17°11	18°36	26°55	0°24	22°15	14° 0	26°59	4°55	3°32	9°35	8° 7	S 11
S 12	23 48 58	25°17'22	1♊48	15°R55	18°25	19°15	27° 7	0°20	22°17	13°58	27° 0	4°51	3°29	9°42	8° 5	S 12
M13	23 52 54	26°16'24	13°55	15°48	19°39	19°54	27°20	0°16	22°19	13°57	27° 1	4°48	3°26	9°49	8° 3	M13
T 14	23 56 51	27°15'29	25°51	15°34	20°53	20°33	27°32	0°12	22°21	13°55	27° 2	4°D47	3°22	9°55	8° 1	T 14
W15	0 0 47	28°14'36	7♋40	15°12	22° 7	21°12	27°44	0° 9	22°23	13°53	27° 3	4°47	3°19	10° 2	7°59	W15
T 16	0 4 44	29°13'45	19°29	14°43	23°21	21°51	27°56	0° 5	22°25	13°52	27° 4	4°48	3°16	10° 9	7°56	T 16
F 17	0 8 41	0♎12'57	1♌23	14° 5	24°35	22°30	28° 9	0° 1	22°27	13°50	27° 5	4°R49	3°13	10°15	7°54	F 17
S 18	0 12 37	1°12'11	13°26	13°20	25°49	23° 9	28°21	29♒58	22°29	13°49	27° 6	4°49	3°10	10°22	7°52	S 18
S 19	0 16 34	2°11'27	25°42	12°28	27° 3	23°48	28°33	29°54	22°30	13°47	27° 7	4°46	3° 6	10°29	7°50	S 19
M20	0 20 30	3°10'45	8♍16	11°29	28°17	24°27	28°46	29°51	22°32	13°45	27° 8	4°42	3° 3	10°35	7°47	M20
T 21	0 24 27	4°10'06	21° 7	10°25	29°31	25° 6	28°58	29°47	22°34	13°44	27° 9	4°35	3° 0	10°42	7°45	T 21
W22	0 28 23	5° 9'29	4♎18	9°16	0♏45	25°45	29°11	29°44	22°36	13°42	27° 9	4°25	2°57	10°49	7°43	W22
T 23	0 32 20	6° 8'54	17°45	8° 5	1°59	26°24	29°24	29°41	22°37	13°41	27°10	4°15	2°54	10°55	7°40	T 23
F 24	0 36 16	7° 8'20	1♏28	6°53	3°13	27° 4	29°36	29°37	22°39	13°39	27°11	4° 4	2°51	11° 2	7°38	F 24
S 25	0 40 13	8° 7'49	15°23	5°42	4°27	27°43	29°49	29°34	22°40	13°38	27°12	3°54	2°47	11° 8	7°35	S 25
S 26	0 44 10	9° 7'20	29°25	4°34	5°41	28°22	0♏ 2	29°31	22°42	13°36	27°12	3°47	2°44	11°15	7°33	S 26
M27	0 48 6	10° 6'53	13♐31	3°32	6°55	29° 1	0°14	29°28	22°43	13°35	27°13	3°41	2°41	11°22	7°30	M27
T 28	0 52 3	11° 6'27	27°38	2°36	8° 9	29°40	0°27	29°26	22°44	13°34	27°14	3°39	2°38	11°28	7°27	T 28
W29	0 55 59	12° 6'04	11♑45	1°50	9°22	0♎20	0°40	29°23	22°46	13°32	27°14	3°D38	2°35	11°35	7°25	W29
T 30	0 59 56	13♎ 5'42	25♑51	1♎13	10♏36	0♎59	0♏53	29♒20	22♋47	13♓31	27♋15	3♌38	2♌31	11♋42	7♉22	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n 8	20s34	2n58	6s56	2s52	1s 6	0n55	7n59	1n 2	8s45	1n 2	13s 0	2s 1	22n14	0n29	7s23	1s16	25n38	4n50	18n57	19n19	21n 3	13n46	0s38
T 2	5 45	20 52	1 49	7 22	2 59	1 37	0 53	7 44	1 1	8 49	1 2	13 2	2 1	22 13	0 29	7 23	1 16	25 37	4 50	18 57	19 20	21 3	13 45	0 38
F 3	5 22	19 48	0 33	7 47	3 6	2 9	0 51	7 29	1 1	8 53	1 2	13 4	2 1	22 13	0 29	7 24	1 16	25 37	4 50	18 57	19 21	21 4	13 45	0 38
S 4	4 59	17 26	0s45	8 9	3 12	2 40	0 48	7 14	1 1	8 58	1 2	13 5	2 1	22 13	0 29	7 25	1 16	25 37	4 50	18 57	19 22	21 4	13 44	0 38
S 5	4 36	13 59	2 0	8 30	3 18	3 11	0 46	6 58	1 1	9 2	1 2	13 7	2 1	22 12	0 29	7 25	1 16	25 37	4 51	18 57	19 22	21 4	13 43	0 39
M 6	4 13	9 45	3 6	8 48	3 24	3 42	0 44	6 43	1 0	9 6	1 1	13 8	2 1	22 12	0 29	7 26	1 16	25 37	4 51	18 58	19 23	21 5	13 43	0 39
T 7	3 50	5 3	4 0	9 4	3 29	4 13	0 42	6 28	1 0	9 11	1 1	13 10	2 1	22 12	0 29	7 26	1 16	25 37	4 51	19 0	19 24	21 5	13 42	0 39
W 8	3 26	0 11	4 39	9 18	3 33	4 44	0 40	6 12	1 0	9 15	1 1	13 11	2 1	22 11	0 29	7 27	1 16	25 37	4 51	19 2	19 25	21 5	13 41	0 39
T 9	3 3	4n34	5 2	9 29	3 37	5 15	0 37	5 57	1 0	9 20	1 1	13 13	2 1	22 11	0 29	7 28	1 16	25 37	4 51	19 3	19 25	21 6	13 41	0 39
F 10	2 40	8 59	5 8	9 36	3 39	5 46	0 35	5 41	0 59	9 24	1 1	13 14	2 1	22 11	0 29	7 28	1 16	25 37	4 51	19 5	19 26	21 6	13 40	0 39
S 11	2 16	12 53	4 58	9 41	3 41	6 17	0 33	5 26	0 59	9 29	1 1	13 15	2 1	22 10	0 29	7 29	1 16	25 37	4 52	19 7	19 27	21 6	13 39	0 39
S 12	1 53	16 7	4 35	9 42	3 42	6 47	0 30	5 10	0 59	9 33	1 1	13 17	2 1	22 10	0 29	7 30	1 16	25 37	4 52	19 8	19 28	21 7	13 38	0 39
M13	1 29	18 36	3 59	9 39	3 42	7 18	0 28	4 55	0 59	9 38	1 0	13 18	2 0	22 10	0 29	7 30	1 16	25 37	4 52	19 9	19 28	21 7	13 38	0 39
T 14	1 6	20 15	3 14	9 32	3 40	7 48	0 25	4 39	0 58	9 42	1 0	13 19	2 0	22 9	0 29	7 31	1 16	25 37	4 52	19 9	19 29	21 7	13 37	0 40
W15	0 42	20 59	2 21	9 20	3 37	8 18	0 23	4 23	0 58	9 47	1 0	13 21	2 0	22 9	0 29	7 32	1 16	25 37	4 52	19 9	19 30	21 8	13 36	0 40
T 16	0 18	20 46	1 22	9 4	3 32	8 48	0 20	4 8	0 58	9 51	1 0	13 22	2 0	22 9	0 29	7 32	1 16	25 37	4 53	19 9	19 31	21 8	13 35	0 40
F 17	0s 5	19 38	0 18	8 44	3 26	9 18	0 17	3 52	0 57	9 56	1 0	13 23	2 0	22 8	0 29	7 33	1 16	25 37	4 53	19 9	19 31	21 8	13 35	0 40
S 18	0 29	17 36	0n46	8 19	3 17	9 47	0 15	3 36	0 57	10 0	1 0	13 25	2 0	22 8	0 29	7 33	1 16	25 37	4 53	19 9	19 32	21 9	13 34	0 40
S 19	0 52	14 43	1 50	7 49	3 7	10 17	0 12	3 21	0 57	10 5	1 0	13 26	2 0	22 8	0 29	7 34	1 16	25 37	4 53	19 9	19 33	21 9	13 33	0 40
M20	1 16	11 7	2 49	7 15	2 55	10 46	0 9	3 5	0 57	10 9	1 0	13 27	2 0	22 8	0 29	7 35	1 16	25 37	4 53	19 10	19 34	21 9	13 32	0 40
T 21	1 40	6 55	3 41	6 36	2 41	11 15	0 7	2 49	0 56	10 14	1 0	13 28	2 0	22 7	0 29	7 35	1 16	25 37	4 54	19 12	19 34	21 9	13 31	0 40
W22	2 3	2 19	4 23	5 55	2 25	11 43	0 4	2 33	0 56	10 18	0 59	13 29	2 0	22 7	0 29	7 36	1 16	25 37	4 54	19 14	19 35	21 10	13 30	0 40
T 23	2 27	2s31	4 51	5 11	2 8	12 12	0 1	2 17	0 56	10 23	0 59	13 30	2 0	22 7	0 29	7 36	1 16	25 37	4 54	19 17	19 36	21 10	13 29	0 41
F 24	2 51	7 18	5 3	4 25	1 49	12 40	0s 1	2 1	0 55	10 27	0 59	13 31	2 0	22 7	0 29	7 37	1 16	25 37	4 54	19 19	19 36	21 10	13 28	0 41
S 25	3 14	11 46	4 57	3 39	1 30	13 7	0 4	1 45	0 55	10 32	0 59	13 32	2 0	22 6	0 29	7 37	1 16	25 37	4 54	19 22	19 37	21 11	13 27	0 41
S 26	3 38	15 39	4 34	2 53	1 9	13 35	0 7	1 29	0 55	10 37	0 59	13 33	2 0	22 6	0 29	7 38	1 16	25 37	4 54	19 23	19 38	21 11	13 27	0 41
M27	4 1	18 39	3 54	2 9	0 49	14 2	0 10	1 13	0 55	10 41	0 59	13 34	2 0	22 6	0 29	7 39	1 16	25 37	4 55	19 25	19 39	21 11	13 26	0 41
T 28	4 25	20 32	2 59	1 28	0 28	14 29	0 13	0 58	0 54	10 46	0 59	13 35	2 0	22 6	0 29	7 39	1 15	25 37	4 55	19 25	19 39	21 11	13 25	0 41
W29	4 48	21 8	1 54	0 51	0 8	14 55	0 16	0 42	0 54	10 50	0 59	13 36	1 59	22 6	0 29	7 40	1 15	25 37	4 55	19 25	19 40	21 12	13 24	0 41
T 30	5s12	20s23	0n41	0s19	0n11	15s21	0s18	0n26	0n54	10s55	0n59	13s37	1s59	22n 5	0n29	7s40	1s15	25n37	4n55	19n25	19n41	21n12	13n23	0s41

Julian Day Number = 2159235.5, Delta T = 13m22s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'50, Lahiri = 12°41'51 Julian Calendar 1 Sept. 1199 == Greg. Calendar 8 Sept. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

OCTOBER 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 3 52	14♎ 5'21	9♒55	0°R47	11♏50	1♎38	1♏ 6	29°R17	22♋48	13°R29	27♋16	3°R38	2♌28	11♋48	7°R19	F 1
S 2	1 7 49	15° 5'03	23°55	0♎32	13° 4	2°18	1°19	29♒15	22°49	13♓28	27°16	3♌37	2°25	11°55	7♉17	S 2
S 3	1 11 45	16° 4'46	7♓50	0°D28	14°18	2°57	1°32	29°13	22°50	13°27	27°17	3°33	2°22	12° 2	7°14	S 3
M 4	1 15 42	17° 4'31	21°38	0°36	15°31	3°36	1°45	29°10	22°52	13°25	27°17	3°26	2°19	12° 8	7°11	M 4
T 5	1 19 39	18° 4'18	5♈16	0°54	16°45	4°16	1°58	29° 8	22°52	13°24	27°18	3°16	2°16	12°15	7° 8	T 5
W 6	1 23 35	19° 4'07	18°42	1°22	17°59	4°55	2°11	29° 6	22°53	13°23	27°18	3° 4	2°12	12°22	7° 5	W 6
T 7	1 27 32	20° 3'58	1♉52	1°59	19°13	5°35	2°24	29° 4	22°54	13°22	27°19	2°52	2° 9	12°28	7° 2	T 7
F 8	1 31 28	21° 3'50	14°45	2°45	20°26	6°14	2°37	29° 2	22°55	13°20	27°19	2°39	2° 6	12°35	7° 0	F 8
S 9	1 35 25	22° 3'45	27°21	3°39	21°40	6°54	2°50	29° 0	22°56	13°19	27°19	2°27	2° 3	12°42	6°57	S 9
S 10	1 39 21	23° 3'43	9♊40	4°39	22°54	7°33	3° 3	28°58	22°57	13°18	27°20	2°18	2° 0	12°48	6°54	S 10
M11	1 43 18	24° 3'42	21°45	5°46	24° 8	8°13	3°16	28°57	22°57	13°17	27°20	2°12	1°57	12°55	6°51	M11
T 12	1 47 14	25° 3'43	3♋40	6°57	25°21	8°52	3°29	28°55	22°58	13°16	27°20	2° 8	1°53	13° 2	6°48	T 12
W13	1 51 11	26° 3'47	15°29	8°14	26°35	9°32	3°43	28°54	22°59	13°14	27°21	2° 6	1°50	13° 8	6°45	W13
T 14	1 55 7	27° 3'53	27°17	9°34	27°48	10°12	3°56	28°52	22°59	13°13	27°21	2° 6	1°47	13°15	6°42	T 14
F 15	1 59 4	28° 4'01	9♌10	10°57	29° 2	10°51	4° 9	28°51	23° 0	13°12	27°21	2° 6	1°44	13°22	6°39	F 15
S 16	2 3 1	29° 4'11	21°13	12°23	0♐16	11°31	4°22	28°50	23° 0	13°11	27°21	2° 5	1°41	13°28	6°36	S 16
S 17	2 6 57	0♏ 4'23	3♍32	13°51	1°29	12°11	4°35	28°49	23° 0	13°10	27°22	2° 2	1°37	13°35	6°33	S 17
M18	2 10 54	1° 4'37	16°11	15°21	2°43	12°50	4°49	28°48	23° 1	13° 9	27°22	1°57	1°34	13°42	6°30	M18
T 19	2 14 50	2° 4'53	29°13	16°53	3°56	13°30	5° 2	28°47	23° 1	13° 8	27°22	1°48	1°31	13°48	6°27	T 19
W20	2 18 47	3° 5'11	12♎39	18°26	5°10	14°10	5°15	28°46	23° 1	13° 7	27°22	1°37	1°28	13°55	6°24	W20
T 21	2 22 43	4° 5'32	26°28	20° 0	6°23	14°50	5°28	28°45	23° 1	13° 6	27°22	1°25	1°25	14° 1	6°20	T 21
F 22	2 26 40	5° 5'53	10♏36	21°34	7°37	15°30	5°42	28°45	23° 1	13° 6	27°22	1°12	1°22	14° 8	6°17	F 22
S 23	2 30 36	6° 6'17	24°58	23° 9	8°51	16°10	5°55	28°44	23°R 1	13° 5	27°R22	1° 1	1°18	14°15	6°14	S 23
S 24	2 34 33	7° 6'42	9♐27	24°45	10° 4	16°50	6° 8	28°44	23° 1	13° 4	27°22	0°51	1°15	14°21	6°11	S 24
M25	2 38 30	8° 7'09	23°57	26°21	11°17	17°30	6°21	28°44	23° 1	13° 3	27°22	0°44	1°12	14°28	6° 8	M25
T 26	2 42 26	9° 7'38	8♑23	27°57	12°31	18°10	6°35	28°44	23° 1	13° 2	27°22	0°41	1° 9	14°35	6° 5	T 26
W27	2 46 23	10° 8'07	22°40	29°33	13°44	18°50	6°48	28°D44	23° 1	13° 2	27°22	0°39	1° 6	14°41	6° 2	W27
T 28	2 50 19	11° 8'38	6♒47	1♏ 9	14°58	19°30	7° 1	28°44	23° 0	13° 1	27°22	0°39	1° 3	14°48	5°59	T 28
F 29	2 54 16	12° 9'11	20°43	2°46	16°11	20°10	7°14	28°44	23° 0	13° 0	27°21	0°39	0°59	14°55	5°56	F 29
S 30	2 58 12	13° 9'44	4♓28	4°22	17°24	20°50	7°28	28°44	23° 0	13° 0	27°21	0°37	0°56	15° 1	5°53	S 30
S 31	3 2 9	14♏10'19	18♓ 3	5♏58	18♐38	21♎30	7♏41	28♒45	22♋59	12♓59	27♋21	0♌33	0♌53	15♋ 8	5♉50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s35	18s23	0s33	0n 8	0n29	15s47	0s21	0n10	0n53	10s59	0n59	13s38	1s59	22n 5	0n29	7s41	1s15	25n37	4n55	19n25	19n42	21n12	13n22	0s41	F 1
S 2	5 58	15 16	1 45	0 29	0 45	16 13	0 24	0s 6	0 53	11 4	0 58	13 39	1 59	22 5	0 29	7 41	1 15	25 37	4 56	19 26	19 42	21 12	13 21	0 42	S 2
S 3	6 21	11 18	2 51	0 44	1 1	16 37	0 27	0 22	0 53	11 9	0 58	13 39	1 59	22 5	0 30	7 42	1 15	25 38	4 56	19 27	19 43	21 13	13 20	0 42	S 3
M 4	6 44	6 47	3 45	0 54	1 14	17 2	0 30	0 38	0 52	11 13	0 58	13 40	1 59	22 5	0 30	7 42	1 15	25 38	4 56	19 28	19 44	21 13	13 19	0 42	M 4
T 5	7 7	1 58	4 26	0 58	1 26	17 26	0 33	0 54	0 52	11 18	0 58	13 41	1 59	22 5	0 30	7 43	1 15	25 38	4 56	19 31	19 44	21 13	13 18	0 42	T 5
W 6	7 30	2n52	4 52	0 56	1 36	17 50	0 35	1 10	0 52	11 22	0 58	13 41	1 59	22 5	0 30	7 43	1 15	25 38	4 56	19 33	19 45	21 13	13 17	0 42	W 6
T 7	7 53	7 28	5 1	0 49	1 45	18 13	0 38	1 26	0 51	11 27	0 58	13 42	1 59	22 5	0 30	7 44	1 15	25 38	4 57	19 36	19 46	21 13	13 16	0 42	T 7
F 8	8 15	11 39	4 54	0 37	1 52	18 36	0 41	1 42	0 51	11 32	0 58	13 43	1 59	22 4	0 30	7 44	1 15	25 38	4 57	19 39	19 47	21 14	13 15	0 42	F 8
S 9	8 38	15 13	4 33	0 21	1 58	18 58	0 44	1 58	0 51	11 36	0 58	13 43	1 58	22 4	0 30	7 45	1 15	25 38	4 57	19 42	19 47	21 14	13 14	0 42	S 9
S 10	9 0	18 2	4 0	0 1	2 2	19 20	0 47	2 14	0 50	11 41	0 58	13 44	1 58	22 4	0 30	7 45	1 15	25 38	4 57	19 44	19 48	21 14	13 12	0 42	S 10
M11	9 22	20 1	3 16	0s23	2 6	19 41	0 50	2 30	0 50	11 45	0 58	13 44	1 58	22 4	0 30	7 45	1 15	25 38	4 57	19 45	19 49	21 14	13 11	0 42	M11
T 12	9 44	21 5	2 25	0 49	2 8	20 2	0 52	2 46	0 50	11 50	0 58	13 45	1 58	22 4	0 30	7 46	1 15	25 39	4 58	19 46	19 49	21 14	13 10	0 43	T 12
W13	10 6	21 12	1 27	1 19	2 8	20 22	0 55	3 2	0 49	11 54	0 58	13 45	1 58	22 4	0 30	7 46	1 15	25 39	4 58	19 47	19 50	21 15	13 9	0 43	W13
T 14	10 28	20 23	0 26	1 50	2 8	20 42	0 58	3 18	0 49	11 59	0 58	13 45	1 58	22 4	0 30	7 47	1 15	25 39	4 58	19 47	19 51	21 15	13 8	0 43	T 14
F 15	10 50	18 38	0n37	2 24	2 8	21 1	1 1	3 34	0 48	12 3	0 57	13 46	1 58	22 4	0 30	7 47	1 15	25 39	4 58	19 47	19 52	21 15	13 7	0 43	F 15
S 16	11 11	16 3	1 39	2 59	2 6	21 19	1 3	3 50	0 48	12 8	0 57	13 46	1 58	22 4	0 30	7 47	1 15	25 39	4 59	19 47	19 52	21 15	13 6	0 43	S 16
S 17	11 33	12 42	2 38	3 35	2 4	21 37	1 6	4 6	0 48	12 12	0 57	13 46	1 57	22 4	0 30	7 48	1 15	25 39	4 59	19 47	19 53	21 15	13 5	0 43	S 17
M18	11 54	8 42	3 31	4 13	2 1	21 55	1 9	4 22	0 47	12 17	0 57	13 46	1 57	22 4	0 30	7 48	1 15	25 40	4 59	19 49	19 54	21 16	13 4	0 43	M18
T 19	12 15	4 11	4 14	4 52	1 57	22 12	1 11	4 38	0 47	12 21	0 57	13 47	1 57	22 4	0 30	7 49	1 15	25 40	4 59	19 51	19 54	21 16	13 3	0 43	T 19
W20	12 36	0s39	4 44	5 31	1 53	22 28	1 14	4 54	0 47	12 26	0 57	13 47	1 57	22 4	0 30	7 49	1 15	25 40	4 59	19 53	19 55	21 16	13 2	0 43	W20
T 21	12 56	5 36	4 59	6 11	1 48	22 43	1 16	5 10	0 46	12 30	0 57	13 47	1 57	22 4	0 30	7 49	1 15	25 40	5 0	19 56	19 56	21 16	13 1	0 43	T 21
F 22	13 17	10 22	4 56	6 51	1 44	22 58	1 19	5 25	0 46	12 35	0 57	13 47	1 57	22 4	0 30	7 49	1 15	25 40	5 0	19 59	19 57	21 16	12 59	0 43	F 22
S 23	13 37	14 38	4 35	7 31	1 38	23 12	1 21	5 41	0 45	12 39	0 57	13 47	1 57	22 4	0 30	7 50	1 15	25 40	5 0	20 1	19 57	21 16	12 58	0 44	S 23
S 24	13 57	18 5	3 56	8 11	1 33	23 26	1 24	5 57	0 45	12 44	0 57	13 47	1 56	22 4	0 30	7 50	1 15	25 41	5 0	20 3	19 58	21 16	12 57	0 44	S 24
M25	14 16	20 23	3 1	8 51	1 27	23 39	1 26	6 13	0 45	12 48	0 57	13 47	1 56	22 4	0 30	7 50	1 15	25 41	5 0	20 5	19 59	21 17	12 56	0 44	M25
T 26	14 36	21 22	1 55	9 32	1 21	23 51	1 28	6 28	0 44	12 52	0 57	13 47	1 56	22 4	0 30	7 51	1 15	25 41	5 1	20 5	19 59	21 17	12 55	0 44	T 26
W27	14 55	20 56	0 42	10 12	1 15	24 3	1 31	6 44	0 44	12 57	0 57	13 47	1 56	22 4	0 30	7 51	1 15	25 41	5 1	20 6	20 0	21 17	12 54	0 44	W27
T 28	15 14	19 11	0s32	10 51	1 9	24 14	1 33	6 59	0 43	13 1	0 57	13 46	1 56	22 4	0 30	7 51	1 15	25 42	5 1	20 6	20 1	21 17	12 53	0 44	T 28
F 29	15 33	16 18	1 44	11 30	1 2	24 24	1 35	7 15	0 43	13 6	0 57	13 46	1 56	22 4	0 30	7 51	1 15	25 42	5 1	20 6	20 1	21 17	12 52	0 44	F 29
S 30	15 51	12 32	2 49	12 9	0 56	24 33	1 37	7 31	0 43	13 10	0 57	13 46	1 56	22 4	0 30	7 52	1 15	25 42	5 1	20 6	20 2	21 17	12 51	0 44	S 30
S 31	16s10	8s10	3s43	12s48	0n49	24s42	1s39	7s46	0n42	13s14	0n57	13s46	1s56	22n 4	0n31	7s52	1s15	25n42	5n 2	20n 7	20n 3	21n17	12n50	0s44	S 31

Julian Day Number = 2159265.5, Delta T = 13m22s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'54, Lahiri = 12°41'55 Julian Calendar 1 Oct. 1199 == Greg. Calendar 8 Oct. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

NOVEMBER 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 6 5	15♏10'55	1♈28	7♏34	19♐51	22♎10	7♏54	28♒45	22°R59	12°R58	27°R21	0°R27	0♌50	15♋15	5°R47	M 1
T 2	3 10 2	16°11'32	14°41	9°10	21° 4	22°50	8° 7	28°46	22♋58	12♓58	27♋20	0♌17	0°47	15°21	5♉44	T 2
W 3	3 13 59	17°12'10	27°44	10°45	22°17	23°30	8°20	28°47	22°58	12°57	27°20	0° 5	0°43	15°28	5°41	W 3
T 4	3 17 55	18°12'50	10♉34	12°21	23°30	24°11	8°34	28°48	22°57	12°57	27°20	29♋52	0°40	15°35	5°38	T 4
F 5	3 21 52	19°13'32	23°11	13°56	24°44	24°51	8°47	28°49	22°56	12°56	27°19	29°39	0°37	15°41	5°35	F 5
S 6	3 25 48	20°14'14	5♊35	15°32	25°57	25°31	9° 0	28°50	22°56	12°56	27°19	29°28	0°34	15°48	5°32	S 6
S 7	3 29 45	21°14'59	17°47	17° 7	27°10	26°11	9°13	28°51	22°55	12°56	27°19	29°18	0°31	15°55	5°29	S 7
M 8	3 33 41	22°15'44	29°47	18°42	28°23	26°52	9°26	28°52	22°54	12°55	27°18	29°11	0°28	16° 1	5°26	M 8
T 9	3 37 38	23°16'32	11♋39	20°16	29°36	27°32	9°39	28°53	22°53	12°55	27°18	29° 7	0°24	16° 8	5°23	T 9
W10	3 41 34	24°17'20	23°26	21°51	0♌49	28°12	9°52	28°55	22°52	12°55	27°17	29° 5	0°21	16°14	5°20	W10
T 11	3 45 31	25°18'10	5♌13	23°26	2° 2	28°53	10° 6	28°56	22°51	12°54	27°17	29°D 5	0°18	16°21	5°18	T 11
F 12	3 49 28	26°19'02	17° 4	25° 0	3°15	29°33	10°19	28°58	22°50	12°54	27°16	29° 6	0°15	16°28	5°15	F 12
S 13	3 53 24	27°19'55	29° 6	26°35	4°27	0♏14	10°32	29° 0	22°49	12°54	27°16	29°R 6	0°12	16°34	5°12	S 13
S 14	3 57 21	28°20'49	11♍22	28° 9	5°40	0°54	10°45	29° 2	22°48	12°54	27°15	29° 5	0° 8	16°41	5° 9	S 14
M15	4 1 17	29°21'45	24° 0	29°43	6°53	1°35	10°57	29° 4	22°47	12°54	27°15	29° 2	0° 5	16°48	5° 6	M15
T 16	4 5 14	0♐22'42	7♎ 2	1♐17	8° 6	2°15	11°10	29° 6	22°45	12°54	27°14	28°57	0° 2	16°54	5° 4	T 16
W17	4 9 10	1°23'40	20°31	2°52	9°18	2°56	11°23	29° 8	22°44	12°54	27°13	28°50	29♋59	17° 1	5° 1	W17
T 18	4 13 7	2°24'40	4♏28	4°26	10°31	3°37	11°36	29°10	22°43	12°D54	27°13	28°40	29°56	17° 8	4°58	T 18
F 19	4 17 3	3°25'41	18°50	6° 0	11°44	4°17	11°49	29°13	22°41	12°54	27°12	28°31	29°53	17°14	4°56	F 19
S 20	4 21 0	4°26'43	3♐31	7°34	12°56	4°58	12° 2	29°15	22°40	12°54	27°11	28°22	29°49	17°21	4°53	S 20
S 21	4 24 57	5°27'46	18°24	9° 9	14° 9	5°39	12°15	29°18	22°38	12°54	27°10	28°15	29°46	17°28	4°51	S 21
M22	4 28 53	6°28'49	3♌20	10°43	15°21	6°19	12°27	29°21	22°37	12°54	27°10	28°10	29°43	17°34	4°48	M22
T 23	4 32 50	7°29'54	18°11	12°18	16°34	7° 0	12°40	29°23	22°35	12°54	27° 9	28° 8	29°40	17°41	4°46	T 23
W24	4 36 46	8°30'59	2♒50	13°52	17°46	7°41	12°53	29°26	22°34	12°54	27° 8	28°D 7	29°37	17°48	4°43	W24
T 25	4 40 43	9°32'04	17°12	15°27	18°58	8°22	13° 5	29°29	22°32	12°54	27° 7	28° 8	29°34	17°54	4°41	T 25
F 26	4 44 39	10°33'10	1♓15	17° 1	20°10	9° 3	13°18	29°32	22°30	12°55	27° 6	28° 9	29°30	18° 1	4°39	F 26
S 27	4 48 36	11°34'16	15° 0	18°36	21°22	9°44	13°30	29°36	22°28	12°55	27° 6	28°R10	29°27	18° 8	4°36	S 27
S 28	4 52 32	12°35'22	28°27	20°11	22°35	10°25	13°43	29°39	22°27	12°55	27° 5	28° 8	29°24	18°14	4°34	S 28
M29	4 56 29	13°36'29	11♈37	21°46	23°47	11° 5	13°55	29°42	22°25	12°56	27° 4	28° 5	29°21	18°21	4°32	M29
T 30	5 0 26	14♐37'36	24♈32	23♐21	24♌58	11♏46	14♏ 7	29♒46	22♋23	12♓56	27♋ 3	27♋59	29♋18	18♋27	4♉30	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s28	3s27	4s24	13s26	0n42	24s50	1s41	8s 1	0n42	13s19	0n57	13s45	1s55	22n 5	0n31	7s52	1s15	25n43	5n 2	20n 9	20n 4	21n17	12n49	0s44
T 2	16 45	1n21	4 50	14 3	0 36	24 58	1 43	8 17	0 41	13 23	0 57	13 45	1 55	22 5	0 31	7 52	1 15	25 43	5 2	20 11	20 4	21 17	12 47	0 44
W 3	17 3	6 1	5 1	14 39	0 29	25 4	1 45	8 32	0 41	13 27	0 57	13 45	1 55	22 5	0 31	7 52	1 15	25 43	5 2	20 13	20 5	21 18	12 46	0 44
T 4	17 20	10 22	4 56	15 16	0 22	25 10	1 47	8 47	0 40	13 31	0 57	13 44	1 55	22 5	0 31	7 52	1 15	25 43	5 2	20 16	20 6	21 18	12 45	0 45
F 5	17 36	14 11	4 37	15 51	0 15	25 15	1 49	9 3	0 40	13 36	0 57	13 44	1 55	22 5	0 31	7 53	1 15	25 44	5 3	20 19	20 6	21 18	12 44	0 45
S 6	17 53	17 19	4 4	16 25	0 9	25 19	1 51	9 18	0 39	13 40	0 57	13 43	1 55	22 5	0 31	7 53	1 15	25 44	5 3	20 21	20 7	21 18	12 43	0 45
S 7	18 9	19 38	3 21	16 59	0 2	25 23	1 52	9 33	0 39	13 44	0 56	13 43	1 55	22 5	0 31	7 53	1 15	25 44	5 3	20 23	20 8	21 18	12 42	0 45
M 8	18 25	21 3	2 30	17 32	0s 5	25 26	1 54	9 48	0 39	13 48	0 56	13 42	1 54	22 6	0 31	7 53	1 15	25 44	5 3	20 24	20 8	21 18	12 41	0 45
T 9	18 40	21 30	1 32	18 5	0 12	25 28	1 56	10 3	0 38	13 53	0 56	13 42	1 54	22 6	0 31	7 53	1 14	25 45	5 3	20 25	20 9	21 18	12 40	0 45
W10	18 55	21 0	0 30	18 36	0 18	25 29	1 57	10 18	0 38	13 57	0 56	13 41	1 54	22 6	0 31	7 53	1 14	25 45	5 4	20 26	20 10	21 18	12 39	0 45
T 11	19 10	19 34	0n33	19 7	0 25	25 30	1 58	10 33	0 37	14 1	0 56	13 40	1 54	22 6	0 31	7 53	1 14	25 45	5 4	20 26	20 10	21 18	12 38	0 45
F 12	19 25	17 17	1 35	19 36	0 31	25 30	2 0	10 47	0 37	14 5	0 56	13 39	1 54	22 6	0 31	7 53	1 14	25 46	5 4	20 26	20 11	21 18	12 37	0 45
S 13	19 39	14 14	2 33	20 5	0 38	25 29	2 1	11 2	0 36	14 9	0 56	13 39	1 54	22 7	0 31	7 53	1 14	25 46	5 4	20 25	20 12	21 18	12 36	0 45
S 14	19 53	10 30	3 26	20 33	0 44	25 27	2 2	11 17	0 36	14 13	0 56	13 38	1 53	22 7	0 31	7 53	1 14	25 46	5 4	20 26	20 12	21 18	12 35	0 45
M15	20 6	6 14	4 11	20 59	0 50	25 25	2 3	11 31	0 35	14 17	0 56	13 37	1 53	22 7	0 31	7 53	1 14	25 46	5 5	20 26	20 13	21 18	12 34	0 45
T 16	20 19	1 33	4 44	21 25	0 56	25 21	2 4	11 46	0 35	14 21	0 56	13 36	1 53	22 7	0 31	7 53	1 14	25 47	5 5	20 27	20 14	21 18	12 33	0 45
W17	20 32	3s23	5 2	21 50	1 2	25 18	2 5	12 0	0 34	14 25	0 56	13 35	1 53	22 8	0 31	7 53	1 14	25 47	5 5	20 29	20 14	21 18	12 32	0 45
T 18	20 44	8 17	5 4	22 13	1 7	25 13	2 6	12 15	0 34	14 29	0 56	13 34	1 53	22 8	0 31	7 53	1 14	25 47	5 5	20 31	20 15	21 18	12 31	0 46
F 19	20 56	12 54	4 47	22 36	1 13	25 7	2 7	12 29	0 33	14 33	0 56	13 33	1 53	22 8	0 31	7 53	1 14	25 48	5 5	20 33	20 16	21 18	12 30	0 46
S 20	21 7	16 51	4 11	22 57	1 18	25 1	2 7	12 43	0 33	14 37	0 56	13 32	1 53	22 8	0 31	7 53	1 14	25 48	5 6	20 35	20 16	21 18	12 29	0 46
S 21	21 18	19 46	3 17	23 18	1 24	24 54	2 8	12 57	0 32	14 41	0 56	13 31	1 53	22 9	0 31	7 53	1 14	25 48	5 6	20 36	20 17	21 18	12 28	0 46
M22	21 29	21 21	2 9	23 37	1 29	24 47	2 8	13 11	0 32	14 45	0 56	13 30	1 52	22 9	0 31	7 53	1 14	25 49	5 6	20 37	20 18	21 18	12 28	0 46
T 23	21 39	21 25	0 53	23 54	1 33	24 38	2 9	13 25	0 31	14 49	0 56	13 29	1 52	22 9	0 31	7 53	1 14	25 49	5 6	20 38	20 18	21 18	12 27	0 46
W24	21 49	20 1	0s25	24 11	1 38	24 29	2 9	13 39	0 31	14 52	0 56	13 28	1 52	22 10	0 31	7 53	1 14	25 49	5 6	20 38	20 19	21 18	12 26	0 46
T 25	21 59	17 21	1 41	24 26	1 42	24 19	2 9	13 53	0 30	14 56	0 56	13 27	1 52	22 10	0 31	7 53	1 14	25 50	5 6	20 37	20 20	21 18	12 25	0 46
F 26	22 8	13 42	2 49	24 40	1 47	24 9	2 9	14 6	0 30	15 0	0 56	13 26	1 52	22 10	0 31	7 53	1 14	25 50	5 7	20 37	20 20	21 18	12 24	0 46
S 27	22 16	9 24	3 46	24 53	1 50	23 58	2 9	14 20	0 29	15 4	0 56	13 24	1 52	22 10	0 31	7 52	1 14	25 50	5 7	20 37	20 21	21 18	12 23	0 46
S 28	22 24	4 44	4 29	25 4	1 54	23 46	2 9	14 33	0 29	15 7	0 56	13 23	1 52	22 11	0 31	7 52	1 14	25 51	5 7	20 37	20 22	21 18	12 22	0 46
M29	22 32	0n 4	4 57	25 14	1 57	23 33	2 9	14 46	0 28	15 11	0 56	13 22	1 51	22 11	0 31	7 52	1 14	25 51	5 7	20 38	20 22	21 18	12 22	0 46
T 30	22s39	4n46	5s 9	25s23	2s 0	23s20	2s 9	15s 0	0n28	15s15	0n56	13s20	1s51	22n11	0n31	7s52	1s14	25n52	5n 7	20n39	20n23	21n18	12n21	0s46

Julian Day Number = 2159296.5, Delta T = 13m22s
Ecliptic obliquity = 23°32'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°34'59, Lahiri = 12°41'59 Julian Calendar 1 Nov. 1199 == Greg. Calendar 8 Nov. 1199

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ASTRODIENST EPHEMERIS for the year 1199
geocentric

DECEMBER 1199 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 4 22	15♐38'43	7♉15	24♐56	26♏10	12♏27	14♏20	29♒49	22°R21	12♓57	27°R 2	27°R52	29♋14	18♋34	4°R27	W 1
T 2	5 8 19	16°39'51	19°45	26°31	27°22	13° 8	14°32	29°53	22♋19	12°57	27♋ 1	27♋45	29°11	18°41	4♉25	T 2
F 3	5 12 15	17°40'59	2♊ 5	28° 6	28°34	13°49	14°44	29°57	22°17	12°58	27° 0	27°37	29° 8	18°47	4°23	F 3
S 4	5 16 12	18°42'08	14°15	29°41	29°45	14°31	14°56	0♓ 0	22°15	12°58	26°59	27°30	29° 5	18°54	4°21	S 4
S 5	5 20 8	19°43'17	26°17	1♏16	0♒57	15°12	15° 8	0° 4	22°13	12°59	26°58	27°24	29° 2	19° 1	4°19	S 5
M 6	5 24 5	20°44'26	8♋11	2°51	2° 8	15°53	15°20	0° 8	22°11	12°59	26°57	27°20	28°59	19° 7	4°18	M 6
T 7	5 28 2	21°45'36	20° 0	4°26	3°20	16°34	15°32	0°12	22° 9	13° 0	26°56	27°18	28°55	19°14	4°16	T 7
W 8	5 31 58	22°46'46	1♌47	6° 1	4°31	17°15	15°44	0°17	22° 7	13° 1	26°55	27°D18	28°52	19°21	4°14	W 8
T 9	5 35 55	23°47'57	13°34	7°35	5°42	17°56	15°56	0°21	22° 5	13° 1	26°54	27°19	28°49	19°27	4°12	T 9
F 10	5 39 51	24°49'08	25°26	9° 9	6°53	18°38	16° 8	0°25	22° 2	13° 2	26°52	27°21	28°46	19°34	4°11	F 10
S 11	5 43 48	25°50'19	7♍26	10°43	8° 4	19°19	16°20	0°30	22° 0	13° 3	26°51	27°23	28°43	19°41	4° 9	S 11
S 12	5 47 44	26°51'31	19°40	12°16	9°15	20° 0	16°31	0°34	21°58	13° 4	26°50	27°24	28°40	19°47	4° 7	S 12
M13	5 51 41	27°52'43	2♎13	13°48	10°26	20°42	16°43	0°39	21°55	13° 5	26°49	27°R24	28°36	19°54	4° 6	M13
T 14	5 55 37	28°53'55	15° 9	15°18	11°36	21°23	16°54	0°43	21°53	13° 6	26°48	27°23	28°33	20° 1	4° 4	T 14
W15	5 59 34	29°55'07	28°31	16°48	12°47	22° 4	17° 6	0°48	21°51	13° 6	26°47	27°20	28°30	20° 7	4° 3	W15
T 16	6 3 31	0♏56'20	12♏22	18°16	13°57	22°46	17°17	0°53	21°48	13° 7	26°45	27°17	28°27	20°14	4° 2	T 16
F 17	6 7 27	1°57'33	26°41	19°41	15° 8	23°27	17°28	0°58	21°46	13° 8	26°44	27°13	28°24	20°20	4° 0	F 17
S 18	6 11 24	2°58'47	11♐25	21° 5	16°18	24° 9	17°39	1° 3	21°44	13° 9	26°43	27°10	28°20	20°27	3°59	S 18
S 19	6 15 20	4° 0'00	26°27	22°26	17°28	24°50	17°51	1° 8	21°41	13°10	26°42	27° 7	28°17	20°34	3°58	S 19
M20	6 19 17	5° 1'13	11♏38	23°43	18°38	25°32	18° 2	1°13	21°39	13°11	26°40	27° 5	28°14	20°40	3°57	M20
T 21	6 23 13	6° 2'26	26°48	24°56	19°47	26°13	18°13	1°18	21°36	13°13	26°39	27°D 4	28°11	20°47	3°56	T 21
W22	6 27 10	7° 3'39	11♒49	26° 5	20°57	26°55	18°23	1°24	21°34	13°14	26°38	27° 5	28° 8	20°54	3°55	W22
T 23	6 31 6	8° 4'50	26°32	27° 8	22° 7	27°37	18°34	1°29	21°31	13°15	26°37	27° 6	28° 5	21° 0	3°54	T 23
F 24	6 35 3	9° 6'02	10♓53	28° 5	23°16	28°18	18°45	1°34	21°29	13°16	26°35	27° 7	28° 1	21° 7	3°53	F 24
S 25	6 39 0	10° 7'12	24°49	28°56	24°25	29° 0	18°55	1°40	21°26	13°17	26°34	27° 8	27°58	21°14	3°52	S 25
S 26	6 42 56	11° 8'22	8♈20	29°38	25°34	29°42	19° 6	1°45	21°24	13°19	26°33	27°R 9	27°55	21°20	3°51	S 26
M27	6 46 53	12° 9'31	21°29	0♒11	26°43	0♐24	19°16	1°51	21°21	13°20	26°31	27° 9	27°52	21°27	3°51	M27
T 28	6 50 49	13°10'39	4♉18	0°35	27°52	1° 5	19°27	1°57	21°18	13°21	26°30	27° 8	27°49	21°34	3°50	T 28
W29	6 54 46	14°11'47	16°49	0°49	29° 0	1°47	19°37	2° 2	21°16	13°23	26°29	27° 6	27°46	21°40	3°50	W29
T 30	6 58 42	15°12'54	29° 6	0°R51	0♓ 9	2°29	19°47	2° 8	21°13	13°24	26°27	27° 4	27°42	21°47	3°49	T 30
F 31	7 2 39	16♏14'00	11♊13	0♒42	1♓17	3♐11	19♏57	2♓14	21♋11	13♓25	26♋26	27♋ 3	27♋39	21♋54	3♉49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s46	9n11	5s 5	25s30	2s 3	23s 6	2s 8	15s13	0n27	15s18	0n56	13s19	1s51	22n12	0n31	7s52	1s14	25n52	5n 7	20n41	20n24	21n18	12n20	0s46
T 2	22 52	13 9	4 47	25 35	2 6	22 52	2 8	15 26	0 27	15 22	0 56	13 18	1 51	22 12	0 31	7 52	1 14	25 52	5 8	20 42	20 24	21 18	12 19	0 46
F 3	22 58	16 29	4 16	25 39	2 8	22 37	2 7	15 39	0 26	15 26	0 57	13 16	1 51	22 12	0 32	7 51	1 14	25 53	5 8	20 44	20 25	21 18	12 19	0 46
S 4	23 4	19 5	3 33	25 42	2 9	22 21	2 6	15 51	0 25	15 29	0 57	13 15	1 51	22 13	0 32	7 51	1 14	25 53	5 8	20 45	20 26	21 18	12 18	0 46
S 5	23 9	20 48	2 41	25 43	2 10	22 5	2 6	16 4	0 25	15 33	0 57	13 13	1 51	22 13	0 32	7 51	1 14	25 53	5 8	20 46	20 26	21 18	12 17	0 46
M 6	23 13	21 35	1 43	25 42	2 11	21 48	2 5	16 17	0 24	15 36	0 57	13 12	1 51	22 14	0 32	7 51	1 14	25 54	5 8	20 47	20 27	21 18	12 17	0 47
T 7	23 17	21 23	0 40	25 40	2 12	21 30	2 4	16 29	0 24	15 40	0 57	13 10	1 50	22 14	0 32	7 50	1 14	25 54	5 8	20 47	20 28	21 18	12 16	0 47
W 8	23 21	20 15	0n25	25 36	2 11	21 12	2 3	16 41	0 23	15 43	0 57	13 8	1 50	22 14	0 32	7 50	1 14	25 54	5 9	20 47	20 28	21 18	12 15	0 47
T 9	23 24	18 14	1 28	25 30	2 11	20 53	2 1	16 53	0 23	15 46	0 57	13 7	1 50	22 15	0 32	7 50	1 13	25 55	5 9	20 47	20 29	21 18	12 15	0 47
F 10	23 26	15 25	2 28	25 23	2 10	20 34	2 0	17 5	0 22	15 50	0 57	13 5	1 50	22 15	0 32	7 49	1 13	25 55	5 9	20 47	20 30	21 18	12 14	0 47
S 11	23 29	11 57	3 23	25 14	2 8	20 14	1 59	17 17	0 21	15 53	0 57	13 3	1 50	22 15	0 32	7 49	1 13	25 56	5 9	20 46	20 30	21 17	12 13	0 47
S 12	23 30	7 55	4 9	25 3	2 6	19 54	1 57	17 29	0 21	15 56	0 57	13 2	1 50	22 16	0 32	7 49	1 13	25 56	5 9	20 46	20 31	21 17	12 13	0 47
M13	23 31	3 28	4 45	24 51	2 3	19 33	1 55	17 41	0 20	16 0	0 57	13 0	1 50	22 16	0 32	7 48	1 13	25 56	5 9	20 46	20 32	21 17	12 12	0 47
T 14	23 32	1s16	5 7	24 38	1 59	19 12	1 54	17 52	0 20	16 3	0 57	12 58	1 50	22 17	0 32	7 48	1 13	25 57	5 9	20 46	20 32	21 17	12 12	0 47
W15	23 32	6 6	5 14	24 22	1 55	18 50	1 52	18 4	0 19	16 6	0 57	12 56	1 50	22 17	0 32	7 48	1 13	25 57	5 10	20 47	20 33	21 17	12 11	0 47
T 16	23 32	10 48	5 4	24 6	1 49	18 28	1 50	18 15	0 18	16 9	0 57	12 55	1 49	22 17	0 32	7 47	1 13	25 57	5 10	20 48	20 34	21 17	12 11	0 47
F 17	23 32	15 3	4 34	23 48	1 43	18 5	1 48	18 26	0 18	16 12	0 57	12 53	1 49	22 18	0 32	7 47	1 13	25 58	5 10	20 48	20 34	21 17	12 10	0 47
S 18	23 30	18 31	3 46	23 28	1 37	17 42	1 45	18 37	0 17	16 16	0 57	12 51	1 49	22 18	0 32	7 46	1 13	25 58	5 10	20 49	20 35	21 17	12 10	0 47
S 19	23 29	20 49	2 41	23 8	1 29	17 18	1 43	18 48	0 16	16 19	0 57	12 49	1 49	22 19	0 32	7 46	1 13	25 59	5 10	20 50	20 36	21 16	12 9	0 47
M20	23 27	21 38	1 24	22 46	1 20	16 54	1 41	18 58	0 16	16 22	0 57	12 47	1 49	22 19	0 32	7 45	1 13	25 59	5 10	20 50	20 36	21 16	12 9	0 47
T 21	23 24	20 52	0 1	22 23	1 10	16 29	1 38	19 9	0 15	16 25	0 57	12 45	1 49	22 19	0 32	7 45	1 13	25 59	5 10	20 50	20 37	21 16	12 9	0 47
W22	23 21	18 37	1s21	22 0	1 0	16 5	1 35	19 19	0 15	16 28	0 57	12 43	1 49	22 20	0 32	7 45	1 13	26 0	5 10	20 50	20 37	21 16	12 8	0 47
T 23	23 18	15 10	2 36	21 36	0 48	15 39	1 33	19 29	0 14	16 30	0 57	12 41	1 49	22 20	0 32	7 44	1 13	26 0	5 11	20 50	20 38	21 16	12 8	0 47
F 24	23 14	10 54	3 39	21 12	0 35	15 14	1 30	19 39	0 13	16 33	0 57	12 39	1 49	22 21	0 32	7 44	1 13	26 0	5 11	20 49	20 39	21 16	12 7	0 47
S 25	23 9	6 10	4 28	20 48	0 21	14 48	1 27	19 49	0 13	16 36	0 57	12 37	1 49	22 21	0 32	7 43	1 13	26 1	5 11	20 49	20 39	21 16	12 7	0 47
S 26	23 4	1 16	5 0	20 25	0 6	14 22	1 23	19 59	0 12	16 39	0 57	12 35	1 48	22 22	0 32	7 43	1 13	26 1	5 11	20 49	20 40	21 15	12 7	0 47
M27	22 59	3n32	5 15	20 2	0n10	13 55	1 20	20 8	0 11	16 42	0 58	12 33	1 48	22 22	0 32	7 42	1 13	26 1	5 11	20 49	20 41	21 15	12 7	0 47
T 28	22 53	8 4	5 14	19 41	0 27	13 28	1 17	20 18	0 11	16 45	0 58	12 31	1 48	22 22	0 32	7 41	1 13	26 2	5 11	20 49	20 41	21 15	12 6	0 47
W29	22 47	12 10	4 58	19 21	0 44	13 1	1 13	20 27	0 10	16 47	0 58	12 28	1 48	22 23	0 32	7 41	1 13	26 2	5 11	20 50	20 42	21 15	12 6	0 48
T 30	22 40	15 40	4 29	19 2	1 2	12 33	1 10	20 36	0 9	16 50	0 58	12 26	1 48	22 23	0 32	7 40	1 13	26 3	5 11	20 50	20 43	21 15	12 6	0 48
F 31	22s33	18n27	3s48	18s46	1n21	12s 6	1s 6	20s45	0n 8	16s53	0n58	12s24	1s48	22n24	0n32	7s40	1s13	26n 3	5n11	20n50	20n43	21n15	12n 6	0s48

Julian Day Number = 2159326.5, Delta T = 13m22s
Ecliptic obliquity = 23°32'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 13°35'03, Lahiri = 12°42'03 Julian Calendar 1 Dec. 1199 == Greg. Calendar 8 Dec. 1199

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